

1,4-Dioxane (CASRN: 123-91-1) Bibliography: Supplemental File for the TSCA Scope Document

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This document provides the bibliographic citations that were identified and screened from the initial literature search and the initial categorization of whether citations are *on topic* or *off topic*. *On topic* references are those that may contain data and/or information relevant to the risk evaluation. *Off topic* references are those that do not appear to contain data or information relevant to the risk evaluation.

Because systematic review is an iterative process, EPA/OPPT expects that some references may move from the *on topic* to the *off topic* category and vice versa. Additional *on topic* references not initially identified in the initial search may also be identified as the systematic review process proceeds. Moreover, targeted supplemental searches may be conducted to address specific needs for the analysis phase (e.g., to locate specific data needed for modeling).

Some of the references supporting the “Scope of the Risk Evaluation for 1,4-Dioxane” may not be reflected in the “OPPT Risk Assessment, Problem Formulation or Scope Document” section of this bibliography document. Thus, please refer to the bibliography included in the final scope document for the full list of references.

PEER REVIEWED LITERATURE SEARCH RESULTS

The peer reviewed literature search results include studies on the [HERO project page for 1,4-dioxane](#) that were considered for the 2013 IRIS Toxicological Review of 1,4-dioxane and results from the comprehensive searches of bibliographic databases. The combined results were reviewed and determined to either be *on topic* or *off topic* with respect to the data needs of the five topic areas presented below. The full literature search strategy is presented in the *Strategy for Conducting Literature Searches for 1,4-Dioxane: Supplemental File for the TSCA Scope Document*.

Citations are presented in the format returned from database searches. In some instances citations may be incomplete (e.g., publication year or journal information may be missing). Efforts to complete citation information are underway. Because each reference was considered for each topic area during screening, a citation may be listed as *on topic* or *off topic* in more than one topic area.

Fate Literature Search Results

On Topic

- Abe, A. (1999). Distribution of 1,4-dioxane in relation to possible sources in the water environment. *Sci Total Environ.* 227: 41-47.
- Adamson, DT; Anderson, RH; Mahendra, S; Newell, CJ. (2015). Evidence of 1,4-dioxane attenuation at groundwater sites contaminated with chlorinated solvents and 1,4-dioxane. *Environ Sci Technol.* 49: 6510-6518. <http://dx.doi.org/10.1021/acs.est.5b00964>.
- Adamson, DT; de Blanc, PC; Farhat, SK; Newell, CJ. (2016). Implications of matrix diffusion on 1,4-dioxane persistence at contaminated groundwater sites. *Sci Total Environ.* 562: 98-107. <http://dx.doi.org/10.1016/j.scitotenv.2016.03.211>.
- Barndöck, H; Cortijo, L; Hermosilla, D; Negro, C; Blanco, A. (2014). Removal of 1,4-dioxane from industrial wastewaters: routes of decomposition under different operational conditions to determine the ozone oxidation capacity. *J Hazard Mater.* 280: 340-347. <http://dx.doi.org/10.1016/j.jhazmat.2014.07.077>.
- Barone, FS; Rowe, RK; Quigley, RM. (1992). A LABORATORY ESTIMATION OF DIFFUSION AND ADSORPTION COEFFICIENTS FOR SEVERAL VOLATILE ORGANICS IN A NATURAL CLAYEY SOIL. *J Contam Hydrol.* 10: 225-250.
- Chartres, CJ; Ringrosevoase, AJ; Raupach, M. (1989). A COMPARISON BETWEEN ACETONE AND DIOXANE AND EXPLANATION OF THEIR ROLE IN WATER REPLACEMENT IN UNDISTURBED SOIL SAMPLES. *Journal of Soil Science.* 40: 849-863.
- Chiang, SY; Mora, R; Diguseppi, WH; Davis, G; Sublette, K; Gedalanga, P; Mahendra, S. (2012). Characterizing the intrinsic bioremediation potential of 1,4-dioxane and trichloroethene using innovative environmental diagnostic tools. *J Environ Monit.* 14: 2317-2326. <http://dx.doi.org/10.1039/c2em30358b>.
- Cypher, JA; Lemke, LD. (2009). Multiple Working Transport Hypotheses in a Heterogeneous Glacial Aquifer System. *Ground Water Monitoring and Remediation.* 29: 105-119.

Fate Literature Search Results

On Topic

- Fujiwara, T; Tamada, T; Kurata, Y; Ono, Y; Kose, T; Ono, Y; Nishimura, F; Ohtoshi, K. (2008). Investigation of 1,4-dioxane originating from incineration residues produced by incineration of municipal solid waste. *Chemosphere*. 71: 894-901. <http://dx.doi.org/10.1016/j.chemosphere.2007.11.011>.
- Grosjean, D. (1990). Atmospheric chemistry of toxic contaminants. 2. Saturated aliphatics: Acetaldehyde, dioxane, ethylene glycol ethers, propylene oxide. *J Air Waste Manag Assoc*. 40: 1522-1531.
- Hamann, E; Stuyfzand, PJ; Greskowiak, J; Timmer, H; Massmann, G. (2016). The fate of organic micropollutants during long-term/long-distance river bank filtration. *Sci Total Environ*. 545-546: 629-640. <http://dx.doi.org/10.1016/j.scitotenv.2015.12.057>.
- Han, JS; So, MH; Kim, CG. (2009). Optimization of biological wastewater treatment conditions for 1,4-dioxane decomposition in polyester manufacturing processes. *Water Sci Technol*. 59: 995-1002. <http://dx.doi.org/10.2166/wst.2009.079>.
- Ikehata, K; Wang-Staley, L; Qu, X; Li, Y. (2016). Treatment of groundwater contaminated with 1,4-dioxane, tetrahydrofuran, and chlorinated volatile organic compounds using advanced oxidation processes. *Ozone: Science and Engineering*. 38: 413-424. <http://dx.doi.org/10.1080/01919512.2016.1198686>.
- Jewett, D; Lawless, JG. (1980). Formate esters of 1,2-ethanediol: major decomposition products of p-dioxane during storage. *Bull Environ Contam Toxicol*. 25: 118-121.
- Kegel, FS; Rietman, BM; Verliefe, AR. (2010). Reverse osmosis followed by activated carbon filtration for efficient removal of organic micropollutants from river bank filtrate. *Water Sci Technol*. 61: 2603-2610. <http://dx.doi.org/10.2166/wst.2010.166>.
- Kelley, SL; Aitchison, EW; Deshpande, M; Schnoor, JL; Alvarez, PJJ. (2001). Biodegradation of 1,4-dioxane in planted and unplanted soil: Effect of bioaugmentation with *Amycolata* sp CB1190. *Water Res*. 35: 3791-3800. [http://dx.doi.org/10.1016/S0043-1354\(01\)00129-4](http://dx.doi.org/10.1016/S0043-1354(01)00129-4).
- Klecka, GM; Gonsior, SJ. (1986). REMOVAL OF 1,4-DIOXANE FROM WASTE-WATER. *J Hazard Mater*. 13: 161-168.
- Lee, IS; Sim, WJ; Kim, CW; Chang, YS; Oh, JE. (2011). Characteristic occurrence patterns of micropollutants and their removal efficiencies in industrial wastewater treatment plants. *J Environ Monit*. 13: 391-397. <http://dx.doi.org/10.1039/c0em00130a>.
- Lee, W; Park, S, ooH; Kim, J; Jung, J, inY. (2015). Occurrence and removal of hazardous chemicals and toxic metals in 27 industrial wastewater treatment plants in Korea. *Desalination and Water Treatment*. 54: 1141-1149. <http://dx.doi.org/10.1080/19443994.2014.935810>.
- Li, M; Fiorenza, S; Chatham, JR; Mahendra, S; Alvarez, PJJ. (2010). 1,4-Dioxane biodegradation at low temperatures in Arctic groundwater samples. *Water Res*. 44: 2894-2900. <http://dx.doi.org/10.1016/j.watres.2010.02.007>.
- Maekawa, J, un; Mae, K; Nakagawa, H. (2016). Degradation of 1,4-Dioxane by the Ferrioxalate-Mediated Photo-Fenton Process Using UV or White LED Irradiation. *J Chem Eng Jpn*. 49: 305-311. <http://dx.doi.org/10.1252/jcej.14we272>.
- Merayo, N; Hermosilla, D; Cortijo, L; Blanco, Á. (2014). Optimization of the Fenton treatment of 1,4-dioxane and on-line FTIR monitoring of the reaction. *J Hazard Mater*. 268: 102-109. <http://dx.doi.org/10.1016/j.jhazmat.2014.01.008>.
- Nakagawa, H; Takagi, S; Maekawa, J, un. (2016). Fered-Fenton process for the degradation of 1,4-dioxane with an activated carbon electrode: A kinetic model including active radicals. *Chem Eng J*. 296: 398-405. <http://dx.doi.org/10.1016/j.cej.2016.03.090>.
- Ouyang, Y. (2002). Phytoremediation: modeling plant uptake and contaminant transport in the soil-plant-atmosphere continuum. *J Hydrol*. 266: 66-82. [http://dx.doi.org/10.1016/S0022-1694\(02\)00116-6](http://dx.doi.org/10.1016/S0022-1694(02)00116-6).
- Ouyang, Y. (2008). Modeling the mechanisms for uptake and translocation of dioxane in a soil-plant ecosystem with STELLA. *J Contam Hydrol*. 95: 17-29. <http://dx.doi.org/10.1016/j.jconhyd.2007.07.010>.
- Priddle, MW; Jackson, RE. (1991). Laboratory column measurement of VOC retardation factors and comparison with field values. *Ground Water*. 29: 260-266.
- Priddle, MW; Lesage, S; Jackson, RE. (1992). ANALYSIS OF OXYGENATED SOLVENTS IN GROUNDWATER BY DYNAMIC THERMAL STRIPPING-GC-MSD. *Int J Environ Anal Chem*. 49: 117-123.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1994). BIODEGRADATION OF DIOXANE AND DIGLYME IN INDUSTRIAL-WASTE. *Journal of Environmental Science and Health, Part A: Environmental Science and Engineering and Toxi*. 29: 129-147.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1995). Analysis of respirometric data to obtain kinetic coefficients for biodegradation of 1,4-dioxane. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 30: 1775-1790. <http://dx.doi.org/10.1080/10934529509376301>.
- Shen, W; Chen, H; Pan, S. (2008). Anaerobic biodegradation of 1,4-dioxane by sludge enriched with iron-reducing microorganisms. *Bioresour Technol*. 99: 2483-2487. <http://dx.doi.org/10.1016/j.biortech.2007.04.054>.
- Shin, J; Lee, YC; Ahn, Y; Yang, J, iWon. (2012). 1,4-Dioxane degradation by oxidation and sonication in the presence of different-sized ZVI in open-air system. *Desalination and Water Treatment*. 50: 102-114. <http://dx.doi.org/10.1080/19443994.2012.708554>.
- So, MH; Han, JS; Han, TH; Seo, JW; Kim, CG. (2009). Decomposition of 1,4-dioxane by photo-Fenton oxidation coupled with activated sludge in a polyester manufacturing process. *Water Sci Technol*. 59: 1003-1009. <http://dx.doi.org/10.2166/wst.2009.056>.
- Son, HS; Choi, SB; Khan, E; Zoh, KD. (2006). Removal of 1,4-dioxane from water using sonication: effect of adding oxidants on the degradation kinetics. *Water Res*. 40: 692-698. <http://dx.doi.org/10.1016/j.watres.2005.11.046>.
- Son, HS; Im, JK; Zoh, KD. (2009). A Fenton-like degradation mechanism for 1,4-dioxane using zero-valent iron (Fe⁰) and UV light. *Water Res*. 43: 1457-1463. <http://dx.doi.org/10.1016/j.watres.2008.12.029>.
- Son, HS; Zoh, KD, uk. (2012). Effects of Methanol and Carbon Tetrachloride on Sonolysis of 1,4-Dioxane in Relation to Temperature. *Ind Eng Chem Res*. 51: 8939-8944. <http://dx.doi.org/10.1021/ie201766h>.
- Stefan, MI; Bolton, JR. (1998). Mechanism of the degradation of 1,4-dioxane in dilute aqueous solution using the UV hydrogen peroxide process. *Environ Sci Technol*. 32: 1588-1595.
- Stepien, DK; Diehl, P; Helm, J; Thoms, A; Püttmann, W. (2014). Fate of 1,4-dioxane in the aquatic environment: from sewage to drinking water. *Water Res*. 48: 406-419. <http://dx.doi.org/10.1016/j.watres.2013.09.057>.

Fate Literature Search Results

On Topic

- Suh, JH; Mohseni, M. (2004). A study on the relationship between biodegradability enhancement and oxidation of 1,4-dioxane using ozone and hydrogen peroxide. *Water Res.* 38: 2596-2604. <http://dx.doi.org/10.1016/j.watres.2004.03.002>.
- Takahashi, N; Hibino, T; Torii, H; Shibata, S; Tasaka, S; Yoneya, J, un; Matsuda, M; Ogasawara, H; Sugimoto, K; Fujioka, T. (2013). Evaluation of O₃/UV and O₃/H₂O₂ as Practical Advanced Oxidation Processes for Degradation of 1,4-Dioxane. *Ozone: Science and Engineering.* 35: 331-337. <http://dx.doi.org/10.1080/01919512.2013.795851>.
- Tanabe, A; Tsuchida, Y; Ibaraki, T; Kawata, K. (2006). Impact of 1,4-dioxane from domestic effluent on the Agano and Shinano Rivers, Japan. *Bull Environ Contam Toxicol.* 76: 44-51. <http://dx.doi.org/10.1007/s00128-005-0887-5>.
- Teichmann, L; Reuschenbach, P; Muller, B; Horn, H. (2002). 2D simulation of transport and degradation in the river Rhine. *Water Sci Technol.* 46: 99-104.
- Tian, G; Wu, QY; Li, A, ng; Wang, W; Hu, HY. (2014). Enhanced decomposition of 1,4-dioxane in water by ozonation under alkaline condition. *Water Sci Technol.* 70: 1934-1940. <http://dx.doi.org/10.2166/wst.2014.414>.
- Torang, L; Reuschenbach, P; Muller, B; Nyholm, N. (2002). Laboratory shake flask batch tests can predict field biodegradation of aniline in the Rhine. *Chemosphere.* 49: 1257-1265.
- Vescovi, T; Coleman, HM; Amal, R. (2010). The effect of pH on UV-based advanced oxidation technologies--1,4-dioxane degradation. *J Hazard Mater.* 182: 75-79. <http://dx.doi.org/10.1016/j.jhazmat.2010.06.001>.
- Waldemer, RH; Tratnyek, PG. (2006). Kinetics of contaminant degradation by permanganate. *Environ Sci Technol.* 40: 1055-1061. <http://dx.doi.org/10.1021/es051330s>.
- Woodbury, A; Sudicky, E; Ulrych, TJ; Ludwig, R. (1998). Three-dimensional plume source reconstruction using minimum relative entropy inversion. *J Contam Hydrol.* 32: 131-158.
- Yan, N, i; Liu, F, ei; Chen, Y; Brusseau, ML. (2016). Influence of Groundwater Constituents on 1,4-Dioxane Degradation by a Binary Oxidant System. *Water Air Soil Pollut.* 227: 436-436. <http://dx.doi.org/10.1007/s11270-016-3146-y>.
- Yasuhara, A; Shiraiishi, H; Nishikawa, M; Yamamoto, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Kawagoshi, Y. (1999). Organic components in leachates from hazardous waste disposal sites. *Waste Manag Res.* 17: 186-197.
- Yazaydin, AO; Thompson, RW. (2009). Computing Adsorbate/Adsorbent Binding Energies and Henry's Law Constants from Molecular Simulations. *Environ Eng Sci.* 26: 297-303. <http://dx.doi.org/10.1089/ees.2008.0025>.

Fate Literature Search Results

Off Topic

- Abaji, G. (2011). Removal of Metal Ions from Aqueous Solution using Trioctyl Phosphine Oxide-containing Mixed Solvents in Conjunction with a Fibre-supported Solid Membrane. *AST.* 29: 169-183.
- Abdouss, M; Hoseini, SM; Mohammadi-Rovshandeh, J; Javanbakht, M. (2009). Synthesis and characterization of novel biodegradable pentablock copolymers from L-lactide, p-dioxanone and poly (ethylene glycol). *Materwiss Werksttech.* 40: 676-683. <http://dx.doi.org/10.1002/mawe.200900499>.
- Abdurrahmanoglu, S; Gunduz, C; Cakir, U; Cicek, B; Bulut, M. (2005). The synthesis and complexation study of some coumestan and coumestan analog derivatives of crown ethers using conductometry. *Dyes and Pigments.* 65: 197-204. <http://dx.doi.org/10.1016/j.dyepig.2004.07.011>.
- Acevedo, IL; Pedrosa, GC; Katz, M. (1996). Excess molar enthalpies for butylamine plus 1,4-dioxane plus carbon tetrachloride at 298.15 K. *Journal of Chemical and Engineering Data.* 41: 391-393.
- Acosta Santamaria, V; Deplaine, H; Mariggio, D; Villanueva-Molines, AR; Garcia-Aznar, JM; Gomez Ribelles, JL; Doblare, M; Gallego Ferrer, G; Ochoa, I. (2012). Influence of the macro and micro-porous structure on the mechanical behavior of poly(L-lactic acid) scaffolds. *Journal of Non-Crystalline Solids.* 358: 3141-3149. <http://dx.doi.org/10.1016/j.jnoncrysol.2012.08.001>.
- Acree, WE. (1993). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE - COMMENTS. *Fluid Phase Equilibria.* 87: 379-383.
- Adams, CD; Scanlan, PA; Secrist, ND. (1994). OXIDATION AND BIODEGRADABILITY ENHANCEMENT OF 1,4-DIOXANE USING HYDROGEN-PEROXIDE AND OZONE. *Environ Sci Technol.* 28: 1812-1818.
- Adams, TA; Seider, WD. (2009). Semicontinuous reactive extraction and reactive distillation. *Chem Eng Res Des.* 87: 245-262. <http://dx.doi.org/10.1016/j.cherd.2008.08.005>.
- Adamson, DT; Mahendra, S; Walker, KL, Jr; Rauch, SR; Sengupta, S; Newell, CJ. (2014). A Multisite Survey To Identify the Scale of the 1,4-Dioxane Problem at Contaminated Groundwater Sites. *Environ Sci Technol Lett.* 1: 254-258. <http://dx.doi.org/10.1021/ez500092u>.
- Adoor, SG; Manjeshwar, LS; Naidu, BVK; Sairam, M; Aminabhavi, TA. (2006). Poly(vinyl alcohol)/poly(methyl methacrylate) blend membranes for pervaporation separation of water plus isopropanol and water+1,4-dioxane mixtures. *J Memb Sci.* 280: 594-602. <http://dx.doi.org/10.1016/j.memsci.2006.02.017>.
- Adoor, SG; Sairam, M; Manjeshwar, LS; Raju, KVS, N; Aminabhavi, TM. (2006). Sodium montmorillonite clay loaded novel mixed matrix membranes of poly(vinyl alcohol) for pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane. *J Memb Sci.* 285: 182-195. <http://dx.doi.org/10.1016/j.memsci.2006.08.022>.
- Afrin, T; Tsuzuki, T; Kanwar, RK; Wang, X. (2012). The origin of the antibacterial property of bamboo. *J Text Inst.* 103: 844-849. <http://dx.doi.org/10.1080/00405000.2011.614742>.

Fate Literature Search Results

Off Topic

- Ageev, YP; Matushkina, NN; Strusovskaya, NL. (1992). PERVAPORATION THROUGH STRUCTURALLY UNSTABLE POLYMERIC MEMBRANES. *J Memb Sci.* 67: 167-175.
- Aghaie, M; Giahji, M; Aghaie, H; Arvand, M; Pournaghdy, M; Yavari, F. (2009). New Fe(II) Ion-selective electrode based On N-Phenylaza-15-Crown-5 as neutral carrier in PVC matrix. *Desalination.* 247: 346-354. <http://dx.doi.org/10.1016/j.desal.2008.10.007>.
- Agirre, I; Guemez, MB; Ugarte, A; Requies, J; Barrio, VL; Cambra, JF; Arias, PL. (2013). Glycerol acetals as diesel additives: Kinetic study of the reaction between glycerol and acetaldehyde. *Fuel Process Tech.* 116: 182-188. <http://dx.doi.org/10.1016/j.fuproc.2013.05.014>.
- Agrawal, BP; Srivastava, AK. (1995). TEMPLATE POLYMERIZATION OF ZINC-DIACRYLATE ON POLYVINYL ACETATE. *Indian J Chem Tech.* 2: 69-73.
- Aguie-Beghin, V; Baumberger, S; Monties, B; Douillard, R. (2002). Formation and characterization of spread lignin layers at the air/water interface. *Langmuir.* 18: 5190-5196. <http://dx.doi.org/10.1021/la011766v>.
- Aguié-Béghin, V; Foulon, L; Soto, P; Crônier, D; Corti, E; Legée, F; Cézard, L; Chabbert, B; Maillard, MN; Huijgen, WJ; Baumberger, S. (2015). Use of food and packaging model matrices to investigate the antioxidant properties of biorefinery grass lignins. *J Agric Food Chem.* 63: 10022-10031. <http://dx.doi.org/10.1021/acs.jafc.5b03686>.
- Ahmad, A; Collins, RA. (1993). UV-VISIBLE SPECTROSCOPY OF MONOCLINIC AND TRICLINIC LEAD PHTHALOCYANINE. *Mater Lett.* 17: 292-296.
- Ahmad, A; Salahuddin, A. (1996). Effect of organic solvents on lysozyme-antilysozyme precipitin reaction. *Comp Biochem Physiol C Comp Pharmacol Toxicol.* 114: 119-121. [http://dx.doi.org/10.1016/0742-8413\(96\)00020-5](http://dx.doi.org/10.1016/0742-8413(96)00020-5).
- Ahmad, RTM; Hong, SH, o; Shen, TZ, i; Song, JK, un. (2016). Water-assisted stable dispersal of graphene oxide in non-dispersible solvents and skin formation on the GO dispersion². *Carbon.* 98: 188-194. <http://dx.doi.org/10.1016/j.carbon.2015.11.007>.
- Ahmed, IT; Soliman, ES; Boraie, AA. (2004). The acidity constants of some pyrimidine bases in various water-organic solvent media. *Ann Chim.* 94: 847-856. <http://dx.doi.org/10.1002/adic.200490105>.
- Aitchison, EW; Kelley, SL; Alvarez, PJJ; Schnoor, JL. (2000). Phytoremediation of 1,4-dioxane by hybrid poplar trees. *Water Environ Res.* 72: 313-321.
- Akbarzadeh, R; Minton, JA; Janney, CS; Smith, TA; James, PF; Yousefi, AM. (2015). Hierarchical polymeric scaffolds support the growth of MC3T3-E1 cells. *J Mater Sci Mater Med.* 26: 116. <http://dx.doi.org/10.1007/s10856-015-5453-z>.
- Akim, LG; Cordeiro, N; Neto, CP; Gandini, A. (2000). Comparative analysis of the lignins of cork from *Quercus suber* L. and wood from *Eucalyptus globulus* L. by dry hydrogen iodide cleavage. *ACS Symp Ser Am Chem Soc.* 742: 291-302.
- Akinfiev, N; Zotov, A. (1999). Thermodynamic description of equilibria in mixed fluids (H₂O-non-polar gas) over a wide range of temperature (25-700 degrees C) and pressure (1-5000 bars). *Geochim Cosmo Acta.* 63: 2025-2041.
- Akiyama, Y; Ikeda, T; Kawai, A; Kiyozumi, Y; Mizukami, F. (2004). Synthesis and characterization of new layered silicates in the system SiO₂-NaOH-tetramethylammonium hydroxide-1,4-dioxane. *Mater Chem Phys.* 86: 112-122. <http://dx.doi.org/10.1016/j.matchemphys.2004.02.016>.
- Akkouch, A; Zhang, Z; Rouabhia, M. (2011). A novel collagen/hydroxyapatite/poly(lactide-co-ε-caprolactone) biodegradable and bioactive 3D porous scaffold for bone regeneration. *J Biomed Mater Res A.* 96: 693-704. <http://dx.doi.org/10.1002/jbm.a.33033>.
- Al Alousi, AS, h; Shehata, MR; Shoukry, MM; Mohamed, NM. (2009). Interaction of dimethyltin(IV) and trimethyltin(IV) with dehydroacetic acid. *Chem Speciation Bioavailability.* 21: 1-6. <http://dx.doi.org/10.3184/095422909X416216>.
- Aleksandrov, EM; Abdullaev, BF; Aleksandrova, TV; Kozlovskaya, GP; Lubyansetskaya, KF. (1994). PROPERTIES OF SODIUM TUNGSTATE RECRYSTALLIZED FROM WATER PLUS DIOXANE AND WATER PLUS ACETONE MIXED-SOLVENTS. *Inorg Mater.* 30: 915-916.
- Aleksandrov, EM; Balyberdin, AN; Lubyansetskaya, KF; Mikheev, VN. (1986). ION-EXCHANGE BETWEEN SRCO₃ CRYSTALS AND AN AMMONIUM TUNGSTATE SOLUTION IN MIXTURES OF WATER + DIOXANE. *Inorg Mater.* 22: 236-239.
- Aleksandrov, EM; Lubyansetskaya, KF; Mikeev, VN. (1983). ION-EXCHANGE PROCESS IN THE BACO₃(CR)-WO₄(SOLN)-O-Z- SYSTEM IN WATER DIOXANE MIXTURES. *Inorg Mater.* 19: 713-717.
- Aleksandrov, EM; Perlovich, NG; Aleksandrova, TV; Lubyansetskaya, KF. (1994). GRANULOMETRIC COMPOSITION OF K₂CrO₄ PRECIPITATED FROM WATER PLUS ACETONE AND WATER PLUS DIOXANE MIXTURES. *Inorg Mater.* 30: 625-627.
- Alexandre, MC; Popineau, Y; Viroben, G; Chiarello, M; Lelion, A; Gueguen, J. (1993). WHEAT GAMMA GLIADIN AS SUBSTRATE FOR BOVINE PLASMA FACTOR-XIII. *J Agric Food Chem.* 41: 2208-2214.
- Alicilar, A; Bicer, A; Murathan, A. (1994). THE RELATION BETWEEN WETTING EFFICIENCY AND LIQUID HOLDUP IN PACKED-COLUMNS. *Chemical Engineering Communications.* 128: 95-107.
- Allcock, NR; Sunderland, NJ; Primrose, AP; Rheingold, AL; Guzei, IA; Parvez, M. (1999). A new host for polymer and small-molecule clathration. *Chem Mater.* 11: 2478-2485.
- Almonasy, N; Nepras, M; Hykova, S; Lycka, A; Cermak, J; Dvorak, M; Michl, M. (2009). The synthesis of N-derivatives of 3-aminoperylene and their absorption and fluorescence properties. *Dyes and Pigments.* 82: 164-170. <http://dx.doi.org/10.1016/j.dyepig.2008.12.009>.
- Al-Najjar, AA; Mohamed, MM; Shehata, MR; Shoukry, MM. (2006). Tripropyltin(IV) complexes with some selected bioligands in 50% v/v dioxane/water mixture. *Ann Chim.* 96: 97-107.
- Altiokka, MR; Citak, A. (2003). Kinetics study of esterification of acetic acid with isobutanol in the presence of amberlite catalyst. *Appl Catal A-Gen.* 239: 141-148.
- Altiokka, MR; Hosgun, HL. (2007). Kinetics of hydrolysis of benzaldehyde dimethyl acetal over Amberlite IR-120. *Ind Eng Chem Res.* 46: 1058-1062. <http://dx.doi.org/10.1021/ie060716o>.
- Altundas, A; Menzek, A; Gultekin, DD; Karakaya, M. (2005). Excellent and convenient procedures for reduction of benzene and its derivatives. *Turkish Journal of Chemistry.* 29: 513-518.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Advanced oxidation of five contaminants in water by UV/TiO₂: Reaction kinetics and byproducts identification. *J Environ Manage.* 181: 544-551. <http://dx.doi.org/10.1016/j.jenvman.2016.07.015>.

Fate Literature Search Results

Off Topic

- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Photocatalytic Oxidation of Five Contaminants of Emerging Concern by UV/TiO₂: Identification of Intermediates and Degradation Pathways. *Environ Eng Sci.* 33: 140-147. <http://dx.doi.org/10.1089/ees.2015.0388>.
- Aminabhavi, TM; Aminabhavi, VA; Balundgi, RH. (1991). EXCESS PROPERTIES OF BINARY-MIXTURES OF FLUOROBENZENE WITH ALIPHATIC LIQUIDS IN THE TEMPERATURE-RANGE 298.15-K-313.15-K. 29: 473-477.
- Aminabhavi, TM; Gopalakrishna, B. (1995). DENSITY, VISCOSITY, REFRACTIVE-INDEX, AND SPEED OF SOUND IN AQUEOUS MIXTURES OF N,N-DIMETHYLFORMAMIDE, DIMETHYL-SULFOXIDE, N,N-DIMETHYLACETAMIDE, ACETONITRILE, ETHYLENE-GLYCOL, DIETHYLENE GLYCOL, 1,4-DIOXANE, TETRAHYDROFURAN, 2-METHOXYETHANOL, AND 2-ETHOXYETHANOL AT 298.15 K. *Journal of Chemical and Engineering Data.* 40: 856-861.
- Aminabhavi, TM; Harlapur, SF. (1997). Sorption and diffusion of organic liquids into engineering fluoroelastomer membranes in the temperature interval 30-60 degrees C. *Chemical Engineering and Processing: Process Intensification.* 36: 363-370.
- Aminabhavi, TM; Patil, VB. (1998). Density, viscosity, refractive index, and speed of sound in binary mixtures of ethenylbenzene with N,N-dimethylacetamide, tetrahydrofuran, N,N-dimethylformamide, 1,4-dioxane, dimethyl sulfoxide, chloroform, bromoform, and 1-chloronaphthalene in the temperature interval (298.15-308.15) K. *Journal of Chemical and Engineering Data.* 43: 497-503.
- Amireche-Ziar, F; Richon, D; Belaribi, FB. (2013). Excess molar enthalpies for binary mixtures of 1,2-dichloroethane with ethers at 298.15 K and atmospheric pressure. *Fluid Phase Equilibria.* 337: 255-258. <http://dx.doi.org/10.1016/j.fluid.2012.10.001>.
- Amirilargani, M; Sadatnia, B. (2014). Poly(vinyl alcohol)/zeolitic imidazolate frameworks (ZIF-8) mixed matrix membranes for pervaporation dehydration of isopropanol. *J Memb Sci.* 469: 1-10. <http://dx.doi.org/10.1016/j.memsci.2014.06.034>.
- Amnuaypanich, S; Patthana, J; Phinyocheep, P. (2009). Mixed matrix membranes prepared from natural rubber/poly(vinyl alcohol) semi-interpenetrating polymer network (NR/PVA semi-IPN) incorporating with zeolite 4A for the pervaporation dehydration of water-ethanol mixtures. *Chem Eng Sci.* 64: 4908-4918. <http://dx.doi.org/10.1016/j.ces.2009.07.028>.
- Amrutia, RR; Mehta, NM; D Karia, F; Parsania, PH. (2006). Ultrasonic velocity and acoustical parameters of poly (4,4 '-cyclo-hexylidene diphenyloxy-4,4 '-diphenylenesulfone) solutions at different temperatures. *Journal of Sci Ind Res.* 65: 905-911.
- An, YJ; Kwak, J; Nam, SH; Jung, MS. (2014). Development and implementation of surface water quality standards for protection of human health in Korea. *Environ Sci Pollut Res Int.* 21: 77-85. <http://dx.doi.org/10.1007/s11356-013-1626-9>.
- Ananchenko, GS; Udachin, KA; Pojarova, M; Dubes, A; Ripmeester, JA; Jebors, S; Coleman, AW. (2006). Van der Waals nanocapsular complexes of amphiphilic calixarenes. *Cryst Growth Des.* 6: 2141-2148. <http://dx.doi.org/10.1021/cg0603826>.
- Anderson, JE. (1994). THE DEBYE-FALKENHAGEN EFFECT - EXPERIMENTAL FACT OR FICTION. *Journal of Non-Crystalline Solids.* 172: 1190-1194.
- Anderson, RH; Anderson, JK; Bower, PA. (In Press) Co-occurrence of 1,4-dioxane with trichloroethylene in chlorinated solvent groundwater plumes at US Air Force installations: Fact or fiction. *Integr Environ Assess Manag.* <http://dx.doi.org/10.1002/ieam.1306>.
- Andre, V; Braga, D; Grepioni, F; Duarte, MT. (2009). Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. *Cryst Growth Des.* 9: 5108-5116. <http://dx.doi.org/10.1021/cg900495s>.
- Angel Mueses, M; Machuca-Martinez, F; Li Puma, G. (2013). Effective quantum yield and reaction rate model for evaluation of photocatalytic degradation of water contaminants in heterogeneous pilot-scale solar photoreactors. *Chem Eng J.* 215: 937-947. <http://dx.doi.org/10.1016/j.cej.2012.11.076>.
- Anjun, Q; Hu, K; Shaojun, L; Cheng, Y. (2003). A thermally stable chromophore with multi-intramolecular charge-transfer and its poled polymer. *Synthetic Metals.* 137: 1517-1518. [http://dx.doi.org/10.1016/S0379-6779\(02\)01216-X](http://dx.doi.org/10.1016/S0379-6779(02)01216-X).
- Anon. (2004). Cultivating 1,4-dioxane-loving bacteria for remediation. *Chemical Engineering Progress.* 100: 8-9.
- Antonio Gonzalez, J. (2010). Thermodynamics of Mixtures Containing Oxaalkanes. 4. Random Mixing and Orientational Effects in Ether plus Alkane Systems. *Ind Eng Chem Res.* 49: 9511-9524. <http://dx.doi.org/10.1021/ie101264p>.
- Antonio Gonzalez, J; Garcia de la Fuente, I; Carlos Cobos, J; Riesco, N. (2012). Thermodynamics of Mixtures Containing Oxaalkanes. 7. Random Mixing in Ether + CCl₄ Systems. *Ind Eng Chem Res.* 51: 5108-5116. <http://dx.doi.org/10.1021/ie300094e>.
- Antoniou, MG; Andersen, HR. (2015). Comparison of UVC/S2O8²⁻ with UVC/H2O2 in terms of efficiency and cost for the removal of micropollutants from groundwater. *Chemosphere.* 119: S81-S88. <http://dx.doi.org/10.1016/j.chemosphere.2014.03.029>.
- Antonovic, A; Jambrekovic, V; Pervan, S; Istvanic, J; Greger, K; Bublic, A. (2008). A supplement to the research of native lignin of beech sapwood (*Fagus sylvatica* L.). 53: 55-68.
- Ara, M; Watanabe, M; Imai, Y. (2002). Effect of blending calcium compounds on hydrolytic degradation of poly(DL-lactic acid-co-glycolic acid). *Biomaterials.* 23: 2479-2483.
- Aralaguppi, MI; Jadar, CV; Aminabhavi, TM. (1996). Density, refractive index, viscosity, and speed of sound in binary mixtures of 2-ethoxyethanol with dioxane, acetonitrile, and tetrahydrofuran at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data.* 41: 1307-1310.
- Argyropoulos, DS; Bolker, HI. (1987). CONDENSATION OF LIGNIN IN DIOXANE-WATER-HCL. *Journal of Wood Chemistry and Technology.* 7: 1-23.
- Argyropoulos, DS; Bolker, HI; Heitner, C; Archipov, Y. (1993). P-31 NMR-SPECTROSCOPY IN WOOD CHEMISTRY .5. QUALITATIVE-ANALYSIS OF LIGNIN FUNCTIONAL-GROUPS. *Journal of Wood Chemistry and Technology.* 13: 187-212.
- Arin, G; Demirbas, A. (2002). Fractionation and analysis of supercritical fluid extracts from lignite. *Energy Sources.* 24: 817-823. <http://dx.doi.org/10.1080/00908310290086806>.
- Arshanitsa, A; Krumina, L; Telysheva, G; Dizhbite, T. (2016). Exploring the application potential of incompletely soluble organosolv lignin as a macromonomer for polyurethane synthesis. *Ind Crop Prod.* 92: 1-12. <http://dx.doi.org/10.1016/j.indcrop.2016.07.050>.
- Arulazhagan, P; Sivaraman, C; Kumar, SA; Aslam, M; Banu, JR. (2014). Co-metabolic degradation of benzo(e)pyrene by halophilic bacterial consortium at different saline conditions. *J Environ Biol.* 35: 445-452.

Fate Literature Search Results

Off Topic

- Aruna, P; Natarajan, S; Suryanarayana, CV. (1991). THE INTERNAL-PRESSURE AT THE MISCIBILITY POINT IN SOME TERNARY-SYSTEMS. 29: 537-540.
- Arzik, S; Mavioglu; Ayan, E; Çelebi, AS. (2008). Potentiometric Determination of the Stability Constants of Lanthanide Complexes with Iminodiacetic Acid in Water and Dioxane-Water Mixtures. Turkish Journal of Chemistry. 32: 721-729.
- Ashraf, S; Jones, AC; Bacsa, J; Steiner, A; Chalker, PR; Beahan, P; Hindley, S; Odedra, R; Williams, PA; Heys, PN. (2011). MOCVD of Vertically Aligned ZnO Nanowires Using Bidentate Ether Adducts of Dimethylzinc. Chemical Vapor Deposition. 17: 45-53.
<http://dx.doi.org/10.1002/cvde.201006881>.
- Atici, OG; Akar, A; Rahimian, R. (2001). Modification of poly(maleic anhydride-co-styrene) with hydroxyl containing compounds. Turkish Journal of Chemistry. 25: 259-266.
- Atkinson, R. (1989). Kinetics and mechanisms of the gas-phase reactions of the hydroxyl radical with organic compounds. J Phys Chem Ref Data. 1: 1-246.
- ATSDR. (2005). Health consultation. 1,4-Dioxane in private drinking water near Naval Air Station Whidbey Island, Ault Field.
<http://www.docstoc.com/docs/27599091/Health-Consultation>.
- Atta, FM. (1994). SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF THIOGLYCOLIC AMINO-ACID DERIVATIVES AND DIPEPTIDES CONTAINING THE 2-METHYL-3,4-DIHYDROQUINAZOLIN-4-ONE MOIETY. J Chem Tech Biotechnol. 61: 225-229.
- Aubert, PH; Groenendaal, L; Louwet, F; Lutsen, L; Vanderzande, D; Zotti, G. (2002). In situ conductivity measurements on polyethylenedioxythiophene derivatives with different counter ions. Synthetic Metals. 126: 193-198.
- Avagimova, N; Polotskaya, G; Saprykina, N; Toikka, A; Pientka, Z. (2013). Mixed Matrix Membranes Based on Polyamide/Montmorillonite for Pervaporation of Methanol-Toluene Mixture. Separation Science and Technology. 48: 2513-2523.
<http://dx.doi.org/10.1080/01496395.2013.806550>.
- Avramescu, F. (1994). EQUIMOLECULAR COMPOSITION P2O5-SIO2 CATALYST ACTIVITY IN THE 4-4'-DIMETHYL-1,3-METADIOXANE DECOMPOSITION REACTION TO ISOPRENE .4. Rev Chim. 45: 455-458.
- Avramescu, F; Barbulescu, V; Nicolescu, IV. (1994). P2O5-SIO2 CATALYSTS ACTIVITY IN THE 4,4'-DIMETHYL-1,3-METHADIOXANE TO ISOPRENE .3. Rev Chim. 45: 314-316.
- Awasthi, A; Rastogi, M; Shukla, JP. (2004). Ultrasonic and IR study of molecular association process through hydrogen bonding in ternary liquid mixtures. Fluid Phase Equilibria. 215: 119-127. <http://dx.doi.org/10.1016/j.fluid.2003.08.017>.
- Azab, HA. (1993). POTENTIOMETRIC DETERMINATION OF THE 2ND-STAGE DISSOCIATION-CONSTANTS OF SOME HYDROGEN-ION BUFFERS FOR BIOLOGICAL-RESEARCH IN VARIOUS WATER+ORGANIC SOLVENT MIXTURES. Journal of Chemical and Engineering Data. 38: 453-457.
- Azab, HA; Anwar, ZM; Sokar, M. (2004). Medium effect on the apparent dissociation constants of guanine, thymine, uracil, hypoxanthine, and cytosine in various hydroorganic media. Journal of Chemical and Engineering Data. 49: 256-261. <http://dx.doi.org/10.1021/je030192o>.
- Azab, HA; Deghaidy, FS; Orabi, AS; Farid, NY. (1998). Potentiometric determination of the apparent dissociation constants of some N-substituted 3-amino-2-hydroxypropanesulfonic acids in various hydroorganic media. Journal of Chemical and Engineering Data. 43: 245-248.
- Azab, HA; Hassan, A; Khafagy, ZA. (1993). POTENTIOMETRIC DETERMINATION OF THE 2ND-STAGE DISSOCIATION-CONSTANT OF N,N-BIS(2-HYDROXYETHYL)-2-AMINOETHANESULFONIC ACID IN VARIOUS WATER PLUS ORGANIC-SOLVENT MIXTURES. Journal of Chemical and Engineering Data. 38: 231-233.
- Azab, HA; Khafagy, ZA; Hassan, A; Elnady, AM. (1994). MEDIUM EFFECT ON THE 2ND-STAGE DISSOCIATION-CONSTANT OF N,N-BIS(2-HYDROXYETHYL)GLYCINE. Journal of Chemical and Engineering Data. 39: 599-601.
- Azab, HA; Nour, KMA. (1999). Medium effect on the apparent second stage dissociation constants of some zwitterionic buffers for physiological research in various water plus organic solvent mixtures. Journal of Chemical and Engineering Data. 44: 678-683.
- Azab, HA; Orabi, AS; El-Salam, ETA. (1998). Apparent second-stage dissociation constants of some zwitterionic buffers for biochemical and physiological research in various hydroorganic media. Journal of Chemical and Engineering Data. 43: 703-707.
- Azran, J; Shimoni, M; Buchman, O. (1994). HETEROGENEOUS CATALYTIC ISOTOPIC EXCHANGE OF BENZYLIC COMPOUNDS IN SOLUTION. J Catal. 148: 648-653.
- Azzam, T; Eisenberg, A. (2010). Fully collapsed (kipph) vesicles: preparation and characterization. Langmuir. 26: 10513-10523.
<http://dx.doi.org/10.1021/la1004837>.
- Babu, AR; Rao, RS. (1992). CHEMOMETRIC INVESTIGATION OF COMPLEX EQUILIBRIA IN THE SOLUTION PHASE .3. CHEMICAL-MODELS FOR THE COMPLEXATION OF NI(II) WITH ADIPIC ACID DIHYDRAZIDE AND 2-FUROIC ACID HYDRAZIDE IN WATER N,N'-DIMETHYLFORMAMIDE AND WATER DIOXANE MEDIA - CORRELATION WITH SOLVENT PARAMETERS. Journal of Chemical and Engineering Data. 37: 526-531.
- Badis, M; Guer mouche, MH; Bayle, JP; Rogalski, M; Rogalska, E. (2004). Organization of four thermotropic liquid crystals of different polarities on model liquid and solid surfaces. Langmuir. 20: 7991-7997. <http://dx.doi.org/10.1021/la049093e>.
- Bai, GY; Chen, LG; Li, Y; Yan, XL; He, F; Xing, P; Zeng, T. (2004). Selective synthesis of cis-2,6-dimethylpiperazine catalyzed by a Cu-Cr-Fe/gamma-Al2O3 catalyst. Appl Catal A-Gen. 277: 253-258. <http://dx.doi.org/10.1016/j.apcata.2004.09.031>.
- Bai, X; Brown, RC; Fu, J, ie; Shanks, BH; Kieffer, M. (2014). The Influence of Alkali and Alkaline Earth Metals and the Role of Acid Pretreatments in Production of Sugars from Switchgrass Based on Solvent Liquefaction. Energy Fuels. 28: 1111-1120.
<http://dx.doi.org/10.1021/ef4022015>.
- Bai, YX; Qian, JW; Sun, HB; An, QF. (2006). Dilute solution behavior of partly hydrolyzed poly(vinyl acetate) in selective solvent mixtures and the pervaporation performance of their membranes in benzene/cyclohexane separation. J Memb Sci. 279: 418-423.
<http://dx.doi.org/10.1016/j.memsci.2005.12.032>.

Fate Literature Search Results

Off Topic

- Balcazarortiz, AM; Patel, RB; Abbott, MM; Vanness, HC. (1979). EXCESS THERMODYNAMIC FUNCTIONS FOR TERNARY-SYSTEMS .5. TOTAL-PRESSURE DATA AND GE FOR 1,4-DIOXANE-ETHANOL-WATER AT 50-DEGREES-C. *Journal of Chemical and Engineering Data*. 24: 133-136.
- Balogh, DT; Curvelo, AAS. (1998). Successive and batch extraction of *Eucalyptus grandis* in dioxane water-HCl solution. 80: 374-378.
- Baluja, S; Gajera, R; Kulshreshtha, A. (2010). Solubility of Biologically Active Chalcones in 1,4-Dioxane and N,N-Dimethyl Formamide from (298.15 to 318.15) K. *Journal of Chemical and Engineering Data*. 55: 574-577. <http://dx.doi.org/10.1021/jc900370q>.
- Baluja, S; Kulshreshtha, A; Bhatt, M. (2014). ULTRASONIC STUDIES OF ANTIPROTOZOAL DRUG IN PROTIC AND APROTIC SOLVENTS AT 308.15 K. *Lat Am Appl Res*. 44: 93-93.
- Baluja, S; Oza, S. (2003). Ultrasonic studies of some derivatives of 6-ethylbenzene-1,3-diol in 1,4-dioxane. *Fluid Phase Equilibria*. 208: 83-89. [http://dx.doi.org/10.1016/S0378-3812\(02\)00327-8](http://dx.doi.org/10.1016/S0378-3812(02)00327-8).
- Baluja, S; Shah, A. (2004). Acoustical studies of some derivatives of 4-amino antipyrine in 1,4-dioxane and dimethylformamide at 318.15K. *Fluid Phase Equilibria*. 215: 55-59. [http://dx.doi.org/10.1016/S0378-3812\(03\)00355-8](http://dx.doi.org/10.1016/S0378-3812(03)00355-8).
- Baluja, S; Solanki, A; Kachhadia, N. (2010). Studies on Thermodynamic Properties of Some Imidazolinone Derivatives in DMF at 308.15 K. *Chinese Journal of Chemical Engineering*. 18: 306-311.
- Baluja, S; Vaishnani, KP; Gajera, R; Kachhadia, N. (2010). ACOUSTICAL PROPERTIES OF SCHIFF BASE SOLUTIONS IN DMF. *Lat Am Appl Res*. 40: 249-254.
- Baluja, S; Vekariya, N; Movaliya, J. (2008). Acoustical studies of some derivatives of 4-amino benzoic acid in 1, 4-dioxane and dimethyl formamide at 308.15 K. *Iranian Journal of Chemistry and Chemical Engineering (International English Edition)*. 27: 129-135.
- Bambalov, NN. (2007). The lignin content in virgin and cultivated peat soils of Belarussian Poles'e. *Eurasian Soil Science*. 40: 1175-1180. <http://dx.doi.org/10.1134/S106422930711004X>.
- Bambalov, NN. (2011). Changes in the Elemental Composition of Lignin during Humification. *Eurasian Soil Science*. 44: 1090-1096. <http://dx.doi.org/10.1134/S1064229311100036>.
- Bandres, I; Giner, I; Pera, G; Giner, B; Lafuente, C. (2007). Vapour-liquid equilibrium of cyclic ethers with 1-chlorohexane: Experimental results and UNIFAC predictions. *Fluid Phase Equilibria*. 257: 70-77. <http://dx.doi.org/10.1016/j.fluid.2007.05.013>.
- Baragi, JG; Aralaguppi, MI; Aminabhavi, TM; Kariduraganavar, MY; Kittur, AS. (2005). Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 50: 910-916. <http://dx.doi.org/10.1021/jc049610v>.
- Baragi, JG; Aralaguppi, MI; Aminabhavi, TM; Kariduraganavar, MY; Kulkarni, SS. (2005). Density, viscosity, refractive index, and speed of sound for binary mixtures of 1,4-dioxane with different organic liquids at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 50: 917-923. <http://dx.doi.org/10.1021/jc049609w>.
- Baranov, DS; Uvarov, MN; Kazantsev, MS; Mostovich, EA; Glebov, EM; Gatilov, YV; Kulik, LV. (2017). Diaza-analogs of benzopyrene and perylene containing thienyl and 4-(phenylamino)phenyl groups: Synthesis, characterization, optical and electrochemical properties. *Dyes and Pigments*. 136: 707-714. <http://dx.doi.org/10.1016/j.dyepig.2016.09.026>.
- Barhoum, R; Szymanowski, J; Hreczuch, W; Meissner, E. (1994). NARROWING OF ALKYLPHENOL ETHOXYLATE DISTRIBUTION. *J Chem Tech Biotechnol*. 61: 215-218.
- Barndok, H; Blanco, L; Hermosilla, D; Blanco, A. (2016). Heterogeneous photo-Fenton processes using zero valent iron microspheres for the treatment of wastewaters contaminated with 1,4-dioxane. *Chem Eng J*. 284: 112-121. <http://dx.doi.org/10.1016/j.cej.2015.08.097>.
- Barndök, H; Hermosilla, D; Cortijo, L; Torres, E; Blanco, A. (2014). Electrooxidation of industrial wastewater containing 1,4-dioxane in the presence of different salts. *Environ Sci Pollut Res Int*. 21: 5701-5712. <http://dx.doi.org/10.1007/s11356-013-2483-2>.
- Barndok, H; Hermosilla, D; Han, C; Dionysiou, DD; Negro, C; Blanco, A. (2016). Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO₂ composite with monodisperse TiO₂ nanoparticles. *Appl Catal B-Environ*. 180: 44-52. <http://dx.doi.org/10.1016/j.apcatb.2015.06.015>.
- Barndok, H; Hermosilla, D; Han, C; Dionysiou, DD; Negro, C; Blanco, A. (2016). Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO₂ composite with monodisperse TiO₂ nanoparticles (vol 180, pg 44, 2016). *Appl Catal B-Environ*. 196: 232-232. <http://dx.doi.org/10.1016/j.apcatb.2016.05.062>.
- Barndok, H; Merayo, N; Blanco, L; Hermosilla, D; Blanco, A. (2016). Application of on-line FTIR methodology to study the mechanisms of heterogeneous advanced oxidation processes. *Appl Catal B-Environ*. 185: 344-352. <http://dx.doi.org/10.1016/j.apcatb.2015.12.036>.
- Barton, DA; Ahearn, PS; Bousquet, T; Emgushov, BT; Hatlevig, S. (1997). Treatability of selected RCRA-regulated compounds in effluent treatment processes. *Tappi Journal*. 80: 92-100.
- Baskaran, S; Bolan, NS. (1998). An evaluation of methods for measurement of pesticides in sorption experiments. *Commun Soil Sci Plant Anal*. 29: 369-380.
- Bauer, S; Sorek, H; Mitchell, VD; Ibáñez, AB; Wemmer, DE. (2012). Characterization of *Miscanthus giganteus* lignin isolated by ethanol organosolv process under reflux condition. *J Agric Food Chem*. 60: 8203-8212. <http://dx.doi.org/10.1021/jf302409d>.
- Baumberger, S; Aguiabeghin, V; Douillard, R; Lapierre, C; Monties, B. (1997). Properties of grass lignin layers at the air-water interface. *Ind Crop Prod*. 6: 259-263.
- Bayramoglu, G; Arica, MY. (2009). Immobilization of laccase onto poly(glycidylmethacrylate) brush grafted poly(hydroxyethylmethacrylate) films: Enzymatic oxidation of phenolic compounds. *Mater Sci Eng C*. 29: 1990-1997. <http://dx.doi.org/10.1016/j.msec.2009.03.011>.

Fate Literature Search Results

Off Topic

- Bayramoglu, G; Arica, MY. (2009). Preparation and characterization of comb type polymer coated poly(HEMA/EGDMA) microspheres containing surface-anchored sulfonic acid: Application in gamma-globulin separation. *React Funct Polym.* 69: 189-196. <http://dx.doi.org/10.1016/j.reactfunctpolym.2008.12.017>.
- Bayri, NA; Kocak, O. (1997). Investigation of H-bond on fluorescence changes in benzene derivations and different acceptor systems. *Turkish Journal of Chemistry.* 21: 173-181.
- Baysal, B; Erbil, C; Morganelli, PL; Stockmayer, WH. (1997). Dielectric studies of various olefin/SO₂ copolymers. *Turkish Journal of Chemistry.* 21: 239-245.
- Bazyliak, L; Bratychak, M; Brostow, W. (1999). Peroxy derivatives of epoxy resins based on bisphenol A: Effects of quaternary ammonium salts. *Mater Res Innovat.* 3: 132-137.
- Bebahani, GRR; Hogan, P; Waghorne, WE. (2002). Ostwald concentration coefficients of acetonitrile in aqueous mixed solvents: A new, rapid method for measuring the solubilities of volatile solutes. *Journal of Chemical and Engineering Data.* 47: 1290-1292. <http://dx.doi.org/10.1021/je0200665>.
- Bechtold, R; Gonzalez, AE; Almendros, G; Martinez, MJ; Martinez, AT. (1993). LIGNIN ALTERATION BY GANODERMA-AUSTRALE AND OTHER WHITE-ROT FUNGI AFTER SOLID-STATE FERMENTATION OF BEECH WOOD. *Holzforschung.* 47: 91-96.
- Beck-Broichsitter, M; Nicolas, J; Couvreur, P. (2015). Solvent selection causes remarkable shifts of the "Ouzo region" for poly(lactide-co-glycolide) nanoparticles prepared by nanoprecipitation. *Nanoscale.* 7: 9215-9221. <http://dx.doi.org/10.1039/c5nr01695a>.
- Beckett, MA; Hua, I. (2000). Elucidation of the 1,4-dioxane decomposition pathway at discrete ultrasonic frequencies. *Environ Sci Technol.* 34: 3944-3953. <http://dx.doi.org/10.1021/es000928r>.
- Beckett, MA; Hua, I. (2003). Enhanced sonochemical decomposition of 1,4-dioxane by ferrous iron. *Water Res.* 37: 2372-2376. [http://dx.doi.org/10.1016/S0043-1354\(03\)00005-8](http://dx.doi.org/10.1016/S0043-1354(03)00005-8).
- Behtash, S; Lu, J; Mamun, O; Williams, CT; Monnier, JR; Heyden, A. (2016). Solvation Effects in the Hydrodeoxygenation of Propanoic Acid over a Model Pd(211) Catalyst. *J Phys Chem C.* 120: 2724-2736. <http://dx.doi.org/10.1021/acs.jpcc.5b10419>.
- Behtash, S; Lu, J; Walker, E; Mamun, O; Heyden, A. (2016). Solvent effects in the liquid phase hydrodeoxygenation of methyl propionate over a Pd(111) catalyst model. *J Catal.* 333: 171-183. <http://dx.doi.org/10.1016/j.jcat.2015.10.027>.
- Belaribi, FB; Boukais-Belaribi, G; Dahmoun, A; Dahmani, A; Mohammadi, AH; Richon, D. (2014). Experimental Measurements and Correlations of Excess Molar Enthalpies for the Binary and Ternary Mixtures of (Cyclohexane, 1,4-Dioxane and Piperidine) or (Cyclohexane, Morpholine and Piperidine) at 308.15 K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 59: 1629-1635. <http://dx.doi.org/10.1021/je500088z>.
- Belaribi, FB; Boukais-Belaribi, G; Mohammadi, AH; Richon, D. (2010). Excess Molar Enthalpies for the Binary and Ternary Mixtures of Cyclohexane, Tetrahydropyran, and Piperidine at 308.15 K and Atmospheric Pressure: Experimental Measurements and Correlations. *Journal of Chemical and Engineering Data.* 55: 303-307. <http://dx.doi.org/10.1021/je900347f>.
- Belaribi, FB; Dahmoun, A; Dahmani, A; Boukais-Belaribi, G; Mohammadi, AH; Richon, D. (2010). Experimental Measurements and Correlations of Excess Molar Enthalpies for the Binary and Ternary Mixtures of (Cyclohexane, Tetrahydropyran, and Morpholine) or (Cyclohexane, 1,4-Dioxane, and Morpholine) at 308.15 K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 55: 2833-2839. <http://dx.doi.org/10.1021/je9010097>.
- Benes, L; Zima, V; Melanova, K; Trchova, M; Capkova, P; Koudelka, B; Matejka, P. (2002). Synthesis and characterization of vanadyl phosphate intercalated with dioxane, trioxane, and 18-crown-6. *Chem Mater.* 14: 2788-2795. <http://dx.doi.org/10.1021/cm021134+>.
- Benghedalia, D; Yosef, E. (1994). EFFECT OF ISOLATION PROCEDURE ON MOLECULAR-WEIGHT DISTRIBUTION OF WHEAT-STRAW LIGNINS. *J Agric Food Chem.* 42: 649-652.
- Benghedalia, D; Yosef, E; Miron, J; Huttermann, A; Majcherczyk, A; Milstein, O. (1994). CHARACTERIZATION OF LIGNINS IN STRAW, RUMEN LIQUOR AND FECES OF SHEEP FED UNTREATED AND SO₂-TREATED WHEAT-STRAW. *Anim Feed Sci Technol.* 47: 89-98.
- Benghedalia, D; Yosef, E; Solomon, R; Miron, J; Huttermann, A; Majcherczyk, A; Milstein, O. (1994). SIZE-EXCLUSION CHROMATOGRAPHY OF COTTON STALK LIGNINS ISOLATED FROM RUMEN DIGESTA AND FECES OF SHEEP. *J Agric Food Chem.* 42: 1160-1163.
- Bermudez-Salguero, C; Amigo, A; Gracia-Fadrique, J. (2012). Activity coefficients from Gibbs adsorption equation. *Fluid Phase Equilibria.* 330: 17-23. <http://dx.doi.org/10.1016/j.fluid.2012.06.006>.
- Bertinchamps, F; Cimpeanu, V; Gaigneaux, EM; Parvulescu, VI. (2007). The role of crystalline structure of molybdenum oxide catalysts onto the activity and stability in sulfoxidation of thioethers. *Appl Catal A-Gen.* 325: 283-289. <http://dx.doi.org/10.1016/j.apcata.2007.02.027>.
- Bettahalli, NMS; Steg, H; Wessling, M; Stamatialis, D. (2011). Development of poly(L-lactic acid) hollow fiber membranes for artificial vasculature in tissue engineering scaffolds. *J Memb Sci.* 371: 117-126. <http://dx.doi.org/10.1016/j.memsci.2011.01.026>.
- Betz, MW; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2009). Tissue response and orbital floor regeneration using cyclic acetal hydrogels. *J Biomed Mater Res A.* 90: 819-829. <http://dx.doi.org/10.1002/jbm.a.32131>.
- Betz, MW; Modi, PC; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2008). Cyclic acetal hydrogel system for bone marrow stromal cell encapsulation and osteodifferentiation. *J Biomed Mater Res A.* 86: 662-670. <http://dx.doi.org/10.1002/jbm.a.31640>.
- Bhat, K; Choi, J; McCall, SD; Aggarwal, MD; Cardelino, BH; Moore, CE; Penn, BG; Frazier, DO; Sanghadasa, M; Barr, TA; Laxmeshwar, NB. (1997). Theoretical and experimental study of the second-order polarizabilities of Schiff's bases for nonlinear optical applications. *Computational Materials Science.* 8: 309-316.
- Bhat, SD; Aminabhavi, TM. (2006). Novel sodium alginate composite membranes incorporated with SBA-15 molecular sieves for the pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane at 30 degrees C. *Microporous and Mesoporous Materials.* 91: 206-214. <http://dx.doi.org/10.1016/j.micromeso.2005.11.044>.

Fate Literature Search Results

Off Topic

- Bhat, SD; Aminabhavi, TM. (2006). Novel sodium alginate-Na+MMT hybrid composite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. *Separation and Purification Technology*. 51: 85-94. <http://dx.doi.org/10.1016/j.seppur.2005.12.025>.
- Bhat, SD; Aminabhavi, TM. (2007). Pervaporation separation using sodium alginate and its modified membranes - A review. *Separation and Purification Reviews*. 36: 203-229. <http://dx.doi.org/10.1080/15422110701539061>.
- Bhat, SD; Aminabhavi, TM. (2007). Zeolite K-LTL-loaded sodium alginate mixed matrix membranes for pervaporation dehydration of aqueous-organic mixtures. *J Memb Sci*. 306: 173-185. <http://dx.doi.org/10.1016/j.memsci.2007.08.040>.
- Bhat, SD; Mallikarjuna, NN; Aminabhavi, TM. (2006). Microporous alumino-phosphate (AlPO₄-5) molecular sieve-loaded novel sodium alginate composite membranes for pervaporation dehydration of aqueous-organic mixtures near their azeotropic compositions. *J Memb Sci*. 282: 473-483. <http://dx.doi.org/10.1016/j.memsci.2006.06.006>.
- Bhatia, D; Braun, D; Choudhary, V. (2003). Studies on the copolymerization of cyclic ketene acetals with styrene. *Indian J Chem Tech*. 10: 548-557.
- Bhattacharya, S; Saha, BK. (2013). Polymorphism through Desolvation of the Solvates of a van der Waals Host. *Cryst Growth Des*. 13: 606-613. <http://dx.doi.org/10.1021/cg301269d>.
- Bhesaniya, K; Nandha, K; Baluja, S. (2014). Thermodynamics of Fluconazole Solubility in Various Solvents at Different Temperatures. *Journal of Chemical and Engineering Data*. 59: 649-652. <http://dx.doi.org/10.1021/je4010257>.
- Bicak, N; Senkal, BF; Sezer, E. (2005). Preparation of organo-soluble polyanilines in ionic liquid. *Synthetic Metals*. 155: 105-109. <http://dx.doi.org/10.1016/j.synthmet.2005.06.010>.
- Bicak, N; Soydan, AB; Senkal, BF; Koza, G; Yener, M. (1999). 1,2-Diaminoethane-containing epoxy resins for separation of aldehydes. *React Funct Polym*. 39: 197-205.
- Biordi, JC. (1970). KINETICS OF METHANOLYSIS OF BENZOYL CHLORIDE IN METHANOL-DIOXANE MIXTURES. *Journal of Chemical and Engineering Data*. 15: 166-8.
- Blokhra, RL; Parmar, ML; Chauhan, SC. (1983). TRANSPORT STUDIES OF WATER AND AQUEOUS DIOXANE THROUGH A PYREX SINTERED DISK IMPREGNATED WITH CELLULOSE-ACETATE. *J Memb Sci*. 14: 67-77.
- Blokhra, RL; Sakhuja, N. (1977). MOLAL VOLUMES OF LITHIUM, SODIUM, AND POTASSIUM-CHLORIDE IN MULTICOMPONENT ELECTROLYTE-SOLUTIONS (LiCl-NaCl-KCl-AQUEOUS DIOXANE). *Journal of Chemical and Engineering Data*. 22: 54-56.
- Bodzek, M; Bohdziewicz, J. (1991). POROUS POLYCARBONATE PHASE-INVERSION MEMBRANES. *J Memb Sci*. 60: 25-40.
- Bogen, KT. (1990). *Uncertainty in environmental health risk assessment*. New York, NY: Garland Publishing.
- Bonelli, B; Cozzolino, M; Tesser, R; Di Serio, M; Piumetti, M; Garrone, E; Santacesaria, E. (2007). Study of the surface acidity of TiO₂/SiO₂ catalysts by means of FTIR measurements of CO and NH₃ adsorption. *J Catal*. 246: 293-300. <http://dx.doi.org/10.1016/j.jcat.2006.12.015>.
- Boorman, GA; Morgan, KT; Uriah, LC. (1990). Nose, larynx and trachea. In GA Boorman; SL Eustis; MR Elwell; WF MacKenzie (Eds.), (pp. 315-337). San Diego, CA: Academic Press.
- Boraei, A; Mohamed, N. (2002). Effect of the medium on the ionization constants of some triazole compounds. *Ann Chim*. 92: 575-585.
- Boraei, AAA; Taha, F; Mohamed, AH; Ibrahim, SA. (2001). Medium effect and thermodynamic studies for the proton-ligand and metal-ligand formation constants of the ternary systems M-II + adenosine-5'-triphosphate (ATP) plus asparagine. *Journal of Chemical and Engineering Data*. 46: 267-275. <http://dx.doi.org/10.1021/je000221k>.
- Boscornea, C; David, A; Ioan, L; Teodorescu, M. (2013). Effect of Additives upon the Phase Transition Temperature of alpha,omega-(2-Hydroxyethoxy) Oligo(propylene oxide) in Aqueous Solutions. *Materiale Plastice*. 50: 163-166.
- Bose, SK; Francis, RC. (1999). The role of beta-O-4 cleavage in acidic organosolv pulping of softwoods. *Journal of Pulp & Paper Science*. 25: 425-430.
- Bosiak, MJ; Trzaska, P; Kedziera, D; Adams, J. (2016). Synthesis and photoluminescence properties of star-shaped 2,3,6,7-tetrasubstituted benzo[1,2-b:4,5-b']difurans. *Dyes and Pigments*. 129: 199-208. <http://dx.doi.org/10.1016/j.dyepig.2016.01.025>.
- Bossmann, SH; Troscher, G; Oliveros, E; Braun, AM. (1996). Light-induced decomposition of perinaphthenone (phenalenone) in N,N-dimethylacetamide, 1,4-dioxane and 2-propanol. *Journal of Information Recording*. 23: 171-173.
- Bothun, GD; Ni, Q; Ilias, S. (2008). Solvent-dependent permeability in asymmetric ceramic membranes with tortuous or non-tortuous mesopores. *J Memb Sci*. 325: 982-988. <http://dx.doi.org/10.1016/j.memsci.2008.09.026>.
- Boukais-Belaribi, G; Mohammadi, AH; Belaribi, FB; Richon, D. (2009). Excess Molar Enthalpies for the Binary and Ternary Mixtures of Cyclohexane, Tetrahydropyran, and 1,4-Dioxane at 308.15 K and Atmospheric Pressure: Experimental Measurements and Correlations. *Journal of Chemical and Engineering Data*. 54: 2513-2516. <http://dx.doi.org/10.1021/je900077g>.
- Bouxin, F; Baumberger, S; Pollet, B; Haudrechy, A; Renault, JH; Dole, P. (2010). Acidolysis of a lignin model: investigation of heterogeneous catalysis using Montmorillonite clay. *Bioresour Technol*. 101: 736-744. <http://dx.doi.org/10.1016/j.biortech.2009.08.037>.
- Bowen, WR; Cheng, SY; Doneva, TA; Oatley, DL. (2005). Manufacture and characterisation of polyetherimide/sulfonated poly(ether ether ketone) blend membranes. *J Memb Sci*. 250: 1-10. <http://dx.doi.org/10.1016/j.memsci.2004.07.004>.
- Bracke, G; Satir, M; Krauss, P. (1995). The cryptand [222] for exchanging cations of micas. *Clays and Clay Minerals*. 43: 732-737.
- Brahman, D; Sinha, B. (2011). Partial Molar Volumes and Viscosity B-Coefficients of N,N'-Ethylene-bis(salicylideneiminato)cobalt(III) in Binary Mixtures of 1,4-Dioxane + Methanol at T = (298.15, 303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 56: 3073-3082. <http://dx.doi.org/10.1021/je200145r>.
- Brandao, JC; Bohets H, HL; Van De VYVER, IE; Dierickx, PJ. (1992). Correlation between the in vitro cytotoxicity to cultured fathead minnow fish cells and fish lethality data for 50 chemicals. *Chemosphere*. 25: 553-562.

Fate Literature Search Results

Off Topic

- Brandi, RJ; Citroni, MA; Alfano, OM; Cassano, AE. (2003). Absolute quantum yields in photocatalytic slurry reactors. *Chem Eng Sci.* 58: 979-985. [http://dx.doi.org/10.1016/S0009-2509\(02\)00638-3](http://dx.doi.org/10.1016/S0009-2509(02)00638-3).
- Brasack, I; Bottcher, H; Hempel, U. (2000). Biocompatibility of modified silica-protein composite layers. *Journal of Sol-Gel Science and Technology.* 19: 479-482.
- Bratychak, M; Brostow, W. (1999). Synthesis and properties of peroxy derivatives of epoxy resins based on bisphenol A. 1. Effects of the presence of inorganic bases. *Polymer Engineering and Science.* 39: 1541-1549.
- Braun, DE; Griesser, UJ. (2016). Why Do Hydrates (Solvates) Form in Small Neutral Organic Molecules? Exploring the Crystal Form Landscapes of the Alkaloids Brucine and Strychnine. *Cryst Growth Des.* 16: 6405-6418. <http://dx.doi.org/10.1021/acs.cgd.6b01078>.
- Braun, DE; Karamertzanis, PG; Arlin, JB; Florence, AJ; Kahlenberg, V; Tocher, DA; Griesser, UJ; Price, SL. (2011). Solid-State Forms of β -Resorcylic Acid: How Exhaustive Should a Polymorph Screen Be? *Cryst Growth Des.* 11: 210-220. <http://dx.doi.org/10.1021/cg101162a>.
- Breen, C; Deane, AT; Flynn, JJ. (1987). VAPOR-PHASE SORPTION KINETICS FOR TETRAHYDROFURAN, TETRAHYDROPYRAN, AND 1,4-DIOXAN BY AL-3+-EXCHANGED AND CR-3+-EXCHANGED MONTMORILLONITE. *Clays and Clay Minerals.* 35: 343-346.
- Brocos, P; Calvo, E; Amigo, A; Bravo, R; Pintos, M; Roux, AH; Roux-Desgranges, G. (1998). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 2. Binary systems 1,3-dioxolane plus n-alkanes. *Journal of Chemical and Engineering Data.* 43: 112-116.
- Brocos, P; Calvo, E; Bravo, R; Pintos, M; Amigo, A. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 3. Binary systems {tetrahydrofuran, tetrahydropyran, 1,4-dioxane, or 1,3-dioxolane plus cyclohexane or toluene}. *Journal of Chemical and Engineering Data.* 44: 67-72.
- Brocos, P; Calvo, E; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 5. Binary systems {1,3-dioxolane+1-alkanols}. *Journal of Chemical and Engineering Data.* 44: 1341-1347.
- Brocos, P; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (2003). Thermodynamics of mixtures involving some linear or cyclic ketones and cyclic ethers. 2. Systems containing tetrahydropyran. *Journal of Chemical and Engineering Data.* 48: 712-719. <http://dx.doi.org/10.1021/je025649t>.
- Brocos, P; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (2003). Thermodynamics of mixtures involving some linear or cyclic ketones and cyclic ethers. 3. Systems containing 1,4-dioxane. *Journal of Chemical and Engineering Data.* 48: 1055-1061. <http://dx.doi.org/10.1021/je0340371>.
- Bruchet, A; Hochereau, C; Campos, C. (2007). An acute taste and odour episode solved by olfactory GC-MS. *Water Sci Technol.* 55: 223-230. <http://dx.doi.org/10.2166/wst.2007.183>.
- Bruno, TJ; Lovestead, TM; Huber, ML; Riggs, JR. (2011). Comparison of Diesel Fuel Oxygenate Additives to the Composition-Explicit Distillation Curve Method. Part 2: Cyclic Compounds with One to Two Oxygens. *Energy Fuels.* 25: 2508-2517. <http://dx.doi.org/10.1021/ef2003427>.
- Brzozowska, T; Zielinski, J; Ciesinska, W. (2006). Radical polymerization of styrene and methyl methacrylate in a microwave reactor. *Przemysł Chemiczny.* 85: 507-509.
- Budoace, S; Cimpeanu, V; Parvulescu, V; Centeno, MA; Grange, P; Parvulescu, VI. (2004). Chemoselective oxidation of 2-thiomethyl-4,6-dimethyl-pyrimidine on nanostructured tantalum oxides. *Catalysis Today.* 91-2: 219-223. <http://dx.doi.org/10.1016/j.cattod.2004.03.037>.
- Buffler, PA; Wood, SM; Suarez, L; Kilian, DJ. (1978). Mortality follow-up of workers exposed to 1,4-dioxane. *J Occup Environ Med.* 20: 255-259.
- Bui, VT; Hamdouni, A; Leonard, J. (1992). INTERACTIVE BEHAVIOR OF THE ALPHA-METHYLSTYRENE TOLUENE MIXTURE. *Can J Chem Eng.* 70: 153-158.
- Bulkley, D; Kember, T; Berberian, J. (2007). Dipole moment of 3-bromopentane in various solvents. *Journal of Non-Crystalline Solids.* 353: 4552-4554. <http://dx.doi.org/10.1016/j.jnoncrysol.2007.02.084>.
- Bunzel, M; Ralph, J. (2006). NMR characterization of lignins isolated from fruit and vegetable insoluble dietary fiber. *J Agric Food Chem.* 54: 8352-8361. <http://dx.doi.org/10.1021/jf061525z>.
- Burke, SE; Eisenberg, A. (2001). Effect of sodium dodecyl sulfate on the morphology of polystyrene-b-poly(acrylic acid) aggregates in dioxane-water mixtures. *Langmuir.* 17: 8341-8347. <http://dx.doi.org/10.1021/la010663+>.
- Burke, SE; Eisenberg, A. (2001). Kinetics and mechanisms of the sphere-to-rod and rod-to-sphere transitions in the ternary system PS310-b-PAA(52)/dioxane/water. *Langmuir.* 17: 6705-6714. <http://dx.doi.org/10.1021/la010640v>.
- Caira, MR; Stieger, N; Liebenberg, W; De Villieris, MM; Samsodien, H. (2008). Solvent inclusion by the anti-HIV drug nevirapine: X-ray structures and thermal decomposition of representative solvates. *Cryst Growth Des.* 8: 17-23. <http://dx.doi.org/10.1021/cg070522r>.
- Cakar, F; Sakar, D; Cankurtaran, O; Karaman, F. (2009). Miscibility criteria of blends of poly(2,6-di methyl-1,4-phenylene oxide)/A copolyester of bisphenol-A with terephthalic and isophthalic acids by viscometric analysis. *Optoelectronics and Advanced Materials Rapid Communications.* 3: 1106-1109.
- Cal/EPA. (2013). Proposition 65 list of chemicals: Chemicals known to the state to cause cancer or reproductive toxicity. Sacramento, CA: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. http://www.oehha.ca.gov/prop65/prop65_list/files/P65single072613.pdf.
- Calimli, A; Olcay, A. (1982). SUPERCRITICAL DIOXANE EXTRACTION OF SPRUCE WOOD AND OF DIOXANE-LIGNIN AND COMPARISON OF THE EXTRACTS WITH THE PYROLYSIS PRODUCTS. *Separation Science and Technology.* 17: 183-197.
- Calvaruso, G; Cavasino, FP; Didio, E. (1973). KINETICS AND MECHANISM OF ACID-HYDROLYSIS OF PARA-SUBSTITUTED BENZOIC ANHYDRIDES IN DIOXANE-WATER MIXTURES. *Ann Chim.* 63: 663-674.

Fate Literature Search Results

Off Topic

- Calvo, E; Artal, M; Embid, JM; Velasco, I; Otin, S. (1999). Isothermal vapor-liquid equilibria of 1,3-dioxolane or 1,4-dioxane plus hexane or plus cyclohexane or plus ethanol mixtures at T = 308.15 K. *Journal of Chemical and Engineering Data*. 44: 193-196.
- Calvo, E; Brocos, P; Bravo, R; Pintos, M; Amigo, A; Roux, AH; Roux-Desgranges, G. (1998). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 1. Binary systems 1,4-dioxane plus n-alkanes. *Journal of Chemical and Engineering Data*. 43: 105-111.
- Calvo, E; Brocos, P; Pineiro, A; Pintos, M; Amigo, A; Bravo, R; Roux, AH; Roux-Desgranges, G. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 4. Binary systems 1,4-dioxane+1-alkanols. *Journal of Chemical and Engineering Data*. 44: 948-954.
- Calvo, E; Penas, A; Pintos, M; Bravo, R; Amigo, A. (2001). Refractive indices and surface tensions of binary mixtures of 1,4-dioxane+1-alkanols at 298.15 K. *Journal of Chemical and Engineering Data*. 46: 692-695.
- Can, HK; Parvizikhosroshahi, S; Uluişik, EC. (2016). Studies of miscibility and specific interactions of antitumor-active anhydride copolymer and poly(ethylene glycol) blends. 44: 680-689. <http://dx.doi.org/10.3109/21691401.2014.980506>.
- Cao, T; Yin, W; Armstrong, JL; Webber, SE. (1994). ADSORPTION OF PHOTOACTIVE AMPHIPHILIC POLYMERS ONTO HYDROPHOBIC POLYMER-FILMS - POLYSTYRENE-BLOCK-POLY(2-VINYLNAPHTHALENE)-BLOCK-POLY(METHACRYLIC ACID). *Langmuir*. 10: 1841-1847.
- Capanema, E; Balakshin, M; Katahira, R, ui; Chang, H, oumin; Jameel, H. (2015). HOW WELL DO MWL AND CEL PREPARATIONS REPRESENT THE WHOLE HARDWOOD LIGNIN? *Journal of Wood Chemistry and Technology*. 35: 17-26. <http://dx.doi.org/10.1080/02773813.2014.892993>.
- Cardenas, ZJ; Jimenez, DM; Martinez, F. (2015). Solubility and Saturation Apparent Volume of Propranolol Hydrochloride in Some Binary Aqueous Cosolvent Mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 60: 1520-1525. <http://dx.doi.org/10.1021/acs.jced.5b00167>.
- Carfi Pavia, F; Palumbo, FS; La Carrubba, V; Bongiovì, F; Brucato, V; Pitarresi, G; Giammona, G. (2016). Modulation of physical and biological properties of a composite PLLA and polyaspartamide derivative obtained via thermally induced phase separation (TIPS) technique. *Mater Sci Eng C*. 67: 561-569. <http://dx.doi.org/10.1016/j.msec.2016.05.040>.
- Carpenter, SP; Lasker, JM; Raucy, JL. (1996). Expression, induction, and catalytic activity of the ethanol-inducible cytochrome P450 (CYP2E1) in human fetal liver and hepatocytes. *Mol Pharmacol*. 49: 260-268.
- Carrera, G; Vegué, L; Boleda, MR; Ventura, F. (2017). Simultaneous determination of the potential carcinogen 1,4-dioxane and malodorous alkyl-1,3-dioxanes and alkyl-1,3-dioxolanes in environmental waters by solid-phase extraction and gas chromatography tandem mass spectrometry. *J Chromatogr A*. 1487: 1-13. <http://dx.doi.org/10.1016/j.chroma.2017.01.015>.
- Carriazo, D; Martin, C; Rives, V; Popescu, A; Cojocar, B; Mandache, I; Parvulescu, VI. (2006). Hydrotalcites composition as catalysts: Preparation and their behavior on epoxidation of two bicycloalkenes. *Microporous and Mesoporous Materials*. 95: 39-47. <http://dx.doi.org/10.1016/j.micromeso.2006.05.004>.
- Carter, VJ; Wright, PA; Gale, JD; Morris, RE; Sastre, E; Perezpariente, J. (1997). AlMePO-beta: inclusion and thermal removal of structure directing agent and the topotactic reconstructive transformation to its polymorph AlMePO-alpha. *J Mater Chem*. 7: 2287-2292.
- Casada, ME; Ram, MS; Flinn, PW. (2008). Thermal design of shipping containers for beneficial insects. *Appl Eng Agr*. 24: 63-70.
- Castellari, C; Francesconi, R; Comelli, F. (1984). VAPOR LIQUID EQUILIBRIA IN BINARY-SYSTEMS CONTAINING 1,3-DIOXOLANE AT ISOBARIC CONDITIONS .4. BINARY-MIXTURES OF 1,3-DIOXOLANE WITH 1,4-DIOXANE AND 1,1,2,2-TETRACHLOROETHANE. *Journal of Chemical and Engineering Data*. 29: 126-128.
- Castellarnau, M; Ramón-Azcón, J; Gonzalez-Quinteiro, Y; López, JF; Grimalt, JO; Marco, MP; Nieuwenhuijsen, M; Picado, A. (2017). Assessment of analytical methods to determine pyrethroids content of bednets. *Trop Med Int Health*. 22: 41-51. <http://dx.doi.org/10.1111/tmi.12794>.
- Castro, MCR; Belsley, M; Raposo, MMM. (2016). Push-pull second harmonic generation chromophores bearing pyrrole and thiazole heterocycles functionalized with several acceptor moieties: Syntheses and characterization. *Dyes and Pigments*. 128: 89-95. <http://dx.doi.org/10.1016/j.dyepig.2016.01.015>.
- Castro, MCR; Belsley, M; Raposo, MMM. (2016). Synthesis and characterization of push-pull bithienylpyrrole NLOphores with enhanced hyperpolarizabilities. *Dyes and Pigments*. 131: 333-339. <http://dx.doi.org/10.1016/j.dyepig.2016.04.027>.
- Catriniciu, M; Iulian, O; Omota, LM; Ciocirlan, O. (2006). Viscosity and density of binary and ternary systems with water, 1,4-dioxane and diethylene glycol at 303.15K. *Rev Chim*. 57: 687-692.
- CDPH. (2011). 1,4-Dioxane for Drinking Water Systems. <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/1,4-dioxane.aspx>.
- Cebrián, C; Natali, M; Villa, D; Panigati, M; Mauro, M; D'Alfonso, G; De Cola, L. (2015). Luminescent supramolecular soft nanostructures from amphiphilic dinuclear Re(I) complexes. *Nanoscale*. 7: 12000-12009. <http://dx.doi.org/10.1039/c5nr01668a>.
- Chakrabarti, S; Aditya, S. (1972). ELECTROMOTIVE FORCE STUDIES OF CELL, CDXHG/CDSO4(M)/HG2SO4,HG, IN DIOXANE-WATER MEDIA. *Journal of Chemical and Engineering Data*. 17: 46-+.
- Chang, CJ; Hsu, SH. (2006). The effect of high outflow permeability in asymmetric poly(dl-lactic acid-co-glycolic acid) conduits for peripheral nerve regeneration. *Biomaterials*. 27: 1035-1042. <http://dx.doi.org/10.1016/j.biomaterials.2005.07.003>.
- Charles-Harris, M; Navarro, M; Engel, E; Aparicio, C; Ginebra, MP; Planell, JA. (2005). Surface characterization of completely degradable composite scaffolds. *J Mater Sci Mater Med*. 16: 1125-1130. <http://dx.doi.org/10.1007/s10856-005-4717-4>.
- Chaturvedi, B; Srivastava, AK. (1993). STYRENE-ARSENIC SULFIDE COMPLEX INITIATED POLYMERIZATION OF CHROMIUM ACRYLATE. 31: 851-854.
- Chauhan, S; Jyoti, J; Sharma, K; Kumar, K. (2014). A conductance study to analyze the effect of organic solvents on micellization behavior of carbohydrate-surfactant system at variable temperatures. *Fluid Phase Equilibria*. 375: 286-292. <http://dx.doi.org/10.1016/j.fluid.2014.05.020>.

Fate Literature Search Results

Off Topic

- Chen, CM; Chang, CH. (2000). Surfactant concentration-dependent effects of pH on the interfacial properties of a splittable surfactant. *Ind Eng Chem Res.* 39: 3726-3731.
- Chen, D; Jin, X; Chen, J; Ye, J; Jiang, N; Chen, JM. (2016). Intermediates and substrate interaction of 1,4-dioxane degradation by the effective metabolizer *Xanthobacter flavus* DT8. *Int Biodeterior Biodegradation.* 106: 133-140. <http://dx.doi.org/10.1016/j.ibiod.2015.09.018>.
- Chen, DZ; Ding, YF; Zhou, YY; Ye, JX; Chen, JM. (2015). Biodegradation kinetics of tetrahydrofuran, benzene, toluene, and ethylbenzene as multi-substrate by *Pseudomonas oleovorans* DT4. *Int J Environ Res Public Health.* 12: 371-384. <http://dx.doi.org/10.3390/ijerph120100371>.
- Chen, H; Wang, CG; Liang, Y; Cai, HS. (2003). Kinetics of copolymerization of acrylonitrile with N-vinylpyrrolidone in H₂O/dimethyl sulphoxide mixture. *Chinese Journal of Chemical Engineering.* 11: 166-169.
- Chen, J; Chen, J; Liu, J, un; Zhao, S; Zheng, H; Gu, Y, ao. (2017). Coupled phase-reaction equilibrium for dihydromyrcene hydration system. *Fluid Phase Equilibria.* 433: 10-20. <http://dx.doi.org/10.1016/j.fluid.2016.11.007>.
- Chen, J, uis; Tu, S, hul; Tsay, RY, ug. (2010). A morphological study of porous polylactide scaffolds prepared by thermally induced phase separation. *Taiwan Institute of Chemical Engineers Journal.* 41: 229-238. <http://dx.doi.org/10.1016/j.jtice.2009.08.008>.
- Chen, JH, ua; Liu, QL, in; Zhang, X, iuHua; Zhang, Q, iuGen. (2007). Pervaporation and characterization of chitosan membranes cross-linked by 3-aminopropyltriethoxysilane. *J Memb Sci.* 292: 125-132. <http://dx.doi.org/10.1016/j.memsci.2007.01.026>.
- Chen, JH, ua; Liu, QL, in; Zhu, A, iMei; Zhang, Q, iuGen. (2008). Dehydration of acetic acid by pervaporation using SPEK-C/PVA blend membranes. *J Memb Sci.* 320: 416-422. <http://dx.doi.org/10.1016/j.memsci.2008.04.034>.
- Chen, JM; Zhou, YY; Chen, DZ; Jin, XJ. (2010). A newly isolated strain capable of effectively degrading tetrahydrofuran and its performance in a continuous flow system. *Bioresour Technol.* 101: 6461-6467. <http://dx.doi.org/10.1016/j.biortech.2010.03.064>.
- Chen, JY; Shimizu, Y; Takai, M; Hayashi, J. (1995). A METHOD FOR ISOLATION OF MILLED-WOOD LIGNIN INVOLVING SOLVENT SWELLING PRIOR TO ENZYME TREATMENT. *Wood Science and Technology.* 29: 295-306.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication and characterization of modified nanofibrous poly(L-lactic acid) scaffolds by thermally induced phase separation technique and aminolysis for promoting cytocompatibility. *J Biomater Sci Polym Ed.* 27: 1058-1068. <http://dx.doi.org/10.1080/09205063.2016.1180830>.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication of nanofibrous tubular scaffolds for bone tissue engineering. *Mater Lett.* 182: 289-293. <http://dx.doi.org/10.1016/j.matlet.2016.07.015>.
- Chen, SC; Zhang, Z, hiHui; Huang, K, unLin; Chen, Q, un; He, MY; Cui, A, iJun; Li, C; Liu, Q, i; Du, M. (2008). Solvent-controlled assembly of manganese(II) tetrachloroterephthalates with 1D chain, 2D layer, and 3D coordination Architectures. *Cryst Growth Des.* 8: 3437-3445. <http://dx.doi.org/10.1021/cg8003905>.
- Chen, T; Wang, B; Li, Y; Liu, L, ei; Qiu, S. (2015). Hydrothermal synthesis of tin containing mesoporous silicas and their catalytic performance over Baeyer-Villiger oxidation of cyclohexanone to epsilon-caprolactone: comparison of Sn/MCM-41 and Sn/SBA-15. *Journal of Porous Materials.* 22: 949-957. <http://dx.doi.org/10.1007/s10934-015-9968-y>.
- Chen, Y; Choi, S; Thompson, LT. (2016). Low temperature CO₂ hydrogenation to alcohols and hydrocarbons over Mo₂C supported metal catalysts. *J Catal.* 343: 147-156. <http://dx.doi.org/10.1016/j.jcat.2016.01.016>.
- Chen, YY; Yuan, XZ. (1994). SYNTHESIS AND PROPERTIES OF 1-(2-AMINOETHYL)PIPERAZINE RESIN USED IN THE SORPTION OF THE PLATINUM-GROUP AND GOLD IONS. 23: 165-172.
- Cheng, T; Zhang, G; Xia, Y; Ji, Q; Xiao, Y; Wang, X; Wang, M; Liu, R, ui; Qiu, B, ao; Chen, G; Chen, H; Sun, Z; Meng, JQ; Liu, Z; Xiao, T; Sun, LD; Yan, C; Cheng, Y. (2016). Template-free synthesis of titania architectures with controlled morphology evolution. *Journal of Materials Science.* 51: 3941-3956. <http://dx.doi.org/10.1007/s10853-015-9713-6>.
- Cheng, Y, aJun; Zhou, S; Wolkenhauer, M; Bumbu, GG; Lenz, S; Memesa, M; Nett, S; Emmerling, S; Steffen, W; Roth, SV; Gutmann, JS. (2015). Effect of Sol-Gel Reaction Time on the Morphology Transition in Mesoporous Titania/PS-b-PEO Composite Films. 7: 924-933. <http://dx.doi.org/10.1166/sam.2015.1957>.
- Chernyak, Y. (2006). Dielectric constant, dipole moment, and solubility parameters of some cyclic acid esters. *Journal of Chemical and Engineering Data.* 51: 416-418. <http://dx.doi.org/10.1021/jc050341y>.
- Chester, TL; Haynes, BS. (1997). Estimation of pressure-temperature critical loci of CO₂ binary mixtures with methyl-tert-butyl ether, ethyl acetate, methyl-ethyl ketone, dioxane and decane. *Journal of Supercritical Fluids.* 11: 15-20.
- Childs, SL; Hardcastle, KI. (2007). Cocrystals of piroxicam with carboxylic acids. *Cryst Growth Des.* 7: 1291-1304. <http://dx.doi.org/10.1021/cg060742p>.
- Chiou, CT; Kile, DE. (1994). EFFECTS OF POLAR AND NONPOLAR GROUPS ON THE STABILITY OF ORGANIC-COMPOUNDS IN SOIL ORGANIC-MATTER. *Environ Sci Technol.* 28: 1139-1144.
- Chitra, S; Paramasivan, K; Cheralathan, M; Sinha, PK. (2012). Degradation of 1,4-dioxane using advanced oxidation processes. *Environ Sci Pollut Res Int.* 19: 871-878. <http://dx.doi.org/10.1007/s11356-011-0619-9>.
- Choi, H, gyu; Yoon, SH; Son, M; Celik, E; Park, H; Choi, H. (2016). Efficacy of synthesis conditions on functionalized carbon nanotube blended cellulose acetate membrane for desalination. *Desalination and Water Treatment.* 57: 7545-7554. <http://dx.doi.org/10.1080/19443994.2015.1025582>.
- Choi, IH; Kim, IC; Min, BR; Lee, KH. (2006). Preparation and characterization of ultrathin alumina hollow fiber microfiltration membrane. *Desalination.* 193: 256-259. <http://dx.doi.org/10.1016/j.desal.2005.07.051>.
- Choi, JY; Lee, YJ; Shin, J; Yang, JW. (2010). Anodic oxidation of 1,4-dioxane on boron-doped diamond electrodes for wastewater treatment. *J Hazard Mater.* 179: 762-768. <http://dx.doi.org/10.1016/j.jhazmat.2010.03.067>.
- Choi, K; Tedder, DW. (1997). Molecular interactions in chloroform-diluent mixtures. *AIChE J.* 43: 196-211.

Fate Literature Search Results

Off Topic

- Choi, P, ilGyu; Ohno, T; Fukuhara, N; Masui, T; Imanaka, N. (2015). Catalytic liquid phase oxidation of 1,4-dioxane over a Pt/CeO₂-ZrO₂-Bi₂O₃/SBA-16 catalyst. 4: 71-75. <http://dx.doi.org/10.1007/s40145-015-0135-3>.
- Choucair, A; Eisenberg, A. (2003). Control of amphiphilic block copolymer morphologies using solution conditions. *Eur Phys J E Soft Matter*. 10: 37-44. <http://dx.doi.org/10.1140/epje/e2003-00002-5>.
- Choucair, A; Laviguer, C; Eisenberg, A. (2004). Polystyrene-*b*-poly(acrylic acid) vesicle size control using solution properties and hydrophilic block length. *Langmuir*. 20: 3894-3900. <http://dx.doi.org/10.1021/la035924p>.
- Choucair, A; Soo, PL; Eisenberg, A. (2005). Active loading and tunable release of doxorubicin from block copolymer vesicles. *Langmuir*. 21: 9308-9313. <http://dx.doi.org/10.1021/la050710o>.
- Choucair, AA; Kycia, AH; Eisenberg, A. (2003). Kinetics of fusion of polystyrene-*b*-poly(acrylic acid) vesicles in solution. *Langmuir*. 19: 1001-1008. <http://dx.doi.org/10.1021/la026187k>.
- Choudhari, SK; Premakshi, HG; Kariduraganavar, MY. (2016). Preparation and Pervaporation Performance of Chitosan-Poly(methacrylic acid) Polyelectrolyte Complex Membranes for Dehydration of 1,4-Dioxane. *Polymer Engineering and Science*. 56: 715-724. <http://dx.doi.org/10.1002/pen.24298>.
- Christoffers, J; Werner, T; Roessle, M. (2007). Cerium-catalyzed oxidative C-C bond forming reactions. *Catalysis Today*. 121: 22-26. <http://dx.doi.org/10.1016/j.cattod.2006.11.008>.
- Christou, G; Young, CL; Svejda, P. (1991). GAS-LIQUID CRITICAL-TEMPERATURES OF MIXTURES OF PROPANE, BUTANE, PENTANE, SULFUR-HEXAFLUORIDE, DICHLORODIFLUOROMETHANE AND CHLOROTRIFLUOROMETHANE WITH LESS VOLATILE COMPOUNDS OF A RANGE OF VARYING POLARITIES. *Fluid Phase Equilibria*. 67: 45-53.
- Chromiak, E. (2000). Impact of the aqueous-organic medium on the mobility of H₃O⁺ and OH⁻. *Przemysł Chemiczny*. 79: 133-+.
- Cibulka, I. (2013). Partial Molar Isentropic Compressions of Selected Cyclic Ethers at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. *Journal of Chemical and Engineering Data*. 58: 1249-1254. <http://dx.doi.org/10.1021/je301352v>.
- Cijo, MX; Basavaiah, K; Abdulrahman, SAM; Vinay, KB. (2011). SPECTROPHOTOMETRIC DETERMINATION OF REPAGLINIDE IN TABLETS BASED ON CHARGE-TRANSFER COMPLEXATION REACTION WITH CHLORANILIC ACID AND DICHLORO-DICYANO BENZOQUINONE. *Chemical Industry and Chemical Engineering Quarterly*. 17: 469-476. <http://dx.doi.org/10.2298/CICEQ110528033C>.
- Cilliers, JLL; Singleton, VL. (1991). CHARACTERIZATION OF THE PRODUCTS OF NONENZYMIC AUTOXIDATIVE PHENOLIC REACTIONS IN A CAFFEIC ACID MODEL SYSTEM. *J Agric Food Chem*. 39: 1298-1303.
- Cimpeanu, V; Parvulescu, V; Parvulescu, VI; Thompson, JM; Hardacre, C. (2006). Thioethers oxidation on dispersed Ta-silica mesoporous catalysts in ionic liquids. *Catalysis Today*. 117: 126-132. <http://dx.doi.org/10.1016/j.cattod.2006.05.021>.
- Ciobanu, M; Cojocaru, B; Teodorescu, C; Vasiliu, F; Coman, SM; Leitner, W; Parvulescu, VI. (2012). Heterogeneous amination of bromobenzene over titania-supported gold catalysts. *J Catal*. 296: 43-54. <http://dx.doi.org/10.1016/j.jcat.2012.09.002>.
- Ciocirlan, O; Croitoru, O; Luliant, O. (2014). Density and Refractive Index of Binary Mixtures of Two 1-Alkyl-3-methylimidazolium Ionic Liquids with 1,4-Dioxane and Ethylene Glycol. *Journal of Chemical and Engineering Data*. 59: 1165-1174. <http://dx.doi.org/10.1021/je400659p>.
- Ciocirlan, O; Iulian, O. (2008). Viscosity in dimethyl sulfoxide+1,4-dimethylbenzene system. *Rev Chim*. 59: 45-48.
- Cipolloni, M; Heynderickx, A; Maurel, F; Perrier, A; Jacquemin, D; Siri, O; Ortica, F; Favaro, G. (2011). Multiswitchable Acidichromic and Photochromic Bisdiarylethene. An Experimental and Theoretical Study. *J Phys Chem C*. 115: 23096-23106. <http://dx.doi.org/10.1021/jp205681p>.
- Clawson, GA; Blankenship, LJ; Rhame, JG; Wilkinson, DS. (1992). Nuclear enlargement induced by hepatocarcinogens alters ploidy. *Cancer Res*. 52: 1304-1308.
- Climont, MJ; Corma, A; Velty, A. (2004). Synthesis of hyacinth, vanilla, and blossom orange fragrances: the benefit of using zeolites and delaminated zeolites as catalysts. *Appl Catal A-Gen*. 263: 155-161. <http://dx.doi.org/10.1016/j.apcata.2003.12.007>.
- Cocchi, G; De Angelis, MG; Sadowski, G; Doghieri, F. (2014). Modelling polylactide/water/dioxane systems for TIPS scaffold fabrication. *Fluid Phase Equilibria*. 374: 1-8. <http://dx.doi.org/10.1016/j.fluid.2014.04.007>.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Degradation of 1,4-dioxane in water using TiO₂ based photocatalytic and H₂O₂/UV processes. *J Hazard Mater*. 146: 496-501. <http://dx.doi.org/10.1016/j.jhazmat.2007.04.049>.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Removal of contaminants of concern in water using advanced oxidation techniques. *Water Sci Technol*. 55: 301-306. <http://dx.doi.org/10.2166/wst.2007.421>.
- Colic, M; Fuerstenau, DW. (1997). Influence of the dielectric constant of the media on oxide stability in surfactant solutions. *Langmuir*. 13: 6644-6649.
- Comelli, F; Francesconi, R. (1992). Excess molar enthalpies and excess molar volumes of 1,2,4-trimethylbenzene plus cyclic ethers at 298.15-K. *Journal of Chemical and Engineering Data*. 37: 319-322.
- Comelli, F; Francesconi, R. (1996). Excess Molar Enthalpies and Excess Molar Volumes of Propionic Acid + Octane, + Cyclohexane, + 1,3,5-Trimethylbenzene, + Oxane, or + 1,4-Dioxane at 313.15 K. *Journal of Chemical and Engineering Data*. 41: 101-104. <http://dx.doi.org/10.1021/je950194b>.
- Commonwealth of Massachusetts. (2012). Standards and guidelines for contaminants in Massachusetts drinking water. Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs, Department of Environmental Protection, Office of Research and Standards. <http://www.mass.gov/dep/water/dwstand.pdf>.
- Congost, MA; Salvatierra, D; Marques, G; Bourdelande, JL; Font, J; Valiente, M. (1996). A novel phosphine sulphide functionalized polymer for the selective separation of Pd(II) and Au(III) from base metals. *React Funct Polym*. 28: 191-200.

Fate Literature Search Results

Off Topic

- Connecticut. (2012). Fact Sheet: 1,4-dioxane in well water [Fact Sheet]. Hartford, CT: Connecticut Department of Public Health. Environmental & Occupational Health Assessment Program. http://www.ct.gov/dph/lib/dph/environmental_health/eoha/pdf/1_4_dioxane.pdf.
- Contreras, M. (2001). Densities and viscosities of binary mixtures of 1,4-dioxane with 1-propanol and 2-propanol at (25, 30, 35, and 40) degrees C. *Journal of Chemical and Engineering Data*. 46: 1149-1152.
- Corma, A; Fornes, V; Iborra, S; Mifsud, M; Renz, M. (2004). One-pot synthesis of phenols from aromatic aldehydes by Baeyer-Villiger oxidation with H₂O₂ using water-tolerant Lewis acids in molecular sieves. *J Catal*. 221: 67-76. [http://dx.doi.org/10.1016/S0021-9517\(03\)00291-4](http://dx.doi.org/10.1016/S0021-9517(03)00291-4).
- Costa, VM; de Souza, MCM; Fechine, PBA; Macedo, AC; Goncalves, LRB. (2016). NANOBIOCATALYTIC SYSTEMS BASED ON LIPASE-Fe₃O₄ AND CONVENTIONAL SYSTEMS FOR ISONIAZID SYNTHESIS: A COMPARATIVE STUDY. *Brazilian Journal of Chemical Engineering*. 33: 661-673. <http://dx.doi.org/10.1590/0104-6632.20160333s20150137>.
- Cosut, B; Yesilot, S; Durmus, M; Kilic, A. (2013). Synthesis and fluorescence properties of hexameric and octameric subphthalocyanines based cyclic phosphazenes. *Dyes and Pigments*. 98: 442-449. <http://dx.doi.org/10.1016/j.dyepig.2013.03.028>.
- Cozzolino, M; Tesser, R; Di Serio, M; D'Onofrio, P; Santacesaria, E. (2007). Kinetics of the oxidative dehydrogenation (ODH) of methanol to formaldehyde by supported vanadium-based nanocatalysts. *Catalysis Today*. 128: 191-200. <http://dx.doi.org/10.1016/j.cattod.2007.06.072>.
- Crockford, RH; Willett, IR. (1995). DRYING AND OXIDATION EFFECTS ON THE MAGNETIC-PROPERTIES OF SULFIDIC MATERIAL DURING OXIDATION. *Aust J Soil Res*. 33: 19-29.
- Cui, J; Liu, A; Guan, Y; Zheng, J; Shen, Z; Wan, X. (2010). Tuning the helicity of self-assembled structure of a sugar-based organogelator by the proper choice of cooling rate. *Langmuir*. 26: 3615-3622. <http://dx.doi.org/10.1021/la903064n>.
- Cui, J; Shen, Z; Wan, X. (2010). Study on the gel to crystal transition of a novel sugar-appended gelator. *Langmuir*. 26: 97-103. <http://dx.doi.org/10.1021/la9021382>.
- Cui, J; Zheng, Y; Shen, Z; Wan, X. (2010). Alkoxy tail length dependence of gelation ability and supramolecular chirality of sugar-appended organogelators. *Langmuir*. 26: 15508-15515. <http://dx.doi.org/10.1021/la101494t>.
- Cui, P; Yin, Q; Gong, J; Wang, Y; Hao, H; Xie, C; Bao, Y; Zhang, M; Hou, B; Wang, J. (2013). Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. *Fluid Phase Equilibria*. 337: 354-362. <http://dx.doi.org/10.1016/j.fluid.2012.09.027>.
- Curvelo, AAS; Degroote, R; Montanari, S. (1992). DIOXANE LIGNINS FROM PINUS-CARIBAEA VAR HONDURENSIS .1. EFFECT OF CATALYST CONCENTRATION. 74: 324-327.
- da Silva Lirio, CF; Pellegrini Pessoa, FL; Cohen Uller, AM. (2013). Storage capacity of carbon dioxide hydrates in the presence of sodium dodecyl sulfate (SDS) and tetrahydrofuran (THF). *Chem Eng Sci*. 96: 118-123. <http://dx.doi.org/10.1016/j.ces.2012.10.022>.
- da Silva, TA; Mocchiutti, P; Zanuttini, MA; Ramos, LP. (2007). CHEMICAL CHARACTERIZATION OF PULP COMPONENTS IN UNBLEACHED SOFTWOOD KRAFT FIBERS RECYCLED WITH THE ASSISTANCE OF A LACCASE/HBT SYSTEM. *BioResources*. 2: 616-629.
- Dabbagh, AH; Mansoori, Y. (2002). New azoic dyes containing (1H)-tetrazole and azido group. *Dyes and Pigments*. 54: 37-46.
- Dabrowski, R; Urban, S. (1998). Dielectric studies of smectogenic dioxane mixtures revealing a nematic gap. *Liquid Crystals*. 24: 583-586.
- Dai, L, iyan; Shi, Q, iul; Zhang, J; Wang, XZ; Chen, Y, qi. (2013). Accelerated effect on Mitsunobu reaction via bis-N-tert-butoxycarbonylation protection of 2-amino-6-chloropurine and its application in a novel synthesis of penciclovir. *Journal of Zhejiang University- Science A*. 14: 760-766. <http://dx.doi.org/10.1631/jzus.A1300238>.
- Dai, M; Zhang, FQ; Li, HP; Zhao, JP. (1997). Excess enthalpies and excess volumes of N,N-dimethylethanolamine plus 1,4-dioxane, plus DMF, plus DMA or plus DMSO. *Fluid Phase Equilibria*. 138: 231-239.
- Dai, ZW; Zou, XH; Chen, GQ. (2009). Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) as an injectable implant system for prevention of post-surgical tissue adhesion. *Biomaterials*. 30: 3075-3083. <http://dx.doi.org/10.1016/j.biomaterials.2009.02.015>.
- Daneshfar, A, li; Baghlani, M; Sarabi, RS; Sahraei, R; Abassi, S; Kaviyan, H; Khezeli, T. (2012). Solubility of citric, rnalonic, and malic acids in different solvents from 303.2 to 333.2K. *Fluid Phase Equilibria*. 313: 11-15. <http://dx.doi.org/10.1016/j.fluid.2011.09.033>.
- Daniel, N; Srivastava, AK. (2002). Free radical copolymerization of styrene with vinyl acetate using p-acetylbenzylidene triphenylarsonium ylide as an initiator. *Advances in Polymer Technology*. 21: 108-115. <http://dx.doi.org/10.1002/adv.2000>.
- Das, K; Sarkar, N; Das, S; Bhattacharyya, K; Balasubramanian, D. (1995). FLUORESCENCE MONITORING OF THE HYDROPHOBIC SURFACE OF DEXTRIN USING P-TOLUIDINONAPHTHALENESULFONATE. *Langmuir*. 11: 2410-2413.
- Das, M; Roy, MN. (2006). Studies on thermodynamic and transport properties of binary mixtures of acetonitrile with some cyclic ethers at different temperatures by volumetric, viscometric, and interferometric techniques. *Journal of Chemical and Engineering Data*. 51: 2225-2232. <http://dx.doi.org/10.1021/je060311a>.
- Das, S; Naskar, B; Ghosh, S. (2014). Influence of temperature and organic solvents (isopropanol and 1,4-dioxane) on the micellization of cationic gemini surfactant (14-4-14). *Soft Matter*. 10: 2863-2875. <http://dx.doi.org/10.1039/c3sm52938j>.
- Dash, UN; Pattanaik, E; Sahu, R. (1991). SOLUTE SOLVENT INTERACTIONS - DISSOLUTION OF SPARINGLY SOLUBLE SILVER SALTS IN AQUEOUS ORGANIC-SOLVENT SYSTEMS. *Fluid Phase Equilibria*. 63: 101-110.
- Dassy, S; Wiame, H; Thyrion, FC. (1994). KINETICS OF THE LIQUID-PHASE SYNTHESIS AND HYDROLYSIS OF BUTYL LACTATE CATALYZED BY CATION-EXCHANGE RESIN. *J Chem Tech Biotechnol*. 59: 149-156.
- Davolio, F; Pedrosa, GC; Katz, M. (1981). VAPOR-LIQUID-EQUILIBRIUM FOR THE PARA-DIOXANE-ACETONITRILE SYSTEM AT 298.15-K. *Journal of Chemical and Engineering Data*. 26: 26-27.
- De Clercq, J; Van De Steene, E; Verbeken, K, im; Verhaege, M. (2010). Electrochemical oxidation of 1,4-dioxane at boron-doped diamond electrode. *J Chem Tech Biotechnol*. 85: 1162-1167. <http://dx.doi.org/10.1002/jctb.2415>.

Fate Literature Search Results

Off Topic

- De Fina, KM; Sharp, TL; Roy, LE; Acree, WE. (1999). Solubility of 8-hydroxybenzoic acid in select organic solvents at 298.15 K. *Journal of Chemical and Engineering Data*. 44: 1262-1264.
- de Gooijer, JM; Scheltus, M; Koning, CE. (2004). End group modification of polyamide-6 in supercritical and subcritical fluids - Part 2: Amine and carboxylic acid end group modification with 1,2-epoxybutane. *Journal of Supercritical Fluids*. 29: 153-164. [http://dx.doi.org/10.1016/S0896-8446\(03\)00067-6](http://dx.doi.org/10.1016/S0896-8446(03)00067-6).
- de Gooijer, JM; Scheltus, M; Losch, HW; Staudt, R; Meuldijk, J; Koning, CE. (2004). End group modification of polyamide-6 in supercritical and subcritical fluids - Part 1: Amine end group modification with succinic anhydride. *Journal of Supercritical Fluids*. 29: 129-152. [http://dx.doi.org/10.1016/S0896-8446\(03\)00066-4](http://dx.doi.org/10.1016/S0896-8446(03)00066-4).
- Deen, GR; Lim, E, uK; Mah, CH, ao; Heng, KM. (2012). New Cationic Linear Copolymers and Hydrogels of N-Vinyl Caprolactam and N-Acryloyl-N¹-ethyl Piperazine: Synthesis, Reactivity, Influence of External Stimuli on the LCST and Swelling Properties. *Ind Eng Chem Res*. 51: 13354-13365. <http://dx.doi.org/10.1021/ie301987m>.
- Delgado, DR; Romdhani, A; Martinez, F. (2012). Solubility of sulfamethizole in some propylene glycol plus water mixtures at several temperatures. *Fluid Phase Equilibria*. 322: 113-119. <http://dx.doi.org/10.1016/j.fluid.2012.03.014>.
- Delorenzi, L; Fermeglia, M; Torriano, G. (1995). DENSITIES AND VISCOSITIES OF 1,1,1-TRICHLOROETHANE WITH 13 DIFFERENT SOLVENTS AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 1172-1177.
- Delvalle, JC; Garcia, NA; Amatguerrri, F. (1993). EVIDENCE OF NONEMISSIVE PROTONATED FORMS IN METHYL-ESTERS OF ROSE-BENGAL AND EOSIN-Y IN ACIDIC MEDIUM. *Dyes and Pigments*. 22: 199-205.
- Deng, Y; Guo, Y; Qian, Y; Lou, H; Qiu, X. (2014). Effect of Temperature on a Lignin-based Polymer with Two Types of Microstructures. *BioResources*. 9: 6304-6315.
- Deng, Y; Zhang, Q, in; Zhang, H; Zhang, C; Wang, W; Gu, Y, i. (2014). Kinetics of 3,4-Dihydro-2H-3-phenyl-1,3-benzoxazine Synthesis from Mannich Base and Formaldehyde. *Ind Eng Chem Res*. 53: 1933-1939. <http://dx.doi.org/10.1021/ie402978s>.
- Denisova, GP; Ustinova, TP; Povolotskii, EG; Igonina, SV; Martynova, NY. (2002). Effect of the structure of cellulose acetate solutions on the morphological characteristics of ultrafiltration membranes. *Fibre Chemistry*. 34: 335-337.
- Derosa, CT; Wilbur, S; Holler, J; Richter, P; Stevens, YW. (1996). Health evaluation of 1,4-dioxane [Review]. *Toxicol Ind Health*. 12: 1-43. <http://dx.doi.org/10.1177/074823379601200101>.
- Destine, JN; Wang, J; Heitner, C; Manley, RSJ. (1996). The photodegradation of milled-wood lignin .1. The role of oxygen. *Journal of Pulp & Paper Science*. 22: J24-J30.
- Dettenmaier, EM; Doucette, WJ; Bugbee, B. (2009). Chemical hydrophobicity and uptake by plant roots. *Environ Sci Technol*. 43: 324-329. <http://dx.doi.org/10.1021/es801751x>.
- Devi, DA; Smitha, B; Sridhar, S; Aminabhavi, TM. (2006). Dehydration of 1,4-dioxane through blend membranes of poly(vinyl alcohol) and chitosan by pervaporation. *J Memb Sci*. 280: 138-147. <http://dx.doi.org/10.1016/j.memsci.2006.01.006>.
- Devi, KVS; Raju, BR; Rao, GN. (2010). Speciation of binary complexes of Ca(II), Mg(II) and Zn(II) with L-dopa in dioxane-water mixtures. *Chem Speciation Bioavailability*. 22: 191-199. <http://dx.doi.org/10.3184/095422910X12829312795432>.
- Devika, PD; Ramachandran, TP; Ananth, MS. (1992). ENTHALPY OF MIXING OF 5 BINARY-MIXTURES. 30: 612-614.
- Dewan, R; Datta, B; Roy, MC; Roy, MN. (2013). Ionic interplay of lithium salts in binary mixtures of acetonitrile and diethyl carbonate probed by physicochemical approach. *Fluid Phase Equilibria*. 358: 233-240. <http://dx.doi.org/10.1016/j.fluid.2013.08.022>.
- Dewitte, B; Patarin, J; Guth, JL; Chollet, T. (1997). Synthesis of mazzite-type zeolites in the presence of organic solvents: study of the structure directing role of p-dioxane. 10: 247-257.
- Dhathathreyan, A; Baskar, G; Ramasami, T. (2002). Interfacial organization of fluoropolymers in Langmuir films: Role of additives. *Langmuir*. 18: 4704-4708. <http://dx.doi.org/10.1021/la0111329g>.
- Dhennezel, O; Ollis, DF. (1997). Trichloroethylene-promoted photocatalytic oxidation of air contaminants. *J Catal*. 167: 118-126.
- Diaz-Calleja, R; Riande, E. (2004). Comparative study of mechanical and dielectric relaxations in polymers. *Mater Sci Eng A*. 370: 21-33. <http://dx.doi.org/10.1016/j.msea.2003.08.069>.
- Dietz, AC; Schnoor, JL. (2001). Advances in phytoremediation. *Environ Health Perspect*. 109: 163-168.
- Ding, F; Zhang, CF; Hu, XG. (2006). Passivating lithium electrodes with 1,4-dioxane. 35: 585-588.
- Dini, JW. (2005). The carcinogenic body. *Plat Surf Finish*. 92: 34-35.
- Dodangeh, M; Gharanjig, K; Arami, M. (2014). Synthesis, Characterization, and Photo-Physical Properties of Dendrimers Modified With 1,8-Naphthalimide Derivatives as Novel Fluorescent pH Sensors. *IEEE Sens J*. 14. <http://dx.doi.org/10.1109/JSEN.2014.2319293>.
- Domanka, U; Lachwa, J. (2005). (Solid plus liquid) phase equilibria of binary mixtures containing N-methyl-2-pyrrolidinone and ethers at atmospheric pressure. *Fluid Phase Equilibria*. 227: 135-143. <http://dx.doi.org/10.1016/j.fluid.2004.11.006>.
- Domanska, U; Moollan, WC; Letcher, TM. (1996). Solubility of sulfolane in selected organic solvents. *Journal of Chemical and Engineering Data*. 41: 261-265.
- Domanska, U; Sporzynski, A; Moollan, WC; Letcher, TM. (1996). Vapor-liquid equilibria of binary mixtures containing sulfolane. *Journal of Chemical and Engineering Data*. 41: 624-628.
- Donaldson, ME; Draucker, LC; Blasucci, V; Liotta, CL; Eckerta, CA. (2009). Liquid-liquid equilibria of polyethylene glycol (PEG) 400 and CO₂ with common organic solvents. *Fluid Phase Equilibria*. 277: 81-86. <http://dx.doi.org/10.1016/j.fluid.2008.11.003>.
- Dong, WT; Zhu, CS. (2000). Optical properties of UV dye PTP-doped silica film prepared by sol-gel process. *Mater Lett*. 45: 336-339.
- Donze, C; Korovchenko, P; Gallezot, P; Besson, M. (2007). Aerobic selective oxidation of (hetero) aromatic primary alcohols to aldehydes or carboxylic acids over carbon supported platinum. *Appl Catal B-Environ*. 70: 621-629. <http://dx.doi.org/10.1016/j.apcatb.2006.01.029>.

Fate Literature Search Results

Off Topic

- Dražević, E; Kosutić, K; Dananić, V; Pavlović, DM. (2013). Coating layer effect on performance of thin film nanofiltration membrane in removal of organic solutes. *Separation and Purification Technology*. 118: 530-539. <http://dx.doi.org/10.1016/j.seppur.2013.07.031>.
- Du, Y; Chen, X; Koh, YH, ag; Lei, B, o. (2014). Facilely fabricating PCL nanofibrous scaffolds with hierarchical pore structure for tissue engineering. *Mater Lett*. 122: 62-65. <http://dx.doi.org/10.1016/j.matlet.2014.02.031>.
- Duan, T; Fan, K, e; Fu, Y; Zhong, C; Chen, X; Peng, T; Qin, J. (2012). Triphenylamine-based organic dyes containing a 1,2,3-triazole bridge for dye-sensitized solar cells via a 'Click' reaction. *Dyes and Pigments*. 94: 28-33. <http://dx.doi.org/10.1016/j.dyepig.2011.11.008>.
- Duflos, G; Leduc, F; N'Guessan, A; Krzewinski, F; Kol, O; Malle, P. (2010). Freshness characterisation of whiting (*Merlangius merlangus*) using an SPME/GC/MS method and a statistical multivariate approach. *J Sci Food Agric*. 90: 2568-2575. <http://dx.doi.org/10.1002/jsfa.4122>.
- Dumitriu, E; Hulea, V; Fechet, I; Catrinescu, C; Auroux, A; Lacaze, JF; Guimon, C. (1999). Prins condensation of isobutylene and formaldehyde over Fe-silicates of MFI structure. *Appl Catal A-Gen*. 181: 15-28.
- Dworczak, R; Fabian, WMF. (2002). Electric field induced second harmonic generation (EFISH) measurements on absorbing compounds: push-pull substituted anilines. *Dyes and Pigments*. 53: 119-128.
- Dzhabiyeva, ZM; Belov, GP. (1992). SELECTIVE DIMERIZATION OF ETHYLENE TO BUT-1-ENE IN THE PRESENCE OF ETHER ADDITIVES. *Petroleum Chemistry*. 32: 170-176.
- Dziadek, M; Zagrajczuk, B; Ziabka, M; Dziadek, K; Cholewa-Kowalska, K. (2016). The role of solvent type, size and chemical composition of bioactive glass particles in modulating material properties of poly(epsilon-caprolactone) based composites. *Composites Part A: Applied Science and Manufacturing*. 90: 90-99. <http://dx.doi.org/10.1016/j.compositesa.2016.07.001>.
- Eberle, D; Ball, R; Boving, TB. (2016). Peroxone activated persulfate treatment of 1,4-dioxane in the presence of chlorinated solvent co-contaminants. *Chemosphere*. 144: 728-735. <http://dx.doi.org/10.1016/j.chemosphere.2015.08.063>.
- Ebralidze, I; Hanif, M; Arjumand, R; Azmi, AA; Dixon, D; Cann, NM; Crudden, CM; Horton, JH. (2012). Solvent Induced Adhesion Interactions between Dichlorotriazine Films. *J Phys Chem C*. 116: 4217-4223. <http://dx.doi.org/10.1021/jp211503x>.
- Echigo, S; Nakatsuji, M; Takabe, Y; Itoh, S. (2015). Effect of preozonation on wastewater reclamation by the combination of ozonation and soil aquifer treatment. *Water Science and Technology: Water Supply*. 15: 101-106. <http://dx.doi.org/10.2166/ws.2014.089>.
- Edmiston, PL; Underwood, LA. (2009). Absorption of dissolved organic species from water using organically modified silica that swells. *Separation and Purification Technology*. 66: 532-540. <http://dx.doi.org/10.1016/j.seppur.2009.02.001>.
- Edwards, MR; Hetu, MF; Columbus, M; Silva, A; Lefebvre, DD. (2011). The effect of ethylene glycol on the phytovolatilization of 1,4-dioxane. *Int J Phytoremediation*. 13: 702-716. <http://dx.doi.org/10.1080/15226514.2010.525553>.
- Elewa, MM; El-Shafei, AA; Moneer, AA; Naim, MM. (2016). Effect of cell hydrodynamics in desalination of saline water by sweeping air pervaporation technique using innovated membrane. *Desalination and Water Treatment*. 57: 23293-23307. <http://dx.doi.org/10.1080/19443994.2016.1173381>.
- Elgemeie, GH; Ahmed, KA; Ahmed, EA; Helal, MH; Masoud, DM. (2015). Microwave synthesis, photophysical properties of novel fluorescent iminocoumarins and their application in textile printing. *Pigment & Resin Technology*. 44: 87-93. <http://dx.doi.org/10.1108/PRT-04-2014-0029>.
- Elgemeie, GH; Ahmed, KA; Ahmed, EA; Helal, MH; Masoud, DM. (2016). A simple approach for the synthesis of coumarin fluorescent dyes under microwave irradiation and their application in textile printing. *Pigment & Resin Technology*. 45: 217-224. <http://dx.doi.org/10.1108/PRT-02-2015-0019>.
- El-Ghany, A; A., N. (2012). ORGANOSOLV PULPING OF COTTON LINTER. II. EFFECT OF DIOXANE AND ANTHRAQUINONE ON COTTON LINTER PROPERTIES. *Cellulose Chemistry and Technology*. 46: 137-145.
- Elhami-Kalvanagh, R; Shekaari, H; Kazempour, A. (2013). Effect of solvent on the volumetric behavior of N,N'-salicylidene phenyl diamine (Salophen) Schiff base at different temperatures (288.15-318.15) K. *Fluid Phase Equilibria*. 352: 22-27. <http://dx.doi.org/10.1016/j.fluid.2013.05.001>.
- Ellegaard, MD; Abildskov, J; O'Connell, JP. (2010). Molecular Thermodynamic Modeling of Mixed Solvent Solubility. *Ind Eng Chem Res*. 49: 11620-11632. <http://dx.doi.org/10.1021/ie101059y>.
- Elroudi, OM. (1995). Effect of the medium on the ionisation process of Tricine. *Ann Chim*. 85: 567-575.
- El-Roudi, OM; Abdel-Latif, SA. (2004). Effect of ionic strength, aquo-organic solvents, and temperature on the stabilities of N-[Tris(hydroxymethyl)methyl]glycine plus metal complexes. *Journal of Chemical and Engineering Data*. 49: 1193-1196. <http://dx.doi.org/10.1021/ie030228c>.
- Elroudi, OM; Alla, EMA; Ibrahim, SA. (1997). Potentiometric studies on the binary complexes of N-[tris(hydroxymethyl)methyl]glycine with Th⁴⁺, Ce³⁺, La³⁺ and UO₂²⁺ and medium effects on a Th-tricine binary complex. *Journal of Chemical and Engineering Data*. 42: 609-613.
- Elsabee, MZ; Ali, EA; Mokhtar, SM; Eweis, M. (2011). Synthesis, characterization polymerization and antibacterial properties of novel thiophene substituted acrylamide. *React Funct Polym*. 71: 1187-1194. <http://dx.doi.org/10.1016/j.reactfunctpolym.2011.08.006>.
- El-Sayed, SM; Arnaouty, MB; Fayek, SA. (2003). Effect of grafting, gamma irradiation and light exposure on optical and morphological properties of grafted low-density polyethylene films. *Polym Test*. 22: 17-23.
- El-Sedik, M; Almonasy, N; Nepras, M; Bures, F; Dvorak, M; Michl, M; Cermak, J; Hrdina, R. (2012). Synthesis, absorption and fluorescence properties of N-triazinyl derivatives of 2-aminoanthracene. *Dyes and Pigments*. 92: 1126-1131. <http://dx.doi.org/10.1016/j.dyepig.2011.08.018>.
- Elvassore, N; Bertuccio, A; Di Noto, V. (2002). On-line monitoring of volume expansion in gas-antisolvent processes by UV-vis spectroscopy. *Journal of Chemical and Engineering Data*. 47: 223-227. <http://dx.doi.org/10.1021/je010189+>.

Fate Literature Search Results

Off Topic

- Engle, JM; Lakshminarayanan, PS; Carroll, CN; Zakharov, LN; Haley, MM; Johnson, DW. (2011). Molecular Self Assembly: Solvent Guests Tune the Conformation of a Series of 2,6-Bis(2-anilinoethyl)pyridine-Based Ureas. *Cryst Growth Des.* 11: 5144-5152. <http://dx.doi.org/10.1021/cg201074v>.
- Enriquez, EP; Gray, KH; Guarisco, VF; Linton, RW; Mar, KD; Samulski, ET. (1992). BEHAVIOR OF RIGID MACROMOLECULES IN SELF-ASSEMBLY AT AN INTERFACE. *Journal of Vacuum Science and Technology A.* 10: 2775-2782.
- Enzmann, H; Kühlem, C; Löser, E; Bannasch, P. (1995). Dose dependence of diethylnitrosamine-induced nuclear enlargement in embryonal turkey liver. *Carcinogenesis.* 16: 1351-1355. <http://dx.doi.org/10.1093/carcin/16.6.1351>.
- Ernst, S; Glinski, J. (1977). COMPRESSIBILITY IN WATER-DIOXANE MIXTURES AS DEPENDENT ON CONCENTRATION AND TEMPERATURE. *Chem Tech (Leipzig).* 29: 51-54.
- Erol, I; Arslan, O. (2013). Copolymers of novel methacrylic and styrenic monomer based on the thiophene: synthesis, characterization, monomer reactivity ratios, thermal properties, and biological activity. *J Biomater Sci Polym Ed.* 24: 1198-1218. <http://dx.doi.org/10.1080/09205063.2012.745715>.
- Erol, I; Sahin, Z; Ozcan, L. (2013). Synthesis, Characterization, Biological Activity, and Thermal Stability of New Styrenic Polymer Having Pendant Ketone and Its Some Derivatives. *Polymer Engineering and Science.* 53: 1383-1393. <http://dx.doi.org/10.1002/pen.23402>.
- Erol, I; Soykan, C. (2003). Synthesis and characterization of new aryl-oxycarbonyl methyl methacrylate monomers and their polymers. *React Funct Polym.* 56: 147-157. [http://dx.doi.org/10.1016/S1381-5148\(03\)00052-X](http://dx.doi.org/10.1016/S1381-5148(03)00052-X).
- Erten, H; Soykan, C. (2014). Synthesis and characterization of novel poly (p-methyl styrene) containing azetidine moieties and their optical and semiconducting properties. *Materials Science in Semiconductor Processing.* 24: 83-89. <http://dx.doi.org/10.1016/j.mssp.2014.03.012>.
- Eshkiki, RB; Mortha, G; Lachenal, D. (2007). A new method for the titration of free phenolic groups in pulps. *Holzforschung.* 61: 242-246. <http://dx.doi.org/10.1515/HF.2007.039>.
- Eslamimanesh, A, li; Gharagheizi, F; Illbeigi, M; Mohammadi, AH; Fazlali, A; Richon, D. (2012). Phase equilibrium modeling of clathrate hydrates of methane, carbon dioxide, nitrogen, and hydrogen plus water soluble organic promoters using Support Vector Machine algorithm. *Fluid Phase Equilibria.* 316: 34-45. <http://dx.doi.org/10.1016/j.fluid.2011.11.029>.
- Esteves Costa, CA; Coleman, W; Dube, M; Rodrigues, AE; Rodrigues Pinto, PC. (2016). Assessment of key features of lignin from lignocellulosic crops: Stalks and roots of corn, cotton, sugarcane, and tobacco. *Ind Crop Prod.* 92: 136-148. <http://dx.doi.org/10.1016/j.indcrop.2016.07.032>.
- Esteves Costa, CA; Rodrigues Pinto, PC; Rodrigues, AE. (2015). Radar Tool for Lignin Classification on the Perspective of Its Valorization. *Ind Eng Chem Res.* 54: 7580-7590. <http://dx.doi.org/10.1021/acs.iecr.5b01859>.
- Eum, K, iWon; Gu, H; Lee, T, aeGyu; Choe, J; Lee, K; Song, KH, o. (2013). Liquid-Liquid Equilibria for the Ternary Systems of Perfluorohexane plus Methyl Nonafluorobutyl Ether plus Toluene,+1,4-Dioxane, or plus Dimethylformamide at 298.15 K. *Journal of Chemical and Engineering Data.* 58: 915-919. <http://dx.doi.org/10.1021/jc301149f>.
- Eusterbrock, L; Lehmann, J; Ziegler, G. (2003). Analysis of pyrolysis products during thermal decomposition of organic components in ceramic green bodies. 80: E33-E39.
- Even-Ezra, I; Mizrahi, A; Gerrity, D; Snyder, S; Salveson, A; Lahav, O, ri. (2009). Application of a novel plasma-based advanced oxidation process for efficient and cost-effective destruction of refractory organics in tertiary effluents and contaminated groundwater. *Desalination and Water Treatment.* 11: 236-244. <http://dx.doi.org/10.5004/dwt.2009.807>.
- Evtuguin, DV; Amado, FML. (2003). Application of Electrospray ionization mass spectrometry to the elucidation of the primary structure of lignin. *Macromol Biosci.* 3: 339-343. <http://dx.doi.org/10.1002/mabi.200350006>.
- Evtuguin, DV; Neto, CP; Silva, AMS; Domingues, PM; Amado, FML; Robert, D; Faix, O. (2001). Comprehensive study on the chemical structure of dioxane lignin from plantation Eucalyptus globulus wood. *J Agric Food Chem.* 49: 4252-4261. <http://dx.doi.org/10.1021/jf010315d>.
- EWG. (2012). EWG research shows 22 percent of all cosmetics may be contaminated with cancer-causing impurity [Website]. Retrieved from <http://www.ewg.org/news/news-releases/2007/02/08/ewg-research-shows-22-percent-all-cosmetics-may-be-contaminated-cancer>
- Fabrizi, P; Cannillo, V; Sola, A; Dorigato, A; Chiellini, F. (2010). Highly porous polycaprolactone-45S5 Bioglass (R) scaffolds for bone tissue engineering. *Compos Sci Tech.* 70: 1869-1878. <http://dx.doi.org/10.1016/j.compscitech.2010.05.029>.
- Fabos, V; Lui, MY; Mui, Y, iuF; Wong, YY, an; Mika, LT; Qi, L; Csefalvay, E; Kovacs, V; Szucs, T; Horvath, IT. (2015). Use of Gamma-Valerolactone as an Illuminating Liquid and Lighter Fluid. 3: 1899-1904. <http://dx.doi.org/10.1021/acssuschemeng.5b00465>.
- Fachaux, JM; Guyothermann, AM; Guyot, JC; Conflant, P; Drache, M; Veessler, S; Boistelle, R. (1995). PURE PARACETAMOL FOR DIRECT COMPRESSION .1. DEVELOPMENT OF SINTERED-LIKE CRYSTALS OF PARACETAMOL. *Powder Technology.* 82: 123-128.
- Faix, O; Stevanovicjanezic, T; Lundquist, K. (1994). THE LIGNIN OF THE DIFFUSE POROUS ANGIOSPERM TREE TRIPLOCHYTON-SCLEROXYLON SCHUM,K. WITH LOW SYRINGYL CONTENT. *Journal of Wood Chemistry and Technology.* 14: 263-278.
- Falciola, L; Greggio, P; Mussini, PR; Mussini, T. (2004). The cosolvent effect on the transport parameters of HCl in aqueous plus organic solvent mixtures. *Journal of Chemical and Engineering Data.* 49: 1565-1573. <http://dx.doi.org/10.1021/jc034244l>.
- Falco, EE; Coates, EE; Li, E; Roth, JS; Fisher, JP. (2011). Fabrication and characterization of porous EH scaffolds and EH-PEG bilayers. *J Biomed Mater Res A.* 97: 264-271. <http://dx.doi.org/10.1002/jbm.a.33052>.
- Fan, Y; Gao, J; Chen, Y, ao. (2010). Colour responses of black locust (*Robinia pseudoacacia* L.) to solvent extraction and heat treatment. *Wood Science and Technology.* 44: 667-678. <http://dx.doi.org/10.1007/s00226-009-0289-7>.
- Fang, D; Jiao, C, mei; Zhang, H, uabin; Ji, B, aohua. (2010). Synthesis of dioxanes via Prins reaction catalyzed by acyclic acidic ionic liquids. *J Ind Eng Chem.* 16: 233-237. <http://dx.doi.org/10.1016/j.jiec.2010.01.057>.
- Fang, JH; Yang, KF; Hu, FT. (2005). Copolymerization of maleic anhydride and norbornene catalyzed by Fe(acac)(3)-Al(i-Bu)(3)-CCl4. *Chinese journal of catalysis.* 26: 1113-1116.

Fate Literature Search Results

Off Topic

- Fang, YJ; Zhou, P. (2006). Study on reactive extraction kinetics of 1,3-propanediol in dilute aqueous solutions. *Separation Science and Technology*. 41: 329-340. <http://dx.doi.org/10.1080/01496390500460666>.
- Farghaly, TA, bdEIR; Abdallah, MA; Mahmoud, HK. (2015). Synthesis of novel 1,2,4-triazoles and triazolo-thiadiazines as anticancer agents. *Turkish Journal of Chemistry*. 39: 955-969. <http://dx.doi.org/10.3906/kim-1504-13>.
- Fasching, M; Schroeder, P; Wollboldt, RP; Weber, HK; Sixta, H. (2008). A new and facile method for isolation of lignin from wood based on complete wood dissolution. *Holzforschung*. 62: 15-23. <http://dx.doi.org/10.1515/HF.2008.003>.
- Fasi, A; Gomory, A; Palinko, I; Kiricsi, I. (2001). Isomerization and dimerization reactions of methyloxirane over various types of zeolite and zeotype. *J Catal*. 200: 340-344. <http://dx.doi.org/10.1006/jcat.2001.3186>.
- Fasi, A; Palinko, I; Kiricsi, I. (1999). Ring-opening and dimerization reactions of methyl- and dimethyloxiranes on HZSM-5 and CuZSM-5 zeolites. *J Catal*. 188: 385-392.
- Fasi, A; Palinko, I; Kiricsi, I. (1999). Ring-opening and dimerization reactions of methyl-substituted oxiranes on HZSM-5 zeolite. *Stud Surf Sci Catal*. 125: 391-398.
- Fayek, SA; El Sayed, SM; El-Arnaouty, MB. (2000). Study the effect of gamma irradiation on optical and morphological properties of grafted low density polyethylene. *Polym Test*. 19: 435-443.
- Fazary, AE. (2005). Thermodynamic studies on the protonation equilibria of some hydroxamic acids in NaNO₃ solutions in water and in mixtures of water and dioxane. *Journal of Chemical and Engineering Data*. 50: 888-895. <http://dx.doi.org/10.1021/je0496185>.
- Fazary, AE. (2013). Ionic Strength Dependence of Four Stepwise Protonation Constants for Folic Acid in Different Aqueous Solutions of Dioxane. *Journal of Chemical and Engineering Data*. 58: 2219-2223. <http://dx.doi.org/10.1021/je4002569>.
- Fazary, AE; Ibrahim, SE; Ju, YH. (2009). Medium Effects on the Protonation Equilibria of L-Norvaline. *Journal of Chemical and Engineering Data*. 54: 2532-2537. <http://dx.doi.org/10.1021/je9001015>.
- FDA. (2006). Food additives permitted for direct addition to food for human consumption; glycerides and polyglycerides (pp. 75-76). (21 CFR 172.736). Food and Drug Administration. http://edocket.access.gpo.gov/cfr_2006/aprqr/pdf/21cfr172.736.pdf.
- Fei, D; Xingtio, H; Yuwen, L. (2007). Improvement of lithium interface stability with 1,4-dioxane pretreatment. *Journal of Wuhan University of Technology--Materials Science Edition*. 22: 494-498. <http://dx.doi.org/10.1007/s11595-006-3494-3>.
- Fernandez, F; Quigley, RM. (1991). CONTROLLING THE DESTRUCTIVE EFFECTS OF CLAY ORGANIC LIQUID INTERACTIONS BY APPLICATION OF EFFECTIVE STRESSES. *Canadian Geotechnical Journal*. 28: 388-398.
- Ferro, AM; Kennedy, J; Larue, JC. (2013). Phytoremediation of 1,4-dioxane-containing recovered groundwater. *Int J Phytoremediation*. 15: 911-923. <http://dx.doi.org/10.1080/15226514.2012.687018>.
- Ferro, AM; Tammi, CE. (2009). Field note: irrigation of tree stands with groundwater containing 1,4-dioxane. *Int J Phytoremediation*. 11: 425-440. <http://dx.doi.org/10.1080/15226510802655914>.
- Fettouhi, A; Thomsen, K, aj. (2010). Solid-liquid equilibria for binary and ternary systems with the Cubic-Plus-Association (CPA) equation of state. *Fluid Phase Equilibria*. 293: 121-129. <http://dx.doi.org/10.1016/j.fluid.2010.02.017>.
- Fezei, R; Hammi, H; M'nif, A. (2011). Magnesium chloride precipitation from mixed salt solution using 1,4-dioxane. *Chem Eng Res Des*. 89: 367-372. <http://dx.doi.org/10.1016/j.cherd.2010.06.007>.
- Fezei, R; Hammi, H; M'nif, A. (2015). Magnesium chloride precipitation from mixed salt solution using 1,4-dioxane: Optimizing the recovery and purity. *Int J Miner Process*. 144: 16-20. <http://dx.doi.org/10.1016/j.minpro.2015.09.003>.
- Fishbein, L. (1981). Carcinogenicity and mutagenicity of solvents I Glycidyl ethers, dioxane, nitroalkanes, dimethylformamide and allyl derivatives [Review]. *Sci Total Environ*. 17: 97-110.
- Fisher, J; Mahle, D; Bankston, L; Greene, R; Gearhart, J. (1997). Lactational transfer of volatile chemicals in breast milk. *Am Ind Hyg Assoc J*. 58: 425-431. <http://dx.doi.org/10.1080/15428119791012667>.
- Flores, P; Rezende, MC; Jara, F. (2004). A solvatochromic derivative of Meldrum's. *Dyes and Pigments*. 62: 277-281. [http://dx.doi.org/10.1016/S0143-7208\(03\)00238-9](http://dx.doi.org/10.1016/S0143-7208(03)00238-9).
- Foks, J; Luszczek, M. (1993). EFFECT OF TEMPERATURE AND SUPERSATURATION ON THE CRYSTALLIZATION OF POLYETHYLENE ADIPATE FROM DIOXANE SOLUTIONS. *J Cryst Growth*. 134: 347-352.
- Fonseca, JMS; Dohrn, R; Wolf, A; Bachmann, R. (2012). The solubility of carbon dioxide and propylene oxide in polymers derived from carbon dioxide. *Fluid Phase Equilibria*. 318: 83-88. <http://dx.doi.org/10.1016/j.fluid.2012.01.021>.
- Fontalvo, J; Vorstman, MAG; Wijers, JG; Keurentjes, JTF. (2006). Heat supply and reduction of polarization effects in pervaporation by two-phase feed. *J Memb Sci*. 279: 156-164. <http://dx.doi.org/10.1016/j.memsci.2005.11.047>.
- Forti, FL; Bet, MR; Goissis, G; Plepis, AM. (2011). 1,4-Dioxane enhances properties and biocompatibility of polyanionic collagen for tissue engineering applications. *J Mater Sci Mater Med*. 22: 1901-1912. <http://dx.doi.org/10.1007/s10856-011-4358-8>.
- Forti, FL; Goissis, G; Plepis, AM. (2006). Modifications on collagen structures promoted by 1,4-dioxane improve thermal and biological properties of bovine pericardium as a biomaterial. *J Biomater Appl*. 20: 267-285. <http://dx.doi.org/10.1177/0885328206054048>.
- Fowle, SE; Constantine, CE; Fone, D; McCloskey, B. (1996). An epidemiological study after a water contamination incident near Worcester, England in April 1994. *J Epidemiol Community Health*. 50: 18-23.
- Frahm, D; Hoffmann, F; Froeba, M. (2014). Two Metal-Organic Frameworks with a Tetratopic Linker: Solvent-Dependent Polymorphism and Postsynthetic Bromination. *Cryst Growth Des*. 14: 1719-1725. <http://dx.doi.org/10.1021/cg4018536>.
- Francesconi, R; Castellari, C; Comelli, F. (2001). Excess molar enthalpies and excess molar volumes of binary mixtures containing 1,3-dioxolane or 1,4-dioxane plus pine resins at (298.15 and 313.15) K and at atmospheric pressure. *Journal of Chemical and Engineering Data*. 46: 577-581. <http://dx.doi.org/10.1021/je000337g>.

Fate Literature Search Results

Off Topic

- Francesconi, R; Comelli, F. (1992). EXCESS-ENTHALPIES AND EXCESS VOLUMES OF BINARY-MIXTURES CONTAINING TOLUENE + CYCLIC ETHERS AT 298.15 K. *Journal of Chemical and Engineering Data*. 37: 230-232.
- Francesconi, R; Comelli, F. (1993). DENSITIES AND EXCESS MOLAR VOLUMES OF 2,2,4-TRIMETHYLPENTANE PLUS LINEAR AND CYCLIC ETHERS AT 298.15-K. *Journal of Chemical and Engineering Data*. 38: 571-573.
- Francesconi, R; Comelli, F. (1995). EXCESS MOLAR ENTHALPIES AND EXCESS MOLAR VOLUMES OF PROPYLENE CARBONATE PLUS CYCLIC ETHERS. *Journal of Chemical and Engineering Data*. 40: 31-33.
- Francesconi, R; Comelli, F. (1995). EXCESS MOLAR VOLUMES OF BINARY-MIXTURES CONTAINING DIETHYL CARBONATE PLUS LINEAR AND CYCLIC ETHERS AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 512-514.
- Francesconi, R; Comelli, F. (1991). EXCESS ENTHALPY OF BINARY-SYSTEMS OF HALOTHANE + CYCLIC ETHERS. *Journal of Chemical and Engineering Data*. 36: 288-289.
- Franke, C; Studinger, G; Berger, G; Böbling, S; Bruckmann, U; Cohors-Fresenborg, D; Jöhncke, U. (1994). The assessment of bioaccumulation. *Chemosphere*. 29: 1501-1514. [http://dx.doi.org/10.1016/0045-6535\(94\)90281-X](http://dx.doi.org/10.1016/0045-6535(94)90281-X).
- Frassoldati, A; Pinel, C; Besson, M. (2011). Promoting effect of water for aliphatic primary and secondary alcohol oxidation over platinum catalysts in dioxane/aqueous solution media. *Catalysis Today*. 173: 81-88. <http://dx.doi.org/10.1016/j.cattod.2011.02.058>.
- Frassoldati, A; Pinel, C; Besson, M. (2013). Aerobic oxidation of secondary pyridine-derivative alcohols in the presence of carbon-supported noble metal catalysts. *Catalysis Today*. 203: 133-138. <http://dx.doi.org/10.1016/j.cattod.2012.01.012>.
- Frey, JG; Grose, RI; Hendra, PJ; Jawhari, T; Maddams, WF; Cudby, MEA. (1991). A FURTHER STRUCTURAL EXAMINATION OF PVC GELS. *Mater Lett*. 11: 105-108.
- Frydrych, M; Román, S; Macneil, S; Chen, B. (2015). Biomimetic poly(glycerol sebacate)/poly(L-lactic acid) blend scaffolds for adipose tissue engineering. *Acta Biomater*. 18: 40-49. <http://dx.doi.org/10.1016/j.actbio.2015.03.004>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. *J Biomed Mater Res B Appl Biomater*. 86: 125-135. <http://dx.doi.org/10.1002/jbm.b.30997>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. *J Biomed Mater Res B Appl Biomater*. 86: 514-522. <http://dx.doi.org/10.1002/jbm.b.31051>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze-cast hydroxyapatite scaffolds for bone tissue engineering applications. 3: 025005. <http://dx.doi.org/10.1088/1748-6041/3/2/025005>.
- Fujii, T; Shimizu, K; Sudo, K; Katsube, K; Kategaru, Y. (1992). CHARACTERIZATION OF AUTOHYDROLYZED WOODS OF 5 CULTIVATED LEGUMES. 38: 786-795.
- Fujisawa, S; Okita, Y; Saito, T; Togawa, E; Isogai, A. (2011). Formation of N-acylureas on the surface of TEMPO-oxidized cellulose nanofibril with carbodiimide in DMF. *Cellulose*. 18: 1191-1199. <http://dx.doi.org/10.1007/s10570-011-9578-z>.
- Fukushima, RS; Hatfield, RD. (2001). Extraction and isolation of lignin for utilization as a standard to determine lignin concentration using the acetyl bromide spectrophotometric method. *J Agric Food Chem*. 49: 3133-3139. <http://dx.doi.org/10.1021/jf010449r>.
- Fukushima, RS; Hatfield, RD. (2003). Nuclear magnetic resonance spectra of two types of lignin. *Pesqui Agropecu Bras*. 38: 505-511.
- Fukushima, RS; Hatfield, RD. (2003). Phenolic composition of dioxane lignins as determined by nitrobenzene oxidative reaction. *Pesqui Agropecu Bras*. 38: 373-378.
- Fukushima, RS; Hatfield, RD. (2004). Comparison of the acetyl bromide spectrophotometric method with other analytical lignin methods for determining lignin concentration in forage samples. *J Agric Food Chem*. 52: 3713-3720. <http://dx.doi.org/10.1021/jf035497l>.
- Fukushima, RS; Kerley, MS. (2011). Use of lignin extracted from different plant sources as standards in the spectrophotometric acetyl bromide lignin method. *J Agric Food Chem*. 59: 3505-3509. <http://dx.doi.org/10.1021/jf104826n>.
- Gadzinowski, M; Slomkowski, S; Elaissari, A; Pichot, C. (2000). Phase transfer and characterization of poly(epsilon-caprolactone) and poly(L-lactide) microspheres. *J Biomater Sci Polym Ed*. 11: 459-480.
- Gaikwad, A. (2011). Transport of Indium, Gallium and Thallium Metal Ions Through Chromatographic Fiber Supported Solid Membrane in Acetylacetone Containing Mixed Solvents. *Chinese Journal of Chemical Engineering*. 19: 955-963.
- Gaikwad, AG. (2011). Transport of Metal Ions through Cellulose Fiber Supported Solid Membrane into Tributyl Phosphate Containing Mixed Solvents. *Chemical and Biochemical Engineering Quarterly*. 25: 425-431.
- Galkin, S; Ammalahti, E; Kilpelainen, I; Brunow, G; Hatakka, A. (1997). Characterisation of milled wood lignin from reed canary grass (*Phalaris arundinacea*). *Holzforschung*. 51: 130-134.
- Galletti, GC; Piccaglia, R. (1991). EVALUATION OF LIGNIN PREPARATIONS FROM LIGNOCELLULOSICS BY HPLC/ELECTROCHEMICAL DETECTION OF PHENOLICS. *J Agric Food Chem*. 39: 490-493.
- Gamys, C, eG; Beyou, E; Bourgeat-Lami, E; David, L; Oberdisse, J. (2012). SAXS and SANS characterization of gelable polystyrene-b-poly(acryloxy propyl triethoxysilane) (PS-b-PAPTES) diblock copolymer micelles before and after hydrolysis-condensation. *Soft Matter*. 8: 6564-6572. <http://dx.doi.org/10.1039/c2sm25412c>.
- Gan, X; Wang, Y; Ge, X; Li, W, ei; Zhang, X; Zhu, W; Zhou, H; Wu, J; Tian, Y. (2015). Triphenylamine isophorone derivatives with two photon absorption: Photo-physical property, DFT study and bio-imaging. *Dyes and Pigments*. 120: 65-73. <http://dx.doi.org/10.1016/j.dyepig.2015.04.007>.
- Gander, B; Wehrli, E; Alder, R; Merkle, HP. (1995). Quality improvement of spray-dried, protein-loaded D,L-PLA microspheres by appropriate polymer solvent selection. *J Microencapsul*. 12: 83-97. <http://dx.doi.org/10.3109/02652049509051129>.
- Gao, P; Zhang, C; Wen, G. (2015). Equivalent circuit model analysis on electrochemical impedance spectroscopy of lithium metal batteries. *J Power Sources*. 294: 67-74. <http://dx.doi.org/10.1016/j.jpowsour.2015.06.032>.

Fate Literature Search Results

Off Topic

- Garcia, R; Triboulot, MC; Merlin, A; Deglise, X. (2000). Variation of the viscoelastic properties of wood as a surface finishes substrate. *Wood Science and Technology*. 34: 99-107.
- Gaskell, BA. (1990). Nonneoplastic changes in the olfactory epithelium-- experimental studies [Review]. *Environ Health Perspect*. 85: 275-289.
- Gaspar, A; Evtuguin, DV; Neto, CP. (2004). Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. *Holzforschung*. 58: 640-649. <http://dx.doi.org/10.1515/HF.2004.118>.
- Gawronska, E; Dordain, L; Coxam, JY; Quint, J. R.; Grolier, JPE. (1995). EXCESS VOLUMES OF BINARY-MIXTURES OF 1,4-DIOXANE WITH HEPTANE, TETRADECANE, AND CYCLOHEXANE AT 323, 350, AND 364 K AND AT PRESSURES AROUND 7, 17, AND 22 MPA. *Journal of Chemical and Engineering Data*. 40: 1257-1261.
- Ge, ML, an; Wang, L, iS. (2008). Activity coefficients at infinite dilution of polar solutes in 1-butyl-3-methylimidazolium trifluoromethanesulfonate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 846-849. <http://dx.doi.org/10.1021/je700560s>.
- Ge, ML, an; Wang, L, iS; Wu, J, unS; Zhou, Q. (2008). Activity coefficients at infinite dilution of organic solutes in 1-ethyl-3-methylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 1970-1974. <http://dx.doi.org/10.1021/je800218g>.
- Ge, ML, an; Wu, J, unS; Wang, MH, ui; Wang, L, iS. (2008). Activity coefficients at infinite dilution of polar solutes in 1-propyl-2,3-dimethylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 871-873. <http://dx.doi.org/10.1021/je700640r>.
- Gehring, P; Matschiner, H. (1998). Radiation induced pollutant decomposition in water. *Water Sci Technol*. 37: 195-201.
- Geiss, KT; Frazier, JM. (2001). In vitro toxicities of experimental jet fuel system ice-inhibiting agents. *Sci Total Environ*. 274: 209-218.
- Geng, ZC; Xu, F; Sun, J, inXia; Liu, CF, u; Ren, J, uLi; Sun, R, unC; Lin, L, u; He, B, eiKai; Lu, Q, i. (2006). Quantitative determination of phenolic acids in the cell walls of shrubs and poplar wood. *Cellulose Chemistry and Technology*. 40: 173-180.
- Gerrity, D; Gamage, S; Jones, D; Korshin, GV; Lee, Y; Pisarenko, A; Trenholm, RA; von Gunten, U; Wert, EC; Snyder, SA. (2012). Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. *Water Res*. 46: 6257-6272. <http://dx.doi.org/10.1016/j.watres.2012.08.037>.
- Ghafoori, S; Mehrvar, M; Chan, P. (2014). OPTIMISATION OF PHOTO-FENTON-LIKE DEGRADATION OF AQUEOUS POLYACRYLIC ACID USING BOX-BEHNKEN EXPERIMENTAL DESIGN. *Can J Chem Eng*. 92: 97-108. <http://dx.doi.org/10.1002/cjce.21849>.
- Gharib, F; Mollaie, M. (1999). Complexation of leucine by dioxovanadium(V) in mixed solvent systems. *Journal of Chemical and Engineering Data*. 44: 77-82.
- Ghosh, P; Samanta, AN; Ray, S. (2010). Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by H₂O₂/Fe(II) system. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 45: 395-399. <http://dx.doi.org/10.1080/10934520903538954>.
- Gidwani, MS; Menon, SK; Agrawal, YK. (2003). Fluorescence and lasing characteristics of fluorescein calix[4]aryl hydroxamic acid. *Indian J Chem Tech*. 10: 519-524.
- Gilardi, G; Cass, AEG. (1993). ASSOCIATIVE AND COLLOIDAL BEHAVIOR OF LIGNIN AND IMPLICATIONS FOR ITS BIODEGRADATION IN-VITRO. *Langmuir*. 9: 1721-1726.
- Giner, B; Martin, S; Haro, M; Artigas, H; Lafuente, C. (2005). Experimental and predicted vapor-liquid equilibrium for cyclic ethers with 1-chloropentane. *Ind Eng Chem Res*. 44: 6981-6988. <http://dx.doi.org/10.1021/ie0503388>.
- Giner, B; Villares, A, na; Martin, S; Lafuente, C; Royo, FM. (2007). Isothermal vapour-liquid equilibrium for cyclic ethers with 1-chloropentane. *Fluid Phase Equilibria*. 251: 8-16. <http://dx.doi.org/10.1016/j.fluid.2006.10.024>.
- Giner, I; Montano, D; Haro, M; Artigas, H; Lafuente, C. (2009). Study of isobaric vapour-liquid equilibrium of some cyclic ethers with 1-chloropropane: Experimental results and SAFT-VR modelling. *Fluid Phase Equilibria*. 278: 62-67. <http://dx.doi.org/10.1016/j.fluid.2009.01.010>.
- Girotti, S; Maiolini, E; Bolelli, L; Ferri, E; Piccolo, M; Camanzi, L; Pompei, A. (2011). Bioremediation of hydrocarbons contaminated waters and soils: monitoring by luminescent bacteria test. *Int J Environ Anal Chem*. 91: 900-909. <http://dx.doi.org/10.1080/03067310903411004>.
- Glavchev, I; Nikolov, RN; Valchev, P. (2003). Determination of evaporation rates of mixed solvents with the formation of thin films for membranes. *Polym Test*. 22: 529-532. [http://dx.doi.org/10.1016/S0142-9418\(02\)00147-2](http://dx.doi.org/10.1016/S0142-9418(02)00147-2).
- Glazko, IL; Gur'yanova, OP; Levanova, SV; Sokolov, AB. (2010). Kinetic characteristics of the manufacture of esters from isoprene production waste. *Petroleum Chemistry*. 50: 395-401. <http://dx.doi.org/10.1134/S0965544110050130>.
- Gluchowski, S. (1984). ON THE USE OF DIOXANE-WATER MIXTURE IN THE STUDIES ON WATER TREEING. 19: 362-363.
- Glushchenko, VN. (1994). IMPACTS OF WATER-SOLUBLE NONELECTROLYTES, PRESENT IN-PROCESS FLUID-FLOWS, ON BED TREATMENT QUALITY. 38-42.
- Gonchakova, NN; Ivanova, NG; Kitayev, LY; Novikova, LA; Kubasov, AA; Sharf, VZ; Topchiyeva, KV. (1981). CATALYTIC ACTIVITY OF BORON PHOSPHATE CATALYSTS IN THE PREPARATION OF ISOPRENE FROM 4,4-DIMETHYL-1,3-DIOXANE. *Petroleum Chemistry*. 21: 133-142.
- Gong, SH; Penzkofer, A. (1999). Two-photon absorption and two-photon-induced absorption of some organic liquids at 347.15 nm. *Optical and Quantum Electronics*. 31: 269-290.
- Gong, Y; Ma, Z; Zhou, Q; Li, J, un; Gao, C; Shen, J. (2008). Poly(lactic acid) scaffold fabricated by gelatin particle leaching has good biocompatibility for chondrogenesis. *J Biomater Sci Polym Ed*. 19: 207-221.
- Gonzalez, JA; Mozo, I; Garcia, I; Fuente, DL; Cobos, JC; Durov, VA. (2006). Thermodynamics of 1-alkanol plus cyclic ether mixtures. *Fluid Phase Equilibria*. 245: 168-184. <http://dx.doi.org/10.1016/j.fluid.2006.05.003>.

Fate Literature Search Results

Off Topic

- Gonzalez, L; Ferrando, F; Ramis, X; Maria Salla, J; Mantecon, A, na; Serra, A. (2009). Characterization of new reworkable thermosetting coatings obtained by cationic and anionic curing of DGEBA and some Meldrum acid derivatives. *Progr Org Coating*. 65: 175-181. <http://dx.doi.org/10.1016/j.porgcoat.2008.10.007>.
- Goonasekera, CS; Jack, KS; Cooper-White, JJ; Grondahl, L. (2016). Dispersion of hydroxyapatite nanoparticles in solution and in polycaprolactone composite scaffolds. 4: 409-421. <http://dx.doi.org/10.1039/c5tb02255j>.
- Goonoo, N; Bhaw-Luximon, A; Bowlin, GL; Jhurry, D. (2012). Diblock Poly(ester)-Poly(ester-ether) Copolymers: I. Synthesis, Thermal Properties, and Degradation Kinetics. *Ind Eng Chem Res*. 51: 12031-12040. <http://dx.doi.org/10.1021/ie301703j>.
- Goonoo, N; Bhaw-Luximon, A; Rodriguez, IA; Wesner, D; Schoenherr, H; Bowlin, GL; Jhurry, D. (2014). Poly(ester-ether)s: II. Properties of electrospun nanofibres from polydioxanone and poly(methyl dioxanone) blends and human fibroblast cellular proliferation. 2: 339-351. <http://dx.doi.org/10.1039/c3bm60211g>.
- Goossens, AM; Feijen, EJP; Verhoeven, G; Wouters, BH; Grobet, PJ; Jacobs, PA; Martens, JA. (2000). Crystallization of MAZ-type zeolites using tetramethylammonium, sodium and n-hexane derivatives as structure- and composition-directing agents. *Microporous and Mesoporous Materials*. 35-6: 555-572.
- Goto, M; Takabe, K; Abe, I. (1998). Histochemistry and UV-microspectrometry of cell walls of untreated and ammonia-treated barley straw. *Can J Plant Sci*. 78: 437-443.
- Govender, M; Bush, T; Spark, A; Bose, SK; Francis, RC. (2009). An accurate and non-labor intensive method for the determination of syringyl to guaiacyl ratio in lignin. *Bioresour Technol*. 100: 5834-5839. <http://dx.doi.org/10.1016/j.biortech.2009.06.009>.
- Govender, UP; Letcher, TM; Garg, SK; Ahluwalia, JC. (1996). Effect of temperature and pressure on the volumetric properties of branched and cyclic ethers. *Journal of Chemical and Engineering Data*. 41: 147-150.
- Gowd, EB; Koga, T; Endoh, MK; Kumar, K; Stamm, M. (2014). Pathways of cylindrical orientations in PS-b-P4VP diblock copolymer thin films upon solvent vapor annealing. *Soft Matter*. 10: 7753-7761. <http://dx.doi.org/10.1039/c4sm01460j>.
- Grablowitz, H; Lendlein, A. (2007). Synthesis and characterization of alpha,omega-dihydroxy-telechelic oligo(p-dioxanone). *J Mater Chem*. 17: 4050-4056. <http://dx.doi.org/10.1039/b707104c>.
- Grabtchev, I. (1994). THE SYNTHESIS AND PROPERTIES OF SOME TRIAZENE STILBENE FLUORESCENT BRIGHTENERS. *Dyes and Pigments*. 25: 249-254.
- Graciela Aguayo, M; Ruiz, J; Norambuena, M; Teixeira Mendonca, R. (2015). STRUCTURAL FEATURES OF DIOXANE LIGNIN FROM Eucalyptus globulus AND THEIR RELATIONSHIP WITH THE PULP YIELD OF CONTRASTING GENOTYPES. 17: 625-636. <http://dx.doi.org/10.4067/S0718-221X2015005000055>.
- Green, T; Lee, R; Moore, RB; Ashby, J; Willis, GA; Lund, VJ; MJL, C. (2000). Acetochlor-induced rat nasal tumors: Further studies on the mode of action and relevance to humans. *Regul Toxicol Pharmacol*. 32: 127-133. <http://dx.doi.org/10.1006/rtph.2000.1413>.
- Grodner, J; Jablonski, T. (2007). Present status and perspectives for the use of semiochemicals in protection of Horse-chestnuts against *Cameraria ohridella*. *Przemysł Chemiczny*. 86: 534-538.
- Gu, F; Wu, W; Wang, Z; Yokoyama, T; Jin, Y; Matsumoto, Y. (2015). Effect of complete dissolution in LiCl/DMSO on the isolation and characteristics of lignin from wheat straw internode. *Ind Crop Prod*. 74: 703-711. <http://dx.doi.org/10.1016/j.indcrop.2015.06.002>.
- Guajardo, N; Bernal, C; Wilson, L; Cabrera, Z. (2015). Selectivity of R-alpha-monobenzoate glycerol synthesis catalyzed by *Candida antarctica* lipase B immobilized on heterofunctional supports. *Process Biochemistry*. 50: 1870-1877. <http://dx.doi.org/10.1016/j.procbio.2015.06.025>.
- Guarino, V; Guaccio, A; Guarneri, D; Netti, PA; Ambrosio, L. (2012). Binary system thermodynamics to control pore architecture of PCL scaffold via temperature-driven phase separation process. *J Biomater Appl*. 27: 241-254. <http://dx.doi.org/10.1177/0885328211401056>.
- Guguta, C; Eeuwijk, I; Smits, JMM; de Gelder, R. (2008). Structural diversity of ethinyl estradiol solvates. *Cryst Growth Des*. 8: 823-831. <http://dx.doi.org/10.1021/cg0702277>.
- Gui, L; Ling, Z; Xia, Y; Jian, W; He-An, L. (2010). Preparation, Characterization and Catalytic Properties of Sn-Containing MCM-41. *Wuji Cailiao Xuebao*. 25: 1041-1046. <http://dx.doi.org/10.3724/SP.J.1077.2010.01041>.
- Guilmette, RA; Cheng, YS; Griffith, WC. (1997). Characterising the variability in adult human nasal airway dimensions. *Ann Occup Hyg*. 41: 491-496.
- Gunduz, C; Salan, U; Ozkul, N; Basaran, I; Cakir, U; Bulut, M. (2006). The synthesis and complexation study of some novel 3-methoxyphenyl chromenone crown ethers using conductometry. *Dyes and Pigments*. 71: 161-167. <http://dx.doi.org/10.1016/j.dyepig.2005.06.021>.
- Guo, G; Li, S; Wang, L, u; Ren, S; Fang, G. (2013). Separation and characterization of lignin from bio-ethanol production residue. *Bioresour Technol*. 135: 738-741. <http://dx.doi.org/10.1016/j.biortech.2012.10.041>.
- Guo, J; Liu, X; Lee Miller, A; Waletzki, BE; Yaszemski, MJ; Lu, L. (2017). Novel porous poly(propylene fumarate-co-caprolactone) scaffolds fabricated by thermally induced phase separation. *J Biomed Mater Res A*. 105: 226-235. <http://dx.doi.org/10.1002/jbm.a.35862>.
- Guo, QH; Ohya, H; Yuan, XJ; Chen, LK; Huang, JC. (1995). PREPARATION OF ULTRAFILTRATION MEMBRANES OF HCEC AND CTA BLEND, AND STUDIES OF RESISTANCE TO MICROBIOLOGICAL DEGRADATION AND OTHER PROPERTIES. *J Memb Sci*. 100: 217-228.
- Gupta, BS; Fang, M, eiY; Taha, M; Lee, MJ, er. (2016). Separation of 1,3-dioxolane, 1,4-dioxane, acetonitrile and tert-butanol from their aqueous solutions by using Good's buffer HEPES-Na as an auxiliary agent. *Taiwan Institute of Chemical Engineers Journal*. 66: 43-53. <http://dx.doi.org/10.1016/j.jtice.2016.06.024>.
- Gupta, J; Wilson, BW; Vadlani, PV. (2016). Evaluation of green solvents for a sustainable zein extraction from ethanol industry DDGS. *Biomass and Bioenergy*. 85: 313-319. <http://dx.doi.org/10.1016/j.biombioe.2015.12.020>.
- Gurukul, SMK; Raju, BN. (1970). ISOBARIC VAPOR-LIQUID EQUILIBRIUM DATA FOR SYSTEM 1-PROPANOL-PARA-DIOXANE. *Journal of Chemical and Engineering Data*. 15: 361-&.

Fate Literature Search Results

Off Topic

- Gurung, A; Hassan, SH; Oh, SE. (2011). Assessing acute toxicity of effluent from a textile industry and nearby river waters using sulfur-oxidizing bacteria in continuous mode. *Environ Technol.* 32: 1597-1604. <http://dx.doi.org/10.1080/09593330.2010.545081>.
- Gurung, A; Kim, S; Joo, J; Jang, M, in; Oh, S. (2012). Assessing toxicities of industrial effluents and 1,4-dioxane using sulphur-oxidising bacteria in a batch test. *Water Environ J.* 26: 224-234. <http://dx.doi.org/10.1111/j.1747-6593.2011.00280.x>.
- Guzman, D; Kirsebom, H; Solano, C; Quillaguaman, J; Hatti-Kaul, R. (2011). Preparation of hydrophilic poly(3-hydroxybutyrate) macroporous scaffolds through enzyme-mediated modifications. *J Bioact Compat Polymer.* 26: 452-463. <http://dx.doi.org/10.1177/0883911511419970>.
- Habibullah, M; Rahman, IMM; Uddin, MA; Anowar, M; Alam, M; Iwakabe, K; Hasegawa, H. (2013). Densities, Viscosities, and Speeds of Sound of Binary Mixtures of Heptan-1-ol with 1,4-Dioxane at Temperatures from (298.15 to 323.15) K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 58: 2887-2897. <http://dx.doi.org/10.1021/je400512u>.
- Haldar, U; Bauri, K; Li, R; Faust, R; De, P. (2015). Polyisobutylene-Based pH-Responsive Self-Healing Polymeric Gels. 7: 8779-8788. <http://dx.doi.org/10.1021/acsami.5b01272>.
- Halden, RU. (2015). Epistemology of contaminants of emerging concern and literature meta-analysis. *J Hazard Mater.* 282: 2-9. <http://dx.doi.org/10.1016/j.jhazmat.2014.08.074>.
- Hall, WC. (1990). Peritoneum, retroperitoneum, mesentery and abdominal cavity. In GA Boorman; SL Eustis; MR Elwell; CA Montgomery, Jr.; WF MacKenzie (Eds.), (pp. 63-69). San Diego, CA: Academic Press.
- Hamed, EA; Habeeb, MM; Elhegazy, FM; Shehata, AK. (1995). SOLVATION EFFECT ON THE PROTON-TRANSFER COMPLEX-FORMATION BETWEEN 2,4-DINITRO-1-NAPHTHOL AND AMINES. *Journal of Chemical and Engineering Data.* 40: 1037-1040.
- Hamoudi, Z; Belaribi, FB; Ait-Kaci, A; Boukais-Belaribi, G. (2006). Experimental and predicted excess molar enthalpies for 1,4-dioxane plus octane plus cyclohexane at 303.15 K. *Fluid Phase Equilibria.* 244: 62-67. <http://dx.doi.org/10.1016/j.fluid.2006.03.020>.
- Han, KJ; Oh, JH; Park, SJ. (2007). Densities and refractive indices of the ternary system ethyl tert-butyl ether (ETBE) plus ethanol plus benzene and its binary sub-systems at 298.15 K. *J Ind Eng Chem.* 13: 360-366.
- Han, M, in; Yuan, D, an; Liu, S; Bao, J; Dai, Z; Zhu, J. (2012). Facile synthesis of porous copper nanobelts and their catalytic performance. *Materials Research Bulletin.* 47: 4438-4444. <http://dx.doi.org/10.1016/j.materresbull.2012.09.044>.
- Han, S; Meng, L; Du, C; Xu, J; Cheng, C; Wang, J; Zhao, H. (2016). Solubility Measurement and Thermodynamic Modeling of 4-Nitrophthalimide in Twelve Pure Solvents at Elevated Temperatures Ranging from (273.15 to 323.15) K. *Journal of Chemical and Engineering Data.* 61: 2525-2535. <http://dx.doi.org/10.1021/acs.jced.6b00230>.
- Han, TH; Han, JS; So, MH; Seo, JW; Ahn, CM; Min, DH; Yoo, YS; Cha, DK; Kim, CG. (2012). The removal of 1,4-dioxane from polyester manufacturing process wastewater using an up-flow Biological Aerated Filter (UBAF) packed with tire chips. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 47: 117-129. <http://dx.doi.org/10.1080/10934529.2012.630291>.
- Hand, S; Wang, B; Chu, KH. (2015). Biodegradation of 1,4-dioxane: effects of enzyme inducers and trichloroethylene. *Sci Total Environ.* 520: 154-159. <http://dx.doi.org/10.1016/j.scitotenv.2015.03.031>.
- Hao, J; Liu, HJ; Liu, DH. (2005). Novel route of reactive extraction to recover 1,3-propanediol from a dilute aqueous solution. *Ind Eng Chem Res.* 44: 4380-4385. <http://dx.doi.org/10.1021/ie049346z>.
- Hao, J; Xu, F; Liu, HJ; Liu, DH. (2006). Downstream processing of 1,3-propanediol fermentation broth. *J Chem Tech Biotechnol.* 81: 102-108. <http://dx.doi.org/10.1002/jctb.1369>.
- Hara, T; Hashimoto, S; Sugahara, T; Ohgaki, K. (2005). Large pressure depression of methane hydrate by adding 1,1-dimethylcyclohexane. *Chem Eng Sci.* 60: 3117-3119. <http://dx.doi.org/10.1016/j.ces.2005.009>.
- Harkema, JR; Carey, SA; Wagner, JG. (2006). The nose revisited: A brief review of the comparative structure, function, and toxicologic pathology of the nasal epithelium [Review]. *Toxicol Pathol.* 34: 252-269. <http://dx.doi.org/10.1080/01926230600713475>.
- Harris, KR. (2015). Viscous Calibration Liquids for Self-Diffusion Measurements. *Journal of Chemical and Engineering Data.* 60: 3506-3517. <http://dx.doi.org/10.1021/acs.jced.5b00246>.
- Hasegawa, S; Azuma, M; Takahashi, K. (2008). Enzymatic esterification of lactic acid, utilizing the basicity of particular polar organic solvents to suppress the acidity of lactic acid. *J Chem Tech Biotechnol.* 83: 1503-1510. <http://dx.doi.org/10.1002/jctb.1935>.
- Haseman, JK; Hailey, JR. (1997). An update of the National Toxicology Program database on nasal carcinogens. *Mutat Res.* 380: 3-11. [http://dx.doi.org/10.1016/S0027-5107\(97\)00121-8](http://dx.doi.org/10.1016/S0027-5107(97)00121-8).
- Haseman, JK; Hailey, JR; Morris, RW. (1998). Spontaneous neoplasm incidences in Fischer 344 rats and B6C3F1 mice in two-year carcinogenicity studies: A National Toxicology Program update. *Toxicol Pathol.* 26: 428-441. <http://dx.doi.org/10.1177/019262339802600318>.
- Haseman, JK; Huff, J; Boorman, GA. (1984). Use of historical control data in carcinogenicity studies in rodents. *Toxicol Pathol.* 12: 126-135. <http://dx.doi.org/10.1177/019262338401200203>.
- Hassan, A, buM; Vu, DT; Bernard-Brunel, DA; Elliott, JR; Miller, DJ; Lira, CT. (2012). Application of the Step Potential for Equilibria and Dynamics (SPEAD) Method to Bioderived Esters and Acetals. *Ind Eng Chem Res.* 51: 3209-3214. <http://dx.doi.org/10.1021/ie2009058>.
- Hawley, GG; Lewis, RJ, Sr. (2001). Hawley's condensed chemical dictionary. In GG Hawley; RJ Lewis, Sr. (Eds.), (14 ed.). New York, NY: John Wiley & Sons.
- Hayashi, S; Watanabe, J; Kawajiri, K. (1991). Genetic polymorphisms in the 5'-flanking region change transcriptional regulation of the human cytochrome P450IIE1 gene. *J Biochem.* 110: 559-565.
- Heijkants, RGJ, C; Van Tienen, TG; De Groot, JH; Pennings, AJ; Buma, P; Veth, RPH; Schouten, AJ. (2006). Preparation of a polyurethane scaffold for tissue engineering made by a combination of salt leaching and freeze-drying of dioxane. *Journal of Materials Science.* 41: 2423-2428. <http://dx.doi.org/10.1007/s10853-006-7065-y>.

Fate Literature Search Results

Off Topic

- Heise, A; Menzel, H; Yim, H; Foster, MD; Wieringa, RH; Schouten, AJ; Erb, V; Stamm, M. (1997). Grafting of polypeptides on solid substrates by initiation of N-carboxyanhydride polymerization by amino-terminated self-assembled monolayers. *Langmuir*. 13: 723-728.
- Herba, H; Czechowski, G; Zywicki, B; Stockhausen, M; Jadzyn, J. (1995). EXCESS MOLAR VOLUMES OF BINARY-MIXTURES OF AMINO-ALCOHOLS WITH 1,4-DIOXANE. *Journal of Chemical and Engineering Data*. 40: 214-215.
- Herslund, PJ; Thomsen, K, aj; Abildskov, J; von Solms, N; Galfre, A; Brantuas, P; Kwaterski, M; Herri, JM. (2013). Thermodynamic promotion of carbon dioxide-clathrate hydrate formation by tetrahydrofuran, cyclopentane and their mixtures. *Int J Greenhouse Gas Control*. 17: 397-410. <http://dx.doi.org/10.1016/j.ijggc.2013.05.022>.
- Hey, MJ; Alsagheer, F. (1994). INTERPHASE TRANSFER RATES IN EMULSIONS STUDIED BY NMR-SPECTROSCOPY. *Langmuir*. 10: 1370-1376.
- Hidaka, K; Iwakawa, Y; Maoka, T; Tanimoto, F; Oku, A. (2009). Viable chemical recycling of poly(carbonate) as a phosgene equivalent illustrated by the coproduction of bisphenol A and carbohydrate carbonates. *Journal of Material Cycles and Waste Management*. 11: 6-10. <http://dx.doi.org/10.1007/s10163-008-0211-7>.
- Hidalgo-Carrillo, J; Angeles Aramendia, M; Marinas, A; Maria Marinas, J; Jose Urbano, F. (2010). Support and solvent effects on the liquid-phase chemoselective hydrogenation of crotonaldehyde over Pt catalysts. *Appl Catal A-Gen*. 385: 190-200. <http://dx.doi.org/10.1016/j.apcata.2010.07.012>.
- Hidalgo-Carrillo, J; Marinas, A; Marinas, JM; Delgado, JJ; Raya-Miranda, R; Urbano, FJ. (2014). Water as solvent in the liquid-phase selective hydrogenation of crotonaldehyde to crotyl alcohol over Pt/ZnO: A factorial design approach. *Appl Catal B-Environ*. 154: 369-378. <http://dx.doi.org/10.1016/j.apcatb.2014.02.023>.
- Hiki, S; Taniguchi, I; Miyamoto, M; Kimura, Y. (2001). Synthesis and characterization of a novel rac-PHB derivative containing alpha-malate units. *Sen'i Gakkaishi*. 57: 191-197.
- Hindley, S; Jones, AC; Ashraf, S; Bacsa, J; Steiner, A; Chalker, PR; Beahan, P; Williams, PA; Odedra, R. (2011). Metal Organic Chemical Vapour Deposition of Vertically Aligned ZnO Nanowires Using Oxygen Donor Adducts. *J Nanosci Nanotechnol*. 11: 8294-8301. <http://dx.doi.org/10.1166/jnn.2011.5038>.
- Hoch, M. (1997). Thermodynamics of binary and larger organic-organic and organic-water systems. *CALPHAD*. 21: 359-379.
- Hoebbel, D; Nacken, M; Schmidt, H; Huch, V; Veith, M. (1998). X-ray and NMR spectroscopic characterisation of cyclic titanodiphenylsiloxanes and examination of the hydrolytic stability of their Si-O-Ti bonds. *J Mater Chem*. 8: 171-178.
- Hofrichter, M; Scheibner, K; Bublitz, F; Schneegass, I; Ziegenhagen, D; Martens, R; Fritsche, W. (1999). Depolymerization of straw lignin by manganese peroxidase from *Nematoloma frowardii* is accompanied by release of carbon dioxide. *Holzforchung*. 53: 161-166.
- Hogue, C. (2009). 1,4-Dioxane Exposure not harmful, Canada says. *Chem Eng News*. 87: 24-24.
- Holda, AK; Vankelecom, I, voFJ. (2014). Integrally skinned PSF-based SRNF-membranes prepared via phase inversion-Part B: Influence of low molecular weight additives. *J Memb Sci*. 450: 499-511. <http://dx.doi.org/10.1016/j.memsci.2013.08.051>.
- Holguin, AR; Rodriguez, GA; Cristancho, DM; Delgado, DR; Martinez, F. (2012). Solution thermodynamics of indomethacin in propylene glycol plus water mixtures. *Fluid Phase Equilibria*. 314: 134-139. <http://dx.doi.org/10.1016/j.fluid.2011.11.001>.
- Hollamby, MJ; Tabor, R; Mutch, KJ; Trickett, K; Eastoe, J; Heenan, RK; Grillo, I. (2008). Effect of Solvent Quality on Aggregate Structures of Common Surfactants. *Langmuir*. 24: 12235-12240. <http://dx.doi.org/10.1021/la8020854>.
- Holmgren, A; Zhang, L; Henriksson, G. (2008). Monolignol dehydrogenative polymerization in vitro in the presence of dioxane and a methylated beta-beta ' dimer model compound. *Holzforchung*. 62: 508-513. <http://dx.doi.org/10.1515/HF.008.099>.
- Holzer, W; Penzkofer, A; Horhold, HH. (2000). Travelling-wave lasing of TPD solutions and neat films. *Synthetic Metals*. 113: 281-287.
- Holzer, W; Penzkofer, A; Horhold, HH; Raabe, D; Helbig, M. (2000). Photo-physical and lasing characterization of an aromatic diamine-xylylene copolymer. *Optical Materials*. 15: 225-235.
- Holzer, W; Penzkofer, A; Lux, A; Horhold, HH; Kley, EB. (2004). Photo-physical and lasing characterisation of neat films of a thianthrene-substituted distyrylbenzene dye (Thianthrene-DSB). *Synthetic Metals*. 145: 119-127. <http://dx.doi.org/10.1016/j.synthmet.2004.04.027>.
- Holzer, W; Penzkofer, A; Stockmann, R; Meysel, H; Liebegott, H; Horhold, HH. (2001). Energy density dependent fluorescence quenching of diphenyl substituted phenylene-vinylene and diphenylene-vinylene polymers by exciton-exciton annihilation. *Synthetic Metals*. 125: 343-357.
- Hong, Z; Reis, RL; Mano, JF. (2008). Preparation and in vitro characterization of scaffolds of poly(L-lactic acid) containing bioactive glass ceramic nanoparticles. *Acta Biomater*. 4: 1297-1306. <http://dx.doi.org/10.1016/j.actbio.2008.03.007>.
- Horikoshi, S; Serpone, N. (2014). On the influence of the microwaves' thermal and non-thermal effects in titania photoassisted reactions. *Catalysis Today*. 224: 225-235. <http://dx.doi.org/10.1016/j.cattod.2013.10.056>.
- Hortling, B. (1992). DIOXANE LIGNINS FROM PINUS-CARIBAEA VAR HONDURENSIS .1. EFFECT OF CATALYST CONCENTRATION. 74: 323-323.
- Hosokawa, T; Datta, S; Sheth, AR; Brooks, NR; Young, VG; Grant, DJW. (2004). Isostructurality among five solvates of phenylbutazone. *Cryst Growth Des*. 4: 1195-1201. <http://dx.doi.org/10.1021/cg049923m>.
- Hosoya, A; Kurakami, G; Narita, T; Hamana, H. (2007). Novel fluorinated hybrid polymers from tris(alpha-trifluoromethyl-beta, beta-difluorovinyl) 1,3,5-benzenetricarboxylate by radical polyaddition with diethoxydimethylsilane. *React Funct Polym*. 67: 1187-1191. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.06.011>.
- Hou, Q; Grijpma, DW; Feijen, J. (2003). Preparation of interconnected highly porous polymeric structures by a replication and freeze-drying process. *J Biomed Mater Res B Appl Biomater*. 67: 732-740. <http://dx.doi.org/10.1002/jbm.b.10066>.
- Hsieh, CM; Wang, S, hu; Lin, ST, ai; Sandler, SI. (2011). A Predictive Model for the Solubility and Octanol-Water Partition Coefficient of Pharmaceuticals. *Journal of Chemical and Engineering Data*. 56: 936-945. <http://dx.doi.org/10.1021/je1008872>.

Fate Literature Search Results

Off Topic

- Hsieh, CY; Hsieh, HJ; Liu, HC; Wang, DM; Hou, LT. (2006). Fabrication and release behavior of a novel freeze-gelled chitosan/gamma-PGA scaffold as a carrier for rhBMP-2. *Dent Mater.* 22: 622-629. <http://dx.doi.org/10.1016/j.dental.2005.05.012>.
- Hsu, CY, u; Kuo, MH; Kuo, PL, in. (2015). Preparation, characterization, and properties of poly(styrene-b-sulfonated isoprene)s membranes for proton exchange membrane fuel cells (PEMFCs). *J Memb Sci.* 484: 146-153. <http://dx.doi.org/10.1016/j.memsci.2015.02.038>.
- Hu, F, an; Jung, S; Ragauskas, A. (2013). Impact of Pseudolignin versus Dilute Acid-Pretreated Lignin on Enzymatic Hydrolysis of Cellulose. 1: 62-65. <http://dx.doi.org/10.1021/sc300032J>.
- Hu, TQ; James, BR; Wang, Y. (1999). Towards inhibition of yellowing of mechanical pulps. Part III. Hydrogenation of milled wood lignin. *Journal of Pulp & Paper Science.* 25: 312-317.
- Hu, X; Shen, H; Yang, F, ei; Bei, J; Wang, S. (2008). Preparation and cell affinity of microtubular orientation-structured PLGA(70/30) blood vessel scaffold. *Biomaterials.* 29: 3128-3136. <http://dx.doi.org/10.1016/j.biomaterials.2008.04.010>.
- Hua, FJ; Kim, GE; Lee, JD; Son, YK; Lee, DS. (2002). Macroporous poly(L-lactide) scaffold 1. Preparation of a macroporous scaffold by liquid-liquid phase separation of a PLLA-dioxane-water system. *J Biomed Mater Res.* 63: 161-167.
- Huang, CY; Huang, KL; Cheng, TJ; Wang, JD; Hsieh, LL. (1997). The GST T1 and CYP2E1 genotypes are possible factors causing vinyl chloride induced abnormal liver function. *Arch Toxicol.* 71: 482-488. <http://dx.doi.org/10.1007/s002040050416>.
- Huang, H; Shen, D; Li, N, a; Shan, D, an; Shentu, J; Zhou, Y. (2014). Biodegradation of 1,4-Dioxane by a Novel Strain and Its Biodegradation Pathway. *Water Air Soil Pollut.* 225: 2135-2135. <http://dx.doi.org/10.1007/s11270-014-2135-2>.
- Huang, S, huH; Liu, Y, uY; Huang, Y, unH; Liao, K, uoS; Hu, CC; Lee, KR; Lai, JY, ih. (2014). Study on characterization and pervaporation performance of interfacially polymerized polyamide thin-film composite membranes for dehydrating tetrahydrofuran. *J Memb Sci.* 470: 411-420. <http://dx.doi.org/10.1016/j.memsci.2014.07.022>.
- Huang, Y, u; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2015). HEMICELLULOSE COMPOSITION IN DIFFERENT CELL WALL FRACTIONS OBTAINED USING A DMSO/LICL WOOD SOLVENT SYSTEM AND ENZYME HYDROLYSIS. *Journal of Wood Chemistry and Technology.* 36: 56-62. <http://dx.doi.org/10.1080/02773813.2015.1074248>.
- Huang, Y, u; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2016). Analysis of Lignin Aromatic Structure in Wood Fractions Based on IR Spectroscopy. *Journal of Wood Chemistry and Technology.* 36: 377-382. <http://dx.doi.org/10.1080/02773813.2016.1179325>.
- Hueckel, T. (1997). Chemo-plasticity of clays subjected to stress and flow of a single contaminant. *International Journal for Numerical and Analytical Methods in Geomechanics.* 21: 43-72.
- Huo, Q; Russell, KC; Leblanc, RM. (1998). Effect of complementary hydrogen bonding additives in subphase on the structure and properties of the 2-amino-4,6-dioctadecylamino-1,3,5-triazine amphiphile at the air-water interface: Studies by ultraviolet-visible absorption spectroscopy and Brewster angle microscopy. *Langmuir.* 14: 2174-2186.
- Husain, A; Ellwart, M; Bourne, SA; Ohrstrom, L; Oliver, CL. (2013). Single-Crystal-to-Single-Crystal Transformation of a Novel 2-Fold Interpenetrated Cadmium-Organic Framework with Trimesate and 1,2-Bis(4-pyridyl)ethane into the Thermally Desolvated Form Which Exhibits Liquid and Gas Sorption Properties. *Cryst Growth Des.* 13: 1526-1534. <http://dx.doi.org/10.1021/cg301760a>.
- Huvaere, K; Sinnavee, B; Van Bocxlaer, J; Skibsted, LH. (2012). Flavonoid deactivation of excited state flavins: reaction monitoring by mass spectrometry. *J Agric Food Chem.* 60: 9261-9272. <http://dx.doi.org/10.1021/jf301823h>.
- Hwang, H; Moon, S, unJoo; Won, K; Kim, YH; Choi, JW. (2015). Parameters affecting in vitro monolignol couplings during dehydrogenative polymerization in the presence of peroxidase and H₂O₂. *J Ind Eng Chem.* 26: 390-395. <http://dx.doi.org/10.1016/j.jiec.2014.12.014>.
- ICRP. (1975). Report of the task group on reference man. In *ICRP Publication 23*. Oxford, UK: Pergamon Press. http://ani.sagepub.com/site/includefiles/icrp_publications_collection.xhtml.
- ICRP. (2002). Basic anatomical and physiological data for use in radiological protection: Reference values. In *Annals of the ICRP* (pp. 1-277). (ICRP Publication 89). New York, NY: Pergamon Press. [http://dx.doi.org/10.1016/S0146-6453\(03\)00002-2](http://dx.doi.org/10.1016/S0146-6453(03)00002-2).
- Il Lee, S; Cho, A, ra; Koh, J; Moon, SH. (2012). Preparation of CoMoS catalysts for hydrodesulfurization using methylacetoacetate as a chelating agent. *Korean J Chem Eng.* 29: 310-316. <http://dx.doi.org/10.1007/s11814-011-0171-9>.
- Ilani-Kashkouli, P; Babae, S; Gharagheizi, F; Hashemi, H; Mohammadi, AH; Ramjugernath, D. (2013). An assessment test for phase equilibrium data of water soluble and insoluble clathrate hydrate formers. *Fluid Phase Equilibria.* 360: 68-76. <http://dx.doi.org/10.1016/j.fluid.2013.08.016>.
- Ilharco, LM; Garcia, AR; Dasilva, JL; Lemos, MJ; Ferreira, LFV. (1997). Ultraviolet-visible and Fourier transform infrared diffuse reflectance studies of benzophenone and fluorenone adsorbed onto microcrystalline cellulose. *Langmuir.* 13: 3787-3793.
- Illbeigi, M; Fazlali, A; Mohammadi, AH. (2011). Thermodynamic Model for the Prediction of Equilibrium Conditions of Clathrate Hydrates of Methane plus Water-Soluble or -Insoluble Hydrate Former. *Ind Eng Chem Res.* 50: 9437-9450. <http://dx.doi.org/10.1021/ie200442h>.
- Imai, T; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin IV: dependence of acidolysis reaction on the type of acid. *J Wood Sci.* 57: 219-225. <http://dx.doi.org/10.1007/s10086-010-1166-6>.
- Inglese, A; Grolier, JPE; Wilhelm, E. (1983). EXCESS VOLUMES OF MIXTURES OF OXOLANE, OXANE, 1,3-DIOXOLANE, AND 1,4-DIOXANE WITH NORMAL-ALKANES AT 298.15-K, 308.15-K, AND 318.15-K. *Journal of Chemical and Engineering Data.* 28: 124-127.
- Inglese, A; Grolier, JPE; Wilhelm, E. (1984). EXCESS VOLUMES AND EXCESS HEAT-CAPACITIES OF OXANE + CYCLOHEXANE AND 1,4-DIOXANE + CYCLOHEXANE. *Fluid Phase Equilibria.* 15: 287-294.
- Ingram, AJ; Grasso, P. (1985). Nuclear enlargement--an early change produced in mouse epidermis by carcinogenic chemicals applied topically in the presence of a promoter. *J Appl Toxicol.* 5: 53-60. <http://dx.doi.org/10.1002/jat.2550050203>.
- Ingram, AJ; Grasso, P. (1987). Nuclear enlargement produced in mouse skin by carcinogenic mineral oils. *J Appl Toxicol.* 7: 289-295.

Fate Literature Search Results

Off Topic

- Ion, I, on; Sirbu, F; Ion, AC. (2013). Density, Refractive Index, and Ultrasound Speed in Mixtures of Active Carbon and Exfoliated Graphite Nanoplatelets Dispersed in N,N-Dimethylformamide at Temperatures from (293.15 to 318.15) K. *Journal of Chemical and Engineering Data*. 58: 1212-1222. <http://dx.doi.org/10.1021/jc301343n>.
- Iqbal, MJ; Chaudhry, MA. (2009). Thermodynamic Study of Phenyl Salicylate Solutions in Aprotic Solvents at Different Temperatures. *Journal of Chemical and Engineering Data*. 54: 338-341. <http://dx.doi.org/10.1021/jc8003595>.
- Isaacson, C; Mohr, TKG; Field, JA. (2006). Quantitative determination of 1,4-dioxane and tetrahydrofuran in groundwater by solid phase extraction GC/MS/MS. *Environ Sci Technol*. 40: 7305-7311. <http://dx.doi.org/10.1021/es0615270>.
- Isaev, RN. (1996). Determination of maleinimides by a kinetic method. *Industrial Laboratory*. 62: 675-677.
- Isaev, RN; Ishkov, AV. (1997). Spectrophotometric determination of tolylmaleimides. *Industrial Laboratory*. 63: 13-15.
- Isaka, K; Udagawa, M; Sei, K; Ike, M. (2016). Pilot test of biological removal of 1,4-dioxane from a chemical factory wastewater by gel carrier entrapping *Afipia* sp. strain D1. *J Hazard Mater*. 304: 251-258. <http://dx.doi.org/10.1016/j.jhazmat.2015.10.066>.
- Ishida, H; Wakimoto, T; Kitao, Y; Tanaka, S; Miyase, T; Nukaya, H. (2009). Quantitation of chafurosides A and B in tea leaves and isolation of prechafurosides A and B from oolong tea leaves. *J Agric Food Chem*. 57: 6779-6786. <http://dx.doi.org/10.1021/jf900032z>.
- Ishizaki, T; Chiba, S; Kaneko, Y; Panomsuwan, G. (2014). Electrocatalytic activity for the oxygen reduction reaction of oxygen-containing nanocarbon synthesized by solution plasma. 2: 10589-10598. <http://dx.doi.org/10.1039/c4ta01577k>.
- Ito, H; Imai, T; Lundquist, K; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the Mechanism of beta-O-4 Bond Cleavage During Acidolysis of Lignin. Part 3: Search for the Rate-Determining Step of a Non-Phenolic C-6-C-3 Type Model Compound. *Journal of Wood Chemistry and Technology*. 31: 172-182. <http://dx.doi.org/10.1080/02773813.2010.515050>.
- Iulian, O; Hamplea, LM; Jinescu, G. (1997). Vapour-liquid equilibria of binary and ternary systems containing water, dimethylsulphoxide and 1,4-dioxane. *Hungarian Journal of Industrial Chemistry*. 25: 249-253.
- Iulian, O; Iliuta, M; Hamplea, L; Lintes, G. (1995). REFRACTION INDEX-COMPOSITION CALIBRATION CURVES FOR WATER-ORGANIC COMPONENT HOMOGENEOUS LIQUID-MIXTURES. *Rev Chim*. 46: 591-593.
- Iulian, O; Jinescu, G; Iliuta, M; Hamplea, L. (1994). MODELS FOR VISCOSITY OF LIQUID-SYSTEMS - APPLICATION TO THE BINARY AND TERNARY SOLVENT MIXTURES. *Hungarian Journal of Industrial Chemistry*. 22: 95-100.
- Iulian, O; Nita, I; Ciocirlan, O; Catrinciu, M; Fedeles, A. (2009). Property Prediction for Binary and Ternary Systems with Water, 1,4-Dioxane, Ethyleneglycol and Diethyleneglycol. *Rev Chim*. 60: 972-975.
- Iwata, F; Sumiya, Y; Nagami, S; Sasaki, A. (2004). Submicrometre-scale fabrication of polycarbonate surface using a scanning micropipette probe microscope. *Nanotechnology*. 15: 422-426. <http://dx.doi.org/10.1088/0957-4484/15/5/003>.
- Izci, A; Bodur, F. (2007). Liquid-phase esterification of acetic acid with isobutanol catalyzed by ion-exchange resins. *React Funct Polym*. 67: 1458-1464. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.07.019>.
- Izci, A; Hosgun, HL. (2007). Kinetics of synthesis of isobutyl propionate over Amberlyst-15. *Turkish Journal of Chemistry*. 31: 493-499.
- Izci, A; Uyar, E; Izci, E. (2009). Determination of Adsorption and Kinetic Parameters for Synthesis of Isobutyl Acetate Catalyzed by Amberlite IR-122. *Chemical Engineering Communications*. 196: 56-67. <http://dx.doi.org/10.1080/00986440802303293>.
- Izotova, L; Ibragimov, B; Ashurov, J; Talipov, S; Weber, E. (2006). Growth of six different crystals of the versatile host compound 1,1'-binaphthyl-2,2'-dicarboxylic acid from solutions in 1,4-dioxane. *Cryst Growth Des*. 6: 2523-2529. <http://dx.doi.org/10.1021/cg060274j>.
- Izumi, Y; Iida, K; Usami, K; Nagata, T. (2003). An efficient method for acetolysis of cyclic ethers catalyzed by heteropolyacid. *Appl Catal A-Gen*. 256: 199-202. [http://dx.doi.org/10.1016/S0926-860X\(03\)00399-5](http://dx.doi.org/10.1016/S0926-860X(03)00399-5).
- Jackson, RE; Dwarakanath, V. (1999). Chlorinated degreasing solvents: Physical-chemical properties affecting aquifer contamination and remediation. *Ground Water Monitoring and Remediation*. 19: 102-110.
- Jacobs, A; Faleni, N; Nassimbeni, LR; Taljaard, JH. (2007). Inclusion by a xanthenol host: Relating structure to the kinetics of desolvation and guest exchange. *Cryst Growth Des*. 7: 1003-1006. <http://dx.doi.org/10.1021/cg060792u>.
- Jacobs, A; Nassimbeni, LR; Nohako, KL; Su, H; Taljaard, JH. (2008). Inclusion with mixed guests: Structure and selectivity. *Cryst Growth Des*. 8: 1301-1305. <http://dx.doi.org/10.1021/cg7010343>.
- Jager, MD; de Deugd, RM; Peters, CJ; Arons, JD; Sloan, ED. (1999). Experimental determination and modeling of structure II hydrates in mixtures of methane plus water plus 1,4-dioxane. *Fluid Phase Equilibria*. 165: 209-223.
- Jager, MD; De Deugd, RM; Peters, CJ; Arons, JD; Sloan, ED. (2000). A model for systems with soluble hydrate formers. *Ann N Y Acad Sci*. 912: 917-923.
- Jahan, MS; Chowdhury, DA; Islam, MK; Moeiz, SM. (2007). Characterization of lignin isolated from some nonwood available in Bangladesh. *Bioresour Technol*. 98: 465-469. <http://dx.doi.org/10.1016/j.biortech.2006.01.005>.
- Jahan, MS; Liu, Z; Wang, H; Saeed, A; Ni, Y. (2012). ISOLATION AND CHARACTERIZATION OF LIGNIN FROM PREHYDROLYSIS LIQUOR OF KRAFT-BASED DISSOLVING PULP PRODUCTION. *Cellulose Chemistry and Technology*. 46: 261-267.
- Jahan, MS; Mun, SP. (2007). Characteristics of dioxane lignins isolated at different ages of *Nalita* wood (*Trema orientalis*). *Journal of Wood Chemistry and Technology*. 27: 83-98. <http://dx.doi.org/10.1080/02773810701486865>.
- Jain, AK; Srivastava, RK. (1996). Ab-initio studies on electroosmotic separation: Separation of 1,4-dioxane in water solution. *J Memb Sci*. 112: 41-46.
- Jain, P; Singh, M. (2004). Density, viscosity, and excess properties of binary liquid mixtures of propylene carbonate with polar and nonpolar solvents. *Journal of Chemical and Engineering Data*. 49: 1214-1217. <http://dx.doi.org/10.1021/jc034204h>.
- Jankulovska, M; Soptrajanova, L; Spirevska, I; Colancevska-Ragenovik, K; Ristovski, S. (2010). INVESTIGATION OF SOLVENT EFFECTS ON ELECTRONIC ABSORPTION SPECTRA OF SOME SUBSTITUTED 1,2,4-TRIAZOLINE-3-THIONES. *Macedonian Journal of Chemistry and Chemical Engineering*. 29: 43-50.

Fate Literature Search Results

Off Topic

- Jaramillo, JCP; Velazco, DRM; Baldrich, C. (2004). Semiquantitative analysis of thiophenic compounds in light cycle oil (LCO) using C-13 NMR spectroscopy. *Fuel*. 83: 337-342. <http://dx.doi.org/10.1016/j.fuel.2003.08.008>.
- Jasmann, JR; Borch, T; Sale, TC; Blotvogel, J. (2016). Advanced Electrochemical Oxidation of 1,4-Dioxane via Dark Catalysis by Novel Titanium Dioxide (TiO₂) Pellets. *Environ Sci Technol*. 50: 8817-8826. <http://dx.doi.org/10.1021/acs.est.6b02183>.
- Jayant, V; Das, D. (2016). 1,4-Dioxane-Specific Organic Hosts and Their Polymorphism. *Cryst Growth Des*. 16: 4183-4189. <http://dx.doi.org/10.1021/acs.cgd.6b00830>.
- Jedrych, E; Ziolkowska, K; Chudy, M; Brzozka, Z. (2010). Microfluidic device for cell culture. 86: 33-35.
- Jeetah, R; Bhaw-Luximon, A; Jhurry, D. (2012). New amphiphilic PEG-b-P(ester-ether) micelles as potential drug nanocarriers. *J Nanopart Res*. 14. <http://dx.doi.org/10.1007/s11051-012-1168-y>.
- Jensen, J; Rölfing, JH; Le, DQ; Kristiansen, AA; Nygaard, JV; Hokland, LB; Bendtsen, M; Kassem, M; Lysdahl, H; Bünger, CE. (2014). Surface-modified functionalized polycaprolactone scaffolds for bone repair: in vitro and in vivo experiments. *J Biomed Mater Res A*. 102: 2993-3003. <http://dx.doi.org/10.1002/jbm.a.34970>.
- Jeong, J; Antonyraj, CA; Shin, S; Kim, S; Kim, B; Lee, KY; Cho, J, inKu. (2013). Commercially attractive process for production of 5-hydroxymethyl-2-furfural from high fructose corn syrup. *J Ind Eng Chem*. 19: 1106-1111. <http://dx.doi.org/10.1016/j.jiec.2012.12.004>.
- Jezewska, A; Szewczyńska, M; Woźnica, A. (2014). [Occupational exposure to airborne chemical substances in paintings conservators]. *Med Pr*. 65: 33-41.
- Jia, L, in; Levy, D; Durand, D; Imperor-Clerc, M; Cao, A; Li, M, inHui. (2011). Smectic polymer micellar aggregates with temperature-controlled morphologies. *Soft Matter*. 7: 7395-7403. <http://dx.doi.org/10.1039/c1sm05636k>.
- Jiang, B, in; Wang, B; Zhang, L; Sun, Y; Xiao, X; Yang, N, a; Dou, H. (2016). Preparation of poly(L-lactic acid) membrane from solvent mixture via immersion precipitation. *Separation Science and Technology*. 51: 2940-2947. <http://dx.doi.org/10.1080/01496395.2016.1239638>.
- Jiang, K, un; Sheng, D; Zhang, Z; Fu, J, ie; Hou, Z; Liu, X. (2016). Hydrogenation of levulinic acid to gamma-valerolactone in dioxane over mixed MgO-Al₂O₃ supported Ni catalyst. *Catalysis Today*. 274: 55-59. <http://dx.doi.org/10.1016/j.cattod.2016.01.056>.
- Jiang, S; Qin, Y; Wu, S; Xu, S; Li, K; Yang, P; Zhao, K; Lin, L; Gong, J. (2017). Solubility Correlation and Thermodynamic Analysis of Sorafenib Free Base and Sorafenib Tosylate in Monosolvents and Binary Solvent Mixtures. *Journal of Chemical and Engineering Data*. 62: 259-267. <http://dx.doi.org/10.1021/acs.jced.6b00630>.
- Jiang, XK; Ji, GZ; Zhang, JT. (1994). EFFECTIVE NEUTRAL DEAGGREGATORS. *Langmuir*. 10: 122-125.
- Jiang, XK; Shi, JL; Chen, X. (1996). Aggregating tendencies of some phosphonates and phosphinates. *Langmuir*. 12: 3881-3884.
- Jiang, Y, i; Lu, L; Chen, P, ei; Chen, X; Li, J; An, Z. (2012). Synthesis and properties of allyloxy-based biphenyl liquid crystals with multiple lateral fluoro substituents. *Liquid Crystals*. 39: 957-963. <http://dx.doi.org/10.1080/02678292.2012.688224>.
- Jiang, ZH; Argyropoulos, DS. (1999). Isolation and characterization of residual lignins in kraft pulps. *Journal of Pulp & Paper Science*. 25: 25-29.
- Jiao, T; Gao, F; Wang, Y; Zhou, J; Gao, F; Luo, X. (2012). Supramolecular Gel and Nanostructures of Bolaform and Trigonal Cholesteryl Derivatives with Different Aromatic Spacers. *Current Nanoscience*. 8: 111-116.
- Jimenez, DM; Cardenas, ZJ; Delgado, DR; Jouyban, A; Martinez, F. (2014). Solubility and Solution Thermodynamics of Meloxicam in 1,4-Dioxane and Water Mixtures. *Ind Eng Chem Res*. 53: 16550-16558. <http://dx.doi.org/10.1021/ie503101h>.
- Jimenez, DM; Cardenas, ZJ; Delgado, DR; Pena, MA; Martinez, F. (2015). Solubility temperature dependence and preferential solvation of sulfadiazine in 1,4-dioxane + water co-solvent mixtures. *Fluid Phase Equilibria*. 397: 26-36. <http://dx.doi.org/10.1016/j.fluid.2015.03.046>.
- Jin, H; Huang, Y; Wang, X, in; Yu, P; Luo, Y. (2016). Preparation of modified cellulose acetate membranes using functionalized multi-walled carbon nanotubes for forward osmosis. *Desalination and Water Treatment*. 57: 7166-7174. <http://dx.doi.org/10.1080/19443994.2015.1017010>.
- Jin, M; Froberg, P; Sun, Y; Li, P; Yu, J; Ulrich, J. (2015). Study on metastable zone width and crystal growth of a ternary system: case study MgCl₂ center dot 6H(2)O center dot 1,4-dioxane. *Chem Eng Sci*. 133: 181-189. <http://dx.doi.org/10.1016/j.ces.2014.12.025>.
- Jin, M; Sun, Y; Li, P; Yu, J; Ulrich, J. (2015). The thermal decomposition study of MgCl₂ center dot 6H(2)O center dot 1,4-C₄H₈O₂. *Chem Eng Res Des*. 104: 256-263. <http://dx.doi.org/10.1016/j.cherd.2015.08.011>.
- Johansson, C; Lundquist, K; Theliander, H. (2009). FRACTIONATION OF PROCESSED SPRUCE WOOD OBTAINED IN THE PRODUCTION OF ETHANOL. *BioResources*. 4: 15-25.
- Johansson, DM; Theander, M; Inganas, O; Andersson, MR. (2000). A convenient synthetic route to poly(p-phenylene-1,2-diphenylvinyls). *Synthetic Metals*. 113: 293-297.
- Johns, MM; Marshall, WE; Toles, CA. (1998). Agricultural by-products as granular activated carbons for adsorbing dissolved metals and organics. *J Chem Tech Biotechnol*. 71: 131-140.
- Johnsson, P; Kamal-Eldin, A; Lundgren, LN; Aman, P. (2000). HPLC method for analysis of secoisolariciresinol diglucoside in flaxseeds. *J Agric Food Chem*. 48: 5216-5219.
- Johnston, A; Florence, AJ; Shankland, N; Kennedy, AR; Shankland, K; Price, SL. (2007). Crystallization and crystal energy landscape of hydrochlorothiazide. *Cryst Growth Des*. 7: 705-712. <http://dx.doi.org/10.1021/cg0606242>.
- Johnston, EE; Bryers, JD; Ratner, BD. (2005). Plasma deposition and surface characterization of oligoglyme, dioxane, and crown ether nonfouling films. *Langmuir*. 21: 870-881. <http://dx.doi.org/10.1021/la036274s>.
- Joo, H; Chae, HJ; Yeo, JS; Yoo, YJ. (1997). Depolymerization of phenolic polymers using horseradish peroxidase in organic solvent. *Process Biochemistry*. 32: 291-296.
- Joshi, SS; Aminabhavi, TM. (1990). EXCESS VOLUMES OF BINARY-MIXTURES OF ANISOLE WITH BROMOBENZENE, O-DICHLOROBENZENE, O-CHLOROANILINE AND P-DIOXANE AT 298.15, 303.15 AND 313.15-K. *Fluid Phase Equilibria*. 60: 319-326.

Fate Literature Search Results

Off Topic

- Joshi, SS; Aminabhavi, TM; Balundgi, RH. (1991). EXCESS PROPERTIES OF BINARY-LIQUID MIXTURES OF NITROBENZENE WITH ALIPHATIC LIQUIDS IN THE TEMPERATURE-RANGE 298.15-313.15 K. 29: 541-544.
- Joshi, YS; Kumbharkhane, AC. (2012). Study of dielectric relaxation and hydrogen bonding in water+2-butoxyethanol mixtures using TDR technique. *Fluid Phase Equilibria*. 317: 96-101. <http://dx.doi.org/10.1016/j.fluid.2012.01.005>.
- Jozwiak, M. (2011). Effect of Base-Acid Properties of the Mixture of Water with Propan-1-ol on the Solution Enthalpy of Cyclic Ethers in This Mixture at T=298.15 K. *Journal of Chemical and Engineering Data*. 56: 4710-4714. <http://dx.doi.org/10.1021/je200695y>.
- Jozwiak, M; Kosiorowska, MA. (2010). Effect of Temperature on the Process of Hydrophobic Hydration. Part I. Hydrophobic Hydration of 1,4-Dioxane and 12-Crown-4 Ethers. *Journal of Chemical and Engineering Data*. 55: 2776-2780. <http://dx.doi.org/10.1021/je900996k>.
- Jozwiak, M; Kosiorowska, MA; Jozwiak, A. (2010). Enthalpy of Solvation of Monoglyme, Diglyme, Triglyme, Tetraglyme, and Pentaglyme in Mixtures of Water with N,N-Dimethylformamide at 298.15 K. *Journal of Chemical and Engineering Data*. 55: 5941-5945. <http://dx.doi.org/10.1016/j.e100659q>.
- Ju, S, eoHee; Kang, Y, unC. (2010). Effects of types of drying control chemical additives on the morphologies and electrochemical properties of Li4Ti5O12 anode powders prepared by spray pyrolysis. *J Alloy Comp*. 506: 913-916. <http://dx.doi.org/10.1016/j.jallcom.2010.07.114>.
- Ju, YH; Khaleel, AW; Fazary, AE. (2010). Guanidinium Protonation Equilibria of L-Canavanine in Different Ionic Media. *Journal of Chemical and Engineering Data*. 55: 3772-3778. <http://dx.doi.org/10.1021/je100292g>.
- Jumean, FH; Abdulrahim, Z. (1992). THERMODYNAMICS OF THE IONIZATION OF BORIC-ACID IN METHANOL-WATER AND 1,4-DIOXANE-WATER. *Ann Chim*. 82: 549-556.
- Jung, W, ooH; Lee, K, iTae; Lee, DH, an; Han, SC; Kim, Y; Lee, JO, o. (2009). Effects of Solvent, Film Thickness, and Hydrogen Bonding on Surface-Relief Gratings. *Polymer Engineering and Science*. 49: 922-929. <http://dx.doi.org/10.1002/pen.21222>.
- Jurvilliers, X; Schneider, R; Fort, Y; Walcarius, A; Ghanbaja, J. (2005). Novel single-phase and gram-scale synthesis of thiol-uncapped stable colloidal gold nanoparticles. *J Nanosci Nanotechnol*. 5: 282-287. <http://dx.doi.org/10.1166/jnn.2005.032>.
- Kabay, N. (1994). PREPARATION OF AMIDOXIME-FIBER ADSORBENTS BASED ON POLY(METHACRYLONITRILE) FOR RECOVERY OF URANIUM FROM SEAWATER. *Separation Science and Technology*. 29: 375-384.
- Kabir-ud-Din; Koya, PA. (2010). Micellar Properties and Related Thermodynamic Parameters of the 14-6-14, 2Br(-) Gemini Surfactant in Water plus Organic Solvent Mixed Media. *Journal of Chemical and Engineering Data*. 55: 1921-1929. <http://dx.doi.org/10.1021/je900894x>.
- Kacik, F; Kacikova, D; Giertlova, Z; Geffert, A. (1999). Changes of maple wood lignin (*Acer pseudoplatanus* L.) due to hydrothermal treatment. 44: 31-40.
- Kacik, F; Luptakova, J; Smira, P; Nasswetrova, A; Kacikova, D; Vacek, V. (2016). Chemical Alterations of Pine Wood Lignin during Heat Sterilization. *BioResources*. 11: 3442-3452.
- Kacik, F; Sindler, J; Kacikova, D. (1998). Chemical characteristics of lignin isolated from black locust wood after its hydrothermal treatment. *Cellulose Chemistry and Technology*. 32: 261-267.
- Kacik, FI; Melcer, I; Melcerova, A. (1992). CHARACTERISTIC OF HYDROTHERMAL AND THERMAL-TREATMENT OF BEECHWOOD - HYDROTHERMICALLY PRETREATED BEECH WOOD LIGNIN. *Holz als Roh- und Werkstoff*. 50: 79-84.
- Kadaba, PK. (1994). TRIAZOLINES .29. 1,5-DIARYL-DELTA(2)-1,2,3-TRIAZOLINES AS APHICIDES - MECHANISM OF ACTION VIA AZIRIDINE FORMATION. *Pestic Sci*. 42: 299-304.
- Kalali, HE; Demiriz, AM; Budde, J; Kohler, F; Dallos, A; Ratkovics, F. (1990). EXCESS GIBBS ENERGIES AND EXCESS VOLUMES OF THE MIXTURES ETHANOIC ACID + 1,4-DIOXANE AND OXOLANE. *Fluid Phase Equilibria*. 54: 111-120.
- Kaleeswaran, D; Vishnoi, P; Murugavel, R. (2015). [3+3] Imine and beta-ketoenamine tethered fluorescent covalent-organic frameworks for CO2 uptake and nitroaromatic sensing. 3: 7159-7171. <http://dx.doi.org/10.1039/c5tc00670h>.
- Kamal, M; Srivastava, AK. (2001). Styrene-co-acrylonitrile and poly(arsenicacrylate) based interpenetrating polymer network: synthesis and characterization. *React Funct Polym*. 49: 55-65. [http://dx.doi.org/10.1016/s1381-5148\(01\)00022-0](http://dx.doi.org/10.1016/s1381-5148(01)00022-0).
- Kameshima, Y; Tamura, Y; Nakajima, A; Okada, K. (2009). Preparation and properties of TiO2/montmorillonite composites. *Appl Clay Sci*. 45: 20-23. <http://dx.doi.org/10.1016/j.clay.2009.03.005>.
- Kammel, R; Tarabova, D; Machalicky, O; Nepras, M; Frumarova, B; Hanusek, J. (2016). Synthesis, characterization and spectral properties of new, highly fluorescent, 4-hydroxythiazoles. *Dyes and Pigments*. 128: 101-110. <http://dx.doi.org/10.1016/j.dyepig.2016.01.017>.
- Kamran-Pirzaman, A; Mohammadi, AH; Pahlavanzadeh, H. (2015). Thermodynamic Model for Prediction of Phase Equilibria of Clathrate Hydrates in the Presence of Water-Insoluble Organic Compounds. *Chemical Engineering Communications*. 202: 806-814. <http://dx.doi.org/10.1080/00986445.2013.878876>.
- Kanade, BV; Vakharia, MN; Pandya, MV; Patel, BM; Patel, AT; Oswal, SL. (1992). SURFACE TENSIONS OF BINARY-LIQUID MIXTURES AND THEIR CORRELATION WITH PRIGOGINE-FLORY-PATTERSON THEORY. 30: 308-312.
- Kani, I. (1995). THE COMPLEXATION OF CD(II) WITH SODIUM DIETHYLDITHIOCARBAMATE. *Turkish Journal of Chemistry*. 19: 224-230.
- Kanjolia, R; Jones, AC; Ashraf, S; Bacsa, J; Black, K; Chalker, PR; Beahan, P; Hindley, S; Odedra, R; Williams, PA; Heys, PN. (2011). Dimethylzinc adduct chemistry revisited: MOCVD of vertically aligned ZnO nanowires using the dimethylzinc 1,4-dioxane adduct. *J Cryst Growth*. 315: 292-296. <http://dx.doi.org/10.1016/j.jcrysgro.2010.09.016>.
- Kano, H; Goto, K; Suzuki, M; Yamazaki, K; Nishizawa, T; Arito, H; Yamamoto, S; Matsushima, T. (2002). An exposure system for combined administration of an organic solvent to rodents by inhalation and water-drinking and its operational performance. *J Occup Health*. 44: 119-124. <http://dx.doi.org/10.1539/joh.44.119>.
- Kapadi, UR; Chavan, SK. (1994). VISCOSITIES AND PARTIAL MOLAR VOLUMES OF [(CH3)4N](2)CENTER-DOT-HGCL4 IN DIOXANE-WATER MIXTURES. *Indian J Chem Tech*. 1: 314-316.

Fate Literature Search Results

Off Topic

- Karbe, E; Kerlin, RL. (2002). Cystic degeneration/spongiosis hepatitis in rats. *Toxicol Pathol.* 30: 216-227. <http://dx.doi.org/10.1080/019262302753559551>.
- Karboune, S; Archelas, A; Baratti, JC. (2010). Free and immobilized *Aspergillus niger* epoxide hydrolase-catalyzed hydrolytic kinetic resolution of racemic p-chlorostyrene oxide in a neat organic solvent medium. *Process Biochemistry.* 45: 210-216. <http://dx.doi.org/10.1016/j.procbio.2009.09.009>.
- Karczewski, S; Piasecki, A; Maliszewska, I. (2008). Synthesis and surface properties of dicephalic surfactants with a 1,3-dioxane ring. *Journal of Surfactants and Detergents.* 11: 201-205. <http://dx.doi.org/10.1007/s11743-008-1073-7>.
- Karimova, K; Akhmedov, K; Qazi, I; Khan, TA. (2007). Poly-N-epoxypropylcarbazole complexes photocapacitive detectors. *J Optoelect Adv Mater.* 9: 2867-2872.
- Karpenko, IA; Niko, Y; Yakubovskiy, VP; Gerasov, AO; Bonnet, D; Kovtun, YP; Klymchenko, AS. (2016). Push-pull dioxaborine as fluorescent molecular rotor: far-red fluorogenic probe for ligand-receptor interactions. 4: 3002-3009. <http://dx.doi.org/10.1039/c5tc03411f>.
- Karra, JR; Huang, Y, ouGui; Walton, KS. (2013). Synthesis, Characterization, and Adsorption Studies of Nickel(II), Zinc(II), and Magnesium(II) Coordination Frameworks of BTTB. *Cryst Growth Des.* 13: 1075-1081. <http://dx.doi.org/10.1021/cg3013393>.
- Karunakaran, C; Karuthapandian, S. (2006). Solar photooxidation of diphenylamine. *Solar Energy Materials and Solar Cells.* 90: 1928-1935. <http://dx.doi.org/10.1016/j.solmat.2005.12.003>.
- Karymov, MA; Prochazka, K; Mendenhall, JM; Martin, TJ; Munk, P; Webber, SE. (1996). Chemical attachment of polystyrene-block-poly(methacrylic acid) micelles on a silicon nitride surface. *Langmuir.* 12: 4748-4753.
- Kasai, T. (2008). 1,4-Dioxane toxicity studies [Personal Communication].
- Kasem, KK. (1994). SOLVENT EFFECTS ON THE REDOX BEHAVIOR OF SILICOTUNGSTATE IN MIXTURES OF SOME OXOANIONS AND THEIR POTENTIAL ANALYTICAL APPLICATIONS. *Ann Chim.* 84: 365-377.
- Kasoju, N; Kubies, D; Sedlačik, T; Janoušková, O; Koubková, J; Kumorek, MM; Rypáček, F. (2016). Polymer scaffolds with no skin-effect for tissue engineering applications fabricated by thermally induced phase separation. 11: 015002. <http://dx.doi.org/10.1088/1748-6041/11/1/015002>.
- Kasper, P; Uno, Y; Mauthe, R; Asano, N; Douglas, G; Matthews, E; Moore, M; Mueller, L; Nakajima, M; Singer, T; Speit, G. (2007). Follow-up testing of rodent carcinogens not positive in the standard genotoxicity testing battery: IWGT workgroup report [Review]. *Mutat Res.* 627: 106-116. <http://dx.doi.org/10.1016/j.mrgentox.2006.10.007>.
- Kastelankunst, L; Dananic, V; Kunst, B; Kosutic, K. (1996). Preparation and porosity of cellulose triacetate reverse osmosis membranes. *J Memb Sci.* 109: 223-230.
- Kastelankunst, L; Sambraileo, D; Kunst, B. (1991). ON THE SKINNED CELLULOSE TRIACETATE MEMBRANES FORMATION. *Desalination.* 83: 331-342.
- Katagiri, T; Nagano, K; Aiso, S; Senoh, H; Sakura, Y; Takeuchi, T; Okudaira, M. (1998). A pathological study on spontaneous hepatic neoplasms in BDF1 mice. *J Toxicol Pathol.* 11: 21-25. <http://dx.doi.org/10.1293/tox.11.21>.
- Katayama, H; Ichikawa, MA. (1995). LIQUID-LIQUID EQUILIBRIA OF 3 TERNARY-SYSTEMS - METHANOL-HEPTANE INCLUDING 1,3-DIOXOLANE, 1,4-DIOXANE AND TETRAHYDROPYRAN IN THE RANGE OF 253.15 TO 303.15K. *J Chem Eng Jpn.* 28: 412-418.
- Katayama, H; Satoh, T. (2015). Liquid-Liquid Equilibria of Three Ternary Systems: {Glycerol plus Benzene plus Methanol}, {Glycerol plus Benzene plus Ethanol}, and {Glycerol plus Benzene+1-Propanol}. *Journal of Chemical and Engineering Data.* 60: 828-835. <http://dx.doi.org/10.1021/je500939v>.
- Katayama, H; Satoh, T. (2015). Liquid-Liquid Equilibria of Three Ternary Systems: Glycerol plus Acetone plus Water, Glycerol+1, 4-Dioxane + Water, and Glycerol plus Acetonitrile plus Water. 22: 1-15.
- Kato, M; Konishi, H; Hirata, M. (1970). APPARATUS FOR MEASUREMENT OF ISOBARIC DEW AND BUBBLE POINTS AND VAPOR-LIQUID EQUILIBRIA - METHANOL-WATER AND WATER-DIOXANE SYSTEMS. *Journal of Chemical and Engineering Data.* 15: 501-&.
- Kavvadias, D; Beuerle, T; Wein, M; Boss, B; Konig, T; Schwab, W. (1999). Novel 1,3-dioxanes from apple juice and cider. *J Agric Food Chem.* 47: 5178-5183.
- Kawai, A; Ikeda, T; Kiyozumi, Y; Chiku, H; Mizukami, F. (2006). Effect of alkali cations on the synthesis of novel layered silicates in the system SiO₂-tetramethylammonium hydroxide-1,4-dioxane. *Mater Chem Phys.* 99: 470-473. <http://dx.doi.org/10.1016/j.matchemphys.2005.11.026>.
- Kawai, A; Urabe, Y; Itoh, T; Mizukami, F. (2010). Immobilization of lysozyme on the layered silicate RUB-15. *Mater Chem Phys.* 122: 269-272. <http://dx.doi.org/10.1016/j.matchemphys.2010.02.047>.
- Kawai, S; Ohashi, H; Hirai, T; Okuyama, H; Higuchi, T. (1993). DEGRADATION OF SYRINGYL LIGNIN MODEL POLYMER BY LACCASE OF CORIOLUS-VERSICOLOR. 39: 98-102.
- KAWAIZUMI, F; Miyahara, Y. (1970). HYDRATION OF COMPLEXES .4. HYDRATION OF COMPLEXES IN WATER-DIOXANE SYSTEMS. 91: 333-&.
- Kawamura, T; Takeya, S; Ohtake, M; Yamamoto, Y. (2011). Enclathration of hydrogen by organic-compound clathrate hydrates. *Chem Eng Sci.* 66: 2417-2420. <http://dx.doi.org/10.1016/j.ces.2011.03.002>.
- Kawata, K; Ibaraki, T; Tanabe, A; Yasuhara, A. (2003). Distribution of 1,4-dioxane and N, N-dimethylformamide in river water from Niigata, Japan. *Bull Environ Contam Toxicol.* 70: 876-882. <http://dx.doi.org/10.1007/s00128-003-0064-7>.
- Kawata, K; Tanabe, A. (2009). Distribution and variation of 1,4-dioxane in water from rivers in Niigata including the Shinano River. *Bull Environ Contam Toxicol.* 82: 673-677. <http://dx.doi.org/10.1007/s00128-009-9697-5>.
- Kebede, Z; Lindquist, SE. (1999). Donor-acceptor interaction between non-aqueous solvents and I-2 to generate I-3(-), and its implication in dye sensitized solar cells. *Solar Energy Materials and Solar Cells.* 57: 259-275.

Fate Literature Search Results

Off Topic

- Khalil, MM; El-Deeb, MM; Mahmoud, RK. (2007). Equilibrium studies of binary systems involving lanthanide and actinide metal ions and some selected aliphatic and aromatic monohydroxamic acids. *Journal of Chemical and Engineering Data*. 52: 1571-1579. <http://dx.doi.org/10.1021/je600541a>.
- Khalil, MM; Radalla, AM; Mohamed, AG. (2009). Potentiometric Investigation on Complexation of Divalent Transition Metal Ions with Some Zwitterionic Buffers and Triazoles. *Journal of Chemical and Engineering Data*. 54: 3261-3272. <http://dx.doi.org/10.1021/je9002459>.
- Khalyfa, A; Kermasha, S; Alli, I. (1992). EXTRACTION, PURIFICATION, AND CHARACTERIZATION OF CHLOROPHYLLS FROM SPINACH LEAVES. *J Agric Food Chem*. 40: 215-220.
- Khan, E; Wirojanagud, W; Sermasai, N. (2009). Effects of iron type in Fenton reaction on mineralization and biodegradability enhancement of hazardous organic compounds. *J Hazard Mater*. 161: 1024-1034. <http://dx.doi.org/10.1016/j.jhazmat.2008.04.049>.
- Khan, MN; Al Dwayyan, AS; Al Hoshan, M. (2013). Morphology and optical properties of a porous silicon-doped sol-gel host. *Electronic Materials Letters*. 9: 697-703. <http://dx.doi.org/10.1007/s13391-013-2241-0>.
- Khan, UA; Afsar, MN. (2007). Measurement of broadband dielectric properties of cyclohexane, chlorobenzene, 10% formalin, and 1,4-dioxane using dispersive Fourier transform spectroscopy. *I E E Transactions on Instrumentation and Measurement*. 56: 2354-2359. <http://dx.doi.org/10.1109/TIM.2007.908325>.
- Kher, SS; Wells, RL. (1994). A STRAIGHTFORWARD, NEW METHOD FOR THE SYNTHESIS OF NANOCRYSTALLINE GAAS AND GAP. *Chem Mater*. 6: 2056-2062.
- Kilbinger, AFM; Feast, WJ. (2000). Solution processable alternating oligothiophene-PEO-block-co-polymers: synthesis and evidence for solvent dependent aggregation. *J Mater Chem*. 10: 1777-1784.
- Kim, B; Lee, J. (2013). Directional crystallization of dioxane in the presence of PVDF producing porous membranes. *J Cryst Growth*. 373: 45-49. <http://dx.doi.org/10.1016/j.jcrysgro.2012.09.005>.
- Kim, BS; Lee, J. (2013). Pore size reduction in directional crystallization processing of porous polymeric membranes. *J Nanosci Nanotechnol*. 13: 2276-2283. <http://dx.doi.org/10.1166/jnn.2013.7096>.
- Kim, CG; Seo, HJ; Lee, BR. (2006). Decomposition of 1,4-dioxane by advanced oxidation and biochemical process. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 41: 599-611. <http://dx.doi.org/10.1080/10934520600574807>.
- Kim, D, oY; Park, Y; Lee, H. (2007). Tuning clathrate hydrates: Application to hydrogen storage. *Catalysis Today*. 120: 257-261. <http://dx.doi.org/10.1016/j.cattod.2006.09.001>.
- Kim, HD; Bae, EH; Kwon, IC; Pal, RR; Nam, JD; Lee, DS. (2004). Effect of PEG-PLLA diblock copolymer on macroporous PLLA scaffolds by thermally induced phase separation. *Biomaterials*. 25: 2319-2329. <http://dx.doi.org/10.1016/j.biomaterials.2003.09.011>.
- Kim, HS; Kwon, BH; Yoa, SJ, un; Kim, I, IKyu. (2008). Degradation of 1,4-Dioxane by Photo-Fenton Processes. *J Chem Eng Jpn*. 41: 829-835.
- Kim, I, nC; Jin, YS; Song, D; Ahn, S, uH; Park, Y; Kim, B; Jegal, J; Seo, B; Kim, J; Kwon, Y; Mo, C; Lee, J; Kim, DS; Lim, S. (2013). Preparation of ultrafiltration membrane by newly synthesized AMC polymer. *Desalination and Water Treatment*. 51: 5196-5203. <http://dx.doi.org/10.1080/19443994.2013.768425>.
- Kim, J; Haam, S; Park, DW; Ahn, IS; Lee, TG; Kim, HS; Kim, WS. (2004). Biocatalytic esterification of beta-methylglucoside for synthesis of biocompatible sugar-containing vinyl esters. *Chem Eng J*. 99: 15-22. <http://dx.doi.org/10.1016/j.cej.2003.09.001>.
- Kim, J, inW; Taki, K; Nagamine, S; Ohshima, M. (2008). Preparation of poly(L-lactic acid) honeycomb monolith structure by unidirectional freezing and freeze-drying. *Chem Eng Sci*. 63: 3858-3863. <http://dx.doi.org/10.1016/j.ces.2008.04.036>.
- Kim, JJ, u; Bang, S, oHee; El-Fiqi, A; Kim, H, aeWon. (2014). Fabrication of nanofibrous macroporous scaffolds of poly(lactic acid) incorporating bioactive glass nanoparticles by camphene-assisted phase separation. *Mater Chem Phys*. 143: 1092-1101. <http://dx.doi.org/10.1016/j.matchemphys.2013.11.009>.
- Kim, JW; Taki, K; Nagamine, S; Ohshima, M. (2009). Preparation of porous poly(L-lactic acid) honeycomb monolith structure by phase separation and unidirectional freezing. *Langmuir*. 25: 5304-5312. <http://dx.doi.org/10.1021/la804057e>.
- Kim, KW; Lee, BH; Kim, S; Kim, HJ; Yun, JH; Yoo, SE; Sohn, JR. (2011). Reduction of VOC emission from natural flours filled biodegradable bio-composites for automobile interior. *J Hazard Mater*. 187: 37-43. <http://dx.doi.org/10.1016/j.jhazmat.2010.07.075>.
- Kim, M, inSoo; Chang, J, iY. (2011). Preparation of multifunctional mesoporous silica particles: the use of an amphiphilic silica precursor with latent amine functionality in selective functionalization of the inner surface. *J Mater Chem*. 21: 8766-8771. <http://dx.doi.org/10.1039/c1jm10440c>.
- Kim, MY; Lee, YW; Byun, HS; Lim, JS. (2006). Recrystallization of poly(L-lactic acid) into submicrometer particles in supercritical carbon dioxide. *Ind Eng Chem Res*. 45: 3388-3392. <http://dx.doi.org/10.1021/ie050711b>.
- Kim, NH; Won, YS; Choi, JS. (1998). Partial molar heat of mixing at infinite dilution in solvent/polymer (PEG, PMMA, P(ET-VA)) solutions. *Fluid Phase Equilibria*. 146: 223-246.
- Kim, S; Baek, I, IH; You, JK; Seo, Y. (2015). Guest gas enclathration in tetra-n-butyl ammonium chloride (TBAC) semiclathrates: Potential application to natural gas storage and CO2 capture. *Appl Energy*. 140: 107-112. <http://dx.doi.org/10.1016/j.apenergy.2014.11.076>.
- Kim, SI, I; Kim, CU, ng; Park, S, oJin. (2006). Solubility of organic systems containing 1,4-dioxan-2-one. *Journal of Chemical and Engineering Data*. 51: 1182-1184. <http://dx.doi.org/10.1021/je050406x>.
- Kim, W; Chang, J, iY. (2011). Molecularly imprinted polyimide nanofibers prepared by electrospinning. *Mater Lett*. 65: 1388-1391. <http://dx.doi.org/10.1016/j.matlet.2011.02.010>.
- Kim, Y; Park, K, eeY; Jang, DM; Song, Y, unMi; Kim, H, anS; Cho, YJ, ae; Myung, Y; Park, J. (2010). Synthesis of Au-Cu₂S Core-Shell Nanocrystals and Their Photocatalytic and Electrocatalytic Activity. *J Phys Chem C*. 114: 22141-22146. <http://dx.doi.org/10.1021/jp109127m>.
- Kim, YS; Meshitsuka, G; Ishizu, A. (1994). STRUCTURAL HETEROGENEITY OF LIGNIN - CONTRIBUTION OF CARBON-CARBON BONDS. 40: 407-413.

Fate Literature Search Results

Off Topic

- Kinart, CM; Kinart, WJ; Cwiklinska, A. (2002). Densities and relative permittivities for 2-methoxyethanol plus dioxane from (291.15 to 313.15) K. *Journal of Chemical and Engineering Data*. 47: 23-25. <http://dx.doi.org/10.1021/je010046n>.
- Kiran; Rana, DS; Balokhra, RL; Umar, A; Chauhan, S. (2012). A thermodynamic study of 1,4-dioxane across cellulose acetate membrane under different conditions. *Fluid Phase Equilibria*. 322: 148-158. <http://dx.doi.org/10.1016/j.fluid.2012.03.013>.
- Kiraz, A; Sinag, A; Tekes, AT; Misirlioglu, Z; Canel, M. (2004). Effect of pre-swelling on extractability and solvent swelling of Ermenek lignite (Turkey). *Energy Sources*. 26: 431-439. <http://dx.doi.org/10.1080/00908310490429678>.
- Kishimoto, N; Kitamura, T; Kato, M; Otsu, H. (2013). Reusability of iron sludge as an iron source for the electrochemical Fenton-type process using Fe²⁺/HOCl system. *Water Res*. 47: 1919-1927. <http://dx.doi.org/10.1016/j.watres.2013.01.021>.
- Kishimoto, N; Kitamura, T; Nakamura, Y. (2015). Applicability of an electrochemical Fenton-type process to actual wastewater treatment. *Water Sci Technol*. 72: 850-857. <http://dx.doi.org/10.2166/wst.2015.279>.
- Kishimoto, N; Nakagawa, T; Asano, M; Abe, M; Yamada, M; Ono, Y. (2008). Ozonation combined with electrolysis of 1,4-dioxane using a two-compartment electrolytic flow cell with solid electrolyte. *Water Res*. 42: 379-385. <http://dx.doi.org/10.1016/j.watres.2007.07.029>.
- Kishimoto, N; Nakagawa, T; Okada, H; Mizutani, H. (2011). Effect of Separation of Ozonation and Electrolysis on Effective Use of Ozone in Ozone-Electrolysis Process. *Ozone: Science and Engineering*. 33: 463-469. <http://dx.doi.org/10.1080/01919512.2011.615282>.
- Kishimoto, N; Nakamura, E, ri. (2011). Effects of Ozone-Gas Bubble Size and pH on Ozone/UV Treatment. *Ozone: Science and Engineering*. 33: 396-402. <http://dx.doi.org/10.1080/01919512.2011.603657>.
- Kishimoto, N; Nakamura, Y, u; Kato, M; Otsu, H. (2015). Effect of oxidation-reduction potential on an electrochemical Fenton-type process. *Chem Eng J*. 260: 590-595. <http://dx.doi.org/10.1016/j.cej.2014.09.056>.
- Kishimoto, N; Nishimura, H. (2015). Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. *Environ Technol*. 36: 2436-2442. <http://dx.doi.org/10.1080/09593330.2015.1034187>.
- Kishimoto, N; Sugimura, E. (2010). Feasibility of an electrochemically assisted Fenton method using Fe(2 +)/HOCl system as an advanced oxidation process. *Water Sci Technol*. 62: 2321-2329. <http://dx.doi.org/10.2166/wst.2010.203>.
- Kishimoto, N; Yasuda, Y; Mizutani, H; Ono, Y. (2007). Applicability of ozonation combined with electrolysis to 1,4-dioxane removal from wastewater containing radical scavengers. *Ozone: Science and Engineering*. 29: 13-22. <http://dx.doi.org/10.1080/01919510601096718>.
- Kitaev, V; Kumacheva, E. (1998). Self-assembly of polypeptide molecules on charged surfaces. 1. Effect of polydispersity. *Langmuir*. 14: 5568-5572.
- Klein, AP; Beach, ES; Emerson, JW; Zimmerman, JB. (2010). Accelerated solvent extraction of lignin from *Aleurites moluccana* (Candlenut) nutshells. *J Agric Food Chem*. 58: 10045-10048. <http://dx.doi.org/10.1021/jf1019856>.
- Klepacova, K; Mravec, D; Kaszonyi, A; Bajus, M. (2007). Etherification of glycerol and ethylene glycol by isobutylene. *Appl Catal A-Gen*. 328: 1-13. <http://dx.doi.org/10.1016/j.apcata.2007.03.031>.
- Klohr, E; Zugenmaier, P. (1994). POLYMER-SOLVENT EFFECTS IN CELLULOSE URETHANE AND METHYL CELLULOSE URETHANE SOLUTIONS. *Cellulose*. 1: 259-280.
- Knapas, K; Hatanpaa, T; Ritala, M; Leskela, M. (2010). In Situ Reaction Mechanism Studies on Atomic Layer Deposition of Sb₂Te₃ and GeTe from (Et₃Si)(₂)Te and Chlorides. *Chem Mater*. 22: 1386-1391. <http://dx.doi.org/10.1021/cm902180d>.
- Ko, W, eiYi; Chen, L, iJen; Lin, ST, ai; Chen, Y, anP. (2011). Measurements for the Dissociation Conditions of Methane Hydrate in the Presence of 1,3,5-Trioxane and Oxolan-2-ylmethanol. *Journal of Chemical and Engineering Data*. 56: 3406-3410. <http://dx.doi.org/10.1021/je200396x>.
- Koca, M; Kurt, A; Kirilmis, C; Aydogdu, Y. (2012). Synthesis, characterization, and thermal degradation of novel poly(2-(5-bromo benzofuran-2-yl)-2-oxoethyl methacrylate). *Polymer Engineering and Science*. 52: 323-330. <http://dx.doi.org/10.1002/pen.22085>.
- Kohmoto, S; Chuko, T; Hisamatsu, S; Okuda, Y; Masu, H; Takahashi, M; Kishikawa, K. (2015). Piezoluminescence and Liquid Crystallinity of 4,4'-(9,10-Anthracenediyl)bispyridinium Salts. *Cryst Growth Des*. 15: 2723-2731. <http://dx.doi.org/10.1021/acs.cgd.5b00028>.
- Koissi, N; Shah, NH; Ginevan, B; Eck, WS; Roebuck, BD; Fishbein, JC. (2012). Lactone metabolite common to the carcinogens dioxane, diethylene glycol, and N-nitrosomorpholine: aqueous chemistry and failure to mediate liver carcinogenesis in the F344 rat. *Chem Res Toxicol*. 25: 1022-1028. <http://dx.doi.org/10.1021/tx3000076>.
- Komatsu, H; Yamamoto, H. (1996). Vapor-liquid equilibrium data for two ternary systems of ethanol-water-dioxane and ethyl acetate-water-dioxane at atmospheric pressure. *Kagaku Kogaku Ronbunshu*. 22: 378-384.
- Kondo, T; Ohshita, T; Kyuma, T. (1992). COMPARISON OF CHARACTERISTICS OF SOLUBLE LIGNINS FROM UNTREATED AND AMMONIA-TREATED WHEAT STRAW. *Anim Feed Sci Technol*. 39: 253-263.
- Kondo, T; Ohshita, T; Kyuma, T. (1993). CHARACTERISTICS OF DIOXANE-SOLUBLE LIGNINS FROM CORN AND SORGHUM SILAGES AND FECES OF SHEEP FED ON THEM. *Canadian Journal of Animal Science*. 73: 661-664.
- Kondo, T; Ohshita, T; Kyuma, T. (1993). ISOLATION AND CHARACTERIZATION OF DIOXANE-SOLUBLE LIGNINS FROM FECES OF SHEEP FED ON ORCHARDGRASS HAY AND SILAGE. *Anim Feed Sci Technol*. 41: 213-221.
- Kondo, T; Ohshita, T; Kyuma, T. (1994). COMPARISON OF PHENOLIC-ACIDS IN LIGNIN FRACTIONS FROM FORAGE GRASSES BEFORE AND AFTER DIGESTION BY SHEEP. *Anim Feed Sci Technol*. 47: 277-285.
- Kondo, T; Ohshita, T; Kyuma, T. (1994). RELEASE OF SOLUBLE LIGNIN FRAGMENTS FROM ORCHARDGRASS DURING ITS PASSAGE THROUGH THE RUMEN. *J Sci Food Agric*. 65: 429-431.
- Kondo, T; Ohshita, T; Kyuma, T. (1997). Structural changes of forage grass lignin by rumen digestion: Characteristics of soluble lignin released from timothy (*Phleum pratense* L) by in vitro rumen digestion. *JARQ*. 31: 49-53.

Fate Literature Search Results

Off Topic

- Kondo, T; Ohshita, T; Kyuma, T; Touno, E; Murai, M. (1999). Characterization of soluble lignin released from alfalfa by sheep digestion. *Anim Feed Sci Technol.* 80: 321-328.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1995). COMPARATIVE CHARACTERIZATION OF DIOXANE-SOLUBLE LIGNINS RELEASED BY BALL-MILLING AND BY SHEEP DIGESTION FROM FORAGE GRASSES. *J Sci Food Agric.* 68: 383-388.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1998). Physico-chemical characteristics of soluble lignin fractions released from forage grasses by ruminant digestion. *JARQ.* 32: 187-195.
- Kong, XX; Tang, BZ. (1998). Synthesis and novel mesomorphic properties of the side-chain liquid crystalline polyacetylenes containing phenyl benzoate mesogens with cyano and methoxy tails. *Chem Mater.* 10: 3352-3363.
- Kooli, F. (2002). Recrystallization of a new layered silicate from Na-kanemite-tetramethylammonium hydroxide-water-1,4-dioxane mixture. *J Mater Chem.* 12: 1374-1380. <http://dx.doi.org/10.1039/b107252h>.
- Kooli, F; Kiyozumi, Y; Mizukami, F. (2003). Effect of alkali cations on the conversion of H-magadiite in tetramethylammonium hydroxide-water-1,4-dioxane system. *Mater Chem Phys.* 77: 134-140.
- Kooli, F; Mizukami, F; Kiyozumi, Y; Akiyama, Y. (2001). Hydrothermal conversion of Na-magadiite to a new silicate layered structure in a TMAOH-water-1,4-dioxane system. *J Mater Chem.* 11: 1946-1950.
- Kopylev, L; Fox, J; Chen, C. (2009). Combining risks from several tumors using Markov Chain Monte Carlo. In RM Cooke (Ed.), (1 ed., pp. 197-205). Hoboken, NJ: John Wiley & Sons.
- Koriakin, A; Van Nguyen, H, ai; Kim, D, ooW; Lee, CH, a. (2014). Direct thermochemical liquefaction of microcrystalline cellulose by sub- and supercritical organic solvents. *Journal of Supercritical Fluids.* 95: 175-186. <http://dx.doi.org/10.1016/j.supflu.2014.08.017>.
- Korlyukov, AA; Vologzhanina, AV; Buzin, MI; Sergienko, NV; Zavin, BG; Muzafarov, AM. (2016). Cu(II)-Silsequioxanes as Secondary Building Units for Construction of Coordination Polymers: A Case Study of Cesium-Containing Compounds. *Cryst Growth Des.* 16: 1968-1977. <http://dx.doi.org/10.1021/acs.cgd.5b01554>.
- Korovchenko, P; Donze, C; Gallezot, P; Besson, M. (2007). Oxidation of primary alcohols with air on carbon-supported platinum catalysts for the synthesis of aldehydes or acids. *Catalysis Today.* 121: 13-21. <http://dx.doi.org/10.1016/j.cattod.2006.11.007>.
- Kosaka, K; Yamada, H; Matsui, S; Shishida, K. (2000). The effects of the co-existing compounds on the decomposition of micropollutants using the ozone/hydrogen peroxide process. *Water Sci Technol.* 42: 353-361.
- Kosikova, B. (1999). Structural changes of lignin during steaming of beechwood pretreated with Na₂S₂O₄. 44: 19-27.
- Kosikova, B. (2009). MORPHOLOGICAL AND CHEMICAL CHARACTERISTICS OF STEM AND KNOT POPLAR WOOD. 54: 117-122.
- Kosikova, B; Bucko, J. (1996). Behaviour of lignin-polysaccharide complex of beechwood upon vacuum drying process. 41: 31-40.
- Kosikova, B; Ebringerova, A. (1994). BEHAVIOR OF THE LIGNIN POLYSACCHARIDE COMPLEX OF PINE WOOD IN SODA-OXYGEN PULPING. *Appita.* 47: 327-329.
- Kosikova, B; Ebringerova, A. (1994). LIGNIN-CARBOHYDRATE BONDS IN A RESIDUAL SODA SPRUCE PULP LIGNIN. *Wood Science and Technology.* 28: 291-296.
- Kosikova, B; Ebringerova, A. (1999). Structural characteristics of the lignin-carbohydrate complex of spruce soda pulp. *Cellulose Chemistry and Technology.* 33: 445-454.
- Kosikova, B; Ebringerova, A; Naran, R. (1999). Characterization of lignin-carbohydrate fractions isolated from the wood parasite *Cistanche deserticola* Y. C. Ma. *Holzforchung.* 53: 33-38.
- Kosikova, B; Sasinkova, V; Tolvaj, L; Papp, G; Szatmari, S; Nagy, T. (2001). Effect of UV-laser irradiation on structural changes of maplewood lignin-polysaccharide complex. 46: 11-18.
- Kosmulski, M; Matijevic, E. (1991). MICROELECTROPHORESIS OF SILICA IN MIXED-SOLVENTS OF LOW DIELECTRIC-CONSTANT. *Langmuir.* 7: 2066-2071.
- Kostoryz, EL; Tong, PY; Chappelow, CC; Glaros, AG; Eick, JD; Yourtee, DM. (2000). In vitro toxicity of spiroorthocarbonate monomers designed for non-shrinking dental restoratives. *J Biomater Sci Polym Ed.* 11: 187-196. <http://dx.doi.org/10.1163/156856200743643>.
- Kostoryz, EL; Wetmore, LA; Brockmann, WG; Yourtee, DM; Eick, JD. (2004). Genotoxicity assessment of oxirane-based dental monomers in mammalian cells. *J Biomed Mater Res A.* 68: 660-667. <http://dx.doi.org/10.1002/jbm.a.20077>.
- Kouissi, T; Bouanz, M. (2010). Density and refractive index measurements of critical mixture 1,4-dioxane + water plus saturated KCl in homogenous phase region. *Fluid Phase Equilibria.* 293: 79-86. <http://dx.doi.org/10.1016/j.fluid.2010.02.018>.
- Kouissi, T; Bouanz, M. (2010). Transport Properties in 1,4-Dioxane + Water plus Saturated KCl Critical Mixture by Measuring Viscosity and Electrical Conductivity. *Journal of Chemical and Engineering Data.* 55: 320-326. <http://dx.doi.org/10.1021/jc900351t>.
- Kouissi, T; Bouanz, M; Ouerfelli, N. (2009). KCl-Induced Phase Separation of 1,4-Dioxane + Water Mixtures Studied by Electrical Conductivity and Refractive Index. *Journal of Chemical and Engineering Data.* 54: 566-573. <http://dx.doi.org/10.1021/jc8005002>.
- Kouissi, T; Toumi, A; Bouanz, M. (2015). Density, Speed of Sound, and Refractive Index Measurements for the Binary Mixture (1, 4-Dioxane + Isobutyric Acid) at T = (295.15, 298.15, 301.15, 304.15, 307.15, 310.15, and 313.15) K. *Journal of Chemical and Engineering Data.* 60: 1975-1985. <http://dx.doi.org/10.1021/jc5010643>.
- Koutu, BB; Sharma, RK. (1996). Synthesis of a flame-retardant dope additive dithiopyrophosphate and its effect on viscose rayon fibres. *Indian Journal of Fibre & Textile Research.* 21: 140-142.
- Kramarz, KW; Klingler, RJ; Fremgen, DE; Rathke, JW. (1999). Toroid NMR probes for the in situ examination of homogeneous cobalt hydroformylation catalysts at high pressures and temperatures. *Catalysis Today.* 49: 339-352.
- Krewski, D; Withey, JR; Ku, LF; Andersen, ME. (1994). Applications of physiologic pharmacokinetic modeling in carcinogenic risk assessment [Review]. *Environ Health Perspect.* 102: 37-50.

Fate Literature Search Results

Off Topic

- Kricsfalussy, Z. (1983). EXPERIMENTAL STUDIES ON THE REACTION-KINETICS OF THE CATALYTIC CLEAVAGE OF 4,4-DIMETHYL-1,3-DIOXANE TO GIVE ISOPRENE IN THE GAS-PHASE. *Chem Ing Tech.* 55: 965-967.
- Krishnaiah, A; Surendranath, KN. (1996). Densities, speeds of sound, and viscosities of mixtures of oxolane with chloroethanes and chloroethenes. *Journal of Chemical and Engineering Data.* 41: 1012-1014.
- Krishnaiah, A; Surendranath, KN; Viswanath, DS. (1994). EXCESS VOLUMES AND VISCOSITIES OF 1,4-DIOXANE PLUS CHLORINATED ETHANES OR PLUS CHLORINATED ETHENES AT 303.15-K. *Journal of Chemical and Engineering Data.* 39: 756-758.
- Krishnan, K; G, J. (2005). Physiologically-based pharmacokinetic and toxicokinetic models in cancer risk assessment [Review]. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 23: 31 - 53. <http://dx.doi.org/10.1081/GNC-200051856>.
- Kroeger, A; Li, X; Eisenberg, A. (2007). Dendrimer-influenced supramolecular structure formation of block copolymers. *Langmuir.* 23: 10732-10740. <http://dx.doi.org/10.1021/la701334r>.
- Kron, TE; Petrov, ES. (2003). Hydrocarbobotoxylation of heptene-1 catalyzed by a Pd(0) complex in the presence of methanesulfonic acid. *Petroleum Chemistry.* 43: 375-378.
- Kruihof, JC; Kamp, PC; Martijn, BJ. (2007). UV/H₂O₂ treatment: A practical solution for organic contaminant control and primary disinfection. *Ozone: Science and Engineering.* 29: 273-280. <http://dx.doi.org/10.1080/01919510701459311>.
- Krzymien, ME. (1993). SOLUBILITY OF 2,3-DIMETHYL-2,3-DINITROBUTANE. *Journal of Chemical and Engineering Data.* 38: 326-327.
- Kuila, SB; Ray, SK. (2012). Sorption and permeation studies of tetrahydrofuran-water mixtures using full interpenetrating network membranes. *Separation and Purification Technology.* 89: 39-50. <http://dx.doi.org/10.1016/j.seppur.2012.01.005>.
- Kukkar, D; Kaur, I; Singh, J; Bharadwaj, LM. (2015). Plasticizers Induced Formation of Microcapsules From Freeze Dried Polystyrene Microreactors. *Int J Polym Mater.* 64: 385-391. <http://dx.doi.org/10.1080/00914037.2014.958825>.
- Kumar, A; Prabhune, A; Suresh, CG; Pundle, A. (2008). Characterization of smallest active monomeric penicillin V acylase from new source: A yeast, *Rhodotorula aurantiaca* (NCIM 3425). *Process Biochemistry.* 43: 961-967. <http://dx.doi.org/10.1016/j.procbio.2008.04.024>.
- Kumar, MD; Kumar, PA; Rajendran, M. (2003). Salt effect on the enthalpy of mixing of 1,4-dioxane plus acetic acid at 303.15 K. *Journal of Chemical and Engineering Data.* 48: 1422-1424. <http://dx.doi.org/10.1021/je025654x>.
- Kumar, P; Kadam, MM; Gaikar, VG. (2012). Low Molecular Weight Organogels and Their Application in the Synthesis of CdS Nanoparticles. *Ind Eng Chem Res.* 51: 15374-15385. <http://dx.doi.org/10.1021/ie300947x>.
- Kumar, S; Sharma, VK; Moon, I, I. (2010). Speed of Sound and Excess Isentropic Compressibility of 1,3-Dioxolane or 1,4-Dioxane + Butan-1-ol or + Butan-2-ol Binary Mixtures at 308.15 K and Atmospheric Pressure. *Ind Eng Chem Res.* 49: 8365-8368. <http://dx.doi.org/10.1021/ie101286f>.
- Kuo, CY, in; Su, SL; Tsai, H, uiAn; Su, Y, uS; Wang, D, aM; Lai, JY, ih. (2008). Formation and evolution of a bicontinuous structure of PMMA membrane during wet immersion process. *J Memb Sci.* 315: 187-194. <http://dx.doi.org/10.1016/j.memsci.2008.02.034>.
- Kuo, P, eiYu; Barros, L, deA; Sain, M; Tjong, JSY; Yan, N. (2016). Effects of Reaction Parameters on the Glycidyl Etherification of Bark Extractives during Bioepoxy Resin Synthesis. 4: 1016-1024. <http://dx.doi.org/10.1021/acssuschemeng.5b01098>.
- Kuo, PC; Chen, L, iJen; Lin, ST, ai; Chen, Y, anP. (2010). Measurements for the Dissociation Conditions of Methane Hydrate in the Presence of 2-Methyl-2-propanol. *Journal of Chemical and Engineering Data.* 55: 5036-5039. <http://dx.doi.org/10.1021/je100620j>.
- Kupczewska-Dobecka, M; Czerczak, S; Jakubowski, M; Maciaszek, P; Janasik, B. (2010). [Application of predictive model to estimate concentrations of chemical substances in the work environment]. *Med Pr.* 61: 307-314.
- Kuroda, K; Ozawa, T; Ueno, T. (2001). Characterization of sago palm (*Metroxylon sagu*) lignin by analytical pyrolysis. *J Agric Food Chem.* 49: 1840-1847. <http://dx.doi.org/10.1021/jf001126i>.
- Kuroda, K; Suzuki, A. (1995). ANALYSIS OF CINNAMIC-ACIDS IN RICE (*ORYZA-SATIVA*) BY SIMULTANEOUS PYROLYSIS METHYLATION GAS-CHROMATOGRAPHY. 41: 851-857.
- Kuroda, K; Yamaguchi, A; Sakai, K. (1994). ANALYSIS OF SUGI WOOD AND ITS LIGNIN PREPARATIONS BY PYROLYSIS-GAS CHROMATOGRAPHY. 40: 987-995.
- Kurzin, AV; Evdokimov, AN; Antipina, VB; Pavlova, OS; Gusev, VE. (2008). Vapor pressures for 1,4-dioxane plus tetrabutylammonium nitrate, water plus tetrabutylammonium nitrate, and 1,4-dioxane plus water plus tetrabutylammonium nitrate. *Journal of Chemical and Engineering Data.* 53: 207-210. <http://dx.doi.org/10.1021/je700512a>.
- Kurzin, AV; Evdokimov, AN; Poltoratskiy, GM; Platonov, AY; Gusev, VE; Golubeva, YM. (2004). Isothermal vapor-liquid equilibrium data for the systems 1,4-dioxane plus water plus tetrabutylammonium nitrate and acetonitrile plus water plus tetrabutylammonium bromide. *Journal of Chemical and Engineering Data.* 49: 208-211. <http://dx.doi.org/10.1021/je0301287>.
- Kushare, SK; Kolhapurkar, RR; Dagade, DH; Patil, KJ. (2006). Compressibility studies of binary solutions involving water as a solute in nonaqueous solvents at T = 298.15 K. *Journal of Chemical and Engineering Data.* 51: 1617-1623. <http://dx.doi.org/10.1021/je0601098>.
- Kuznetsov, BN; Kuznetsova, SA; Levdansky, VA; Levdansky, AV; Vasil'eva, NY, u; Chesnokov, NV; Ivanchenko, NM; Djakovitch, L; Pinel, C. (2015). Optimized methods for obtaining cellulose and cellulose sulfates from birch wood. *Wood Science and Technology.* 49: 825-843. <http://dx.doi.org/10.1007/s00226-015-0723-y>.
- Kwon, SC; Kim, J, ooY; Yoon, SM, in; Bae, W; Kang, KS; Rhee, YW, oo. (2012). Treatment characteristic of 1,4-dioxane by ozone-based advanced oxidation processes. *J Ind Eng Chem.* 18: 1951-1955. <http://dx.doi.org/10.1016/j.jiec.2012.05.010>.
- La Carrubba, V; Pavia, FC; Brucato, V; Piccarolo, S. (2008). PLLA/PLA scaffolds prepared via Thermally Induced Phase Separation (TIPS): tuning of properties and biodegradability. *International Journal of Material Forming.* 1: 619-622. <http://dx.doi.org/10.1007/s12289-008-0332-5>.
- La Carrubba, V; Pavia, FC; Brucato, V; Piccarolo, S; Ghersi, G. (2008). PLLA biodegradable scaffolds for angiogenesis via Diffusion Induced Phase Separation (DIPS). *International Journal of Material Forming.* 1: 623-626. <http://dx.doi.org/10.1007/s12289-008-0333-4>.

Fate Literature Search Results

Off Topic

- Lahtinen, M; Haikarainen, A; Sipila, J. (2013). Convenient preparation of a beta-O-4-type lignin model trimer via KOH-catalyzed hydroxymethylation and a new protection method. *Holzforschung*. 67: 129-136. <http://dx.doi.org/10.1515/hf-2012-0016>.
- Lai, Q; Wang, YZ; Yang, KK; Wang, XL; Zeng, Q. (2005). Chain-extension and thermal behaviors of poly(p-dioxanone) with toluene-2,4-diisocyanate. *React Funct Polym*. 65: 309-315. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.07.003>.
- Lakouraj, MM; Noorian, M; Mokhtary, M. (2006). Amberlyst 15 supported nitrosonium ion as an efficient reagent for regeneration of carbonyl compounds from oximes, hydrazones and semicarbazones. *React Funct Polym*. 66: 910-915. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.12.002>.
- Lam, JWY; Dong, YP; Luo, JD; Cheuk, KKL; Xie, ZL; Tang, BZ. (2002). Synthesis and photoluminescence of liquid crystalline poly(1-alkynes). *Thin Solid Films*. 417: 143-146.
- Lam, WM; Wong, CT; Li, ZY; Luk, KDK; Chan, WK; Yang, C; Chiu, KY; Xu, B; Lu, WW. (2007). Solvothermal synthesis of strontium phosphate chloride nanowire. *J Cryst Growth*. 306: 129-134. <http://dx.doi.org/10.1016/j.jcrysgro.2007.04.050>.
- Lancefield, CS; Rashid, GMM; Bouxin, F; Wasak, A; Tu, W, eiC; Hallett, J; Zein, S; Rodriguez, J; Jackson, SD; Westwood, NJ; Bugg, TDH. (2016). Investigation of the Chemocatalytic and Biocatalytic Valorization of a Range of Different Lignin Preparations: The Importance of beta-O-4 Content. 4: 6921-6930. <http://dx.doi.org/10.1021/acssuschemeng.6b011355>.
- Lanzi, M; Bizzarri, PC; Dellacasa, C. (1997). Solvatochromic properties of poly[3-(6-methoxyhexyl)-2,5-thienylene] in different solvent mixtures. *Synthetic Metals*. 89: 181-186.
- Larichev, Y, uV; Nartova, AV; Martyanov, ON. (2016). The influence of different organic solvents on the size and shape of asphaltene aggregates studied via small-angle X-ray scattering and scanning tunneling microscopy. *AST*. 34: 244-257. <http://dx.doi.org/10.1177/0263617415623440>.
- Larobina, D; Guarino, V; Ambrosio, L. (2012). Modeling of phase separation mechanism in polycaprolactone/dioxane binary systems. 10: 237-242. <http://dx.doi.org/10.5301/JABFM.2012.10363>.
- Laronze, N; Marchal-Roch, C; Guillou, N; Liu, FX; Herve, G. (2003). Solid-state chemistry of ammonium and cesium 1-vanado-11-molybdophosphate and ammonium 12-molybdosilicate: application to oxidation catalysis. *J Catal*. 220: 172-181. [http://dx.doi.org/10.1016/S0021-9517\(03\)00242-2](http://dx.doi.org/10.1016/S0021-9517(03)00242-2).
- Lawther, JM; Sun, RC; Banks, WB. (1996). Extraction and comparative characterization of ball-milled lignin (LM), enzyme lignin (LE) and alkali lignin (LA) from wheat straw. *Cellulose Chemistry and Technology*. 30: 395-410.
- Lazzaroni, MJ; Bush, D; Jones, R; Hallett, JP; Liotta, CL; Eckert, CA. (2004). High-pressure phase equilibria of some carbon dioxide-organic-water systems. *Fluid Phase Equilibria*. 224: 143-154. <http://dx.doi.org/10.1016/j.fluid.2004.06.061>.
- Leaist, DG; Macewan, K; Stefan, A; Zamari, M. (2000). Binary mutual diffusion coefficients of aqueous cyclic ethers at 25 degrees C. Tetrahydrofuran, 1,3-dioxolane, 1,4-dioxane, 1,3-dioxane, tetrahydropyran, and trioxane. *Journal of Chemical and Engineering Data*. 45: 815-818.
- Leclercbattin, F; Marquaire, PM; Come, GM; Baronnet, F. (1991). AUTOIGNITIONS OF GAS-PHASE MIXTURES OF 1,4-DIOXANE AND CHLORINE. *J Loss Prev Process Indust*. 4: 170-175.
- Lee, AL; Venkataraman, S; Sirat, SB; Gao, S; Hedrick, JL; Yang, YY. (2012). The use of cholesterol-containing biodegradable block copolymers to exploit hydrophobic interactions for the delivery of anticancer drugs. *Biomaterials*. 33: 1921-1928. <http://dx.doi.org/10.1016/j.biomaterials.2011.11.032>.
- Lee, B, oRam; Sa, JH; Park, D, aHye; Cho, S; Lee, J; Kim, H, yeJin; Oh, E; Jeon, S; Lee, J, uD; Lee, K, unH. (2012). "Continuous" Method for the Fast Screening of Thermodynamic Promoters of Gas Hydrates Using a Quartz Crystal Microbalance. *Energy Fuels*. 26: 767-772. <http://dx.doi.org/10.1021/ef201414u>.
- Lee, CS; Le Thanh, T; Kim, EJ; Gong, J; Chang, YY; Chang, YS. (2014). Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. *Bioresour Technol*. 171: 59-65. <http://dx.doi.org/10.1016/j.biortech.2014.08.039>.
- Lee, J, aeHo; Park, JJ, in; Byun, I, mGyu; Park, T, aeJoo; Lee, T, aeHo. (2014). Anaerobic digestion of organic wastewater from chemical fiber manufacturing plant: Lab and pilot-scale experiments. *J Ind Eng Chem*. 20: 1732-1736. <http://dx.doi.org/10.1016/j.jiec.2013.08.024>.
- Lee, JY; Choi, M, inHee; Moon, D, ook; Haw, JR, im. (2010). Synthesis of fluorene- and anthracene-based pi-conjugated polymers and dependence of emission range and luminous efficiency on molecular weight. *J Ind Eng Chem*. 16: 395-400. <http://dx.doi.org/10.1016/j.jiec.2009.08.003>.
- Lee, K, iC; Choo, KH, o. (2013). Hybridization of TiO2 photocatalysis with coagulation and flocculation for 1,4-dioxane removal in drinking water treatment. *Chem Eng J*. 231: 227-235. <http://dx.doi.org/10.1016/j.cej.2013.07.023>.
- Lee, K, iC; Choo, KH, o. (2014). Optimization of flocculation conditions for the separation of TiO2 particles in coagulation-photocatalysis hybrid water treatment. *Chemical Engineering and Processing: Process Intensification*. 78: 11-16. <http://dx.doi.org/10.1016/j.cep.2014.01.010>.
- Lee, KC; Beak, HJ; Choo, KH. (2015). Membrane photoreactor treatment of 1,4-dioxane-containing textile wastewater effluent: Performance, modeling, and fouling control. *Water Res*. 86: 58-65. <http://dx.doi.org/10.1016/j.watres.2015.05.017>.
- Lee, LS; Rao, PSC. (1996). Impact of several water-miscible organic solvents on sorption of benzoic acid by soil. *Environ Sci Technol*. 30: 1533-1539.
- Lee, SY; Kim, JC; Lee, JS; Kim, YG. (1993). CARBONYLATION OF FORMALDEHYDE OVER ION-EXCHANGE RESIN CATALYSTS .1. BATCH REACTOR STUDIES. *Ind Eng Chem Res*. 32: 253-259.
- Lee, Y; Lee, S; Jin, YK; Seo, Y. (2014). 1-Propanol as a co-guest of gas hydrates and its potential role in gas storage and CO2 sequestration. *Chem Eng J*. 258: 427-432. <http://dx.doi.org/10.1016/j.cej.2014.07.110>.

Fate Literature Search Results

Off Topic

- Lee, YT; Iwamoto, K; Sekimoto, H; Seno, M. (1989). Pervaporation of water dioxane mixtures with poly(dimethylsiloxane-co-siloxane) membranes prepared by a sol-gel process. *J Memb Sci.* 42: 169-182.
- Lei, Y; Sun, JZ; Wang, M; Xu, RS. (2003). Single-layered organic photoreceptors based on chlorodiane blue/TiOPc/BAH three component composites - I. Device fabrication and photoconductivity. *Mater Chem Phys.* 78: 852-857.
- Leiva, MA; Greenberg, JP; Knobler, CM. (1979). Volume changes on mixing 1,4-dioxane with cyclopentane, pentane, and 2-methylbutane. *Journal of Chemical and Engineering Data.* 24: 208-210.
- Lemmer, H; Stieger, N; Liebenberg, W; Caira, MR. (2012). Solvatomorphism of the antibacterial Dapsone: X-ray structures and thermal desolvation kinetics. *Cryst Growth Des.* 12: 1683-1692. <http://dx.doi.org/10.1021/cg300019f>.
- Leonteva, LB; Tselinskii, IV; Boichinova, VS; Manevskaya, RS; Gritsai, SI. (1994). Paper-chromatographic determination of Cd, Cu(II), and Pb trace amounts. *Industrial Laboratory.* 60: 328-329.
- Lepori, L; Matteoli, E; Gianni, P. (2017). Vapor pressure and its temperature dependence of 28 organic compounds: cyclic amines, cyclic ethers, and cyclic and open chain secondary alcohols. *Journal of Chemical and Engineering Data.* 62: 194-203. <http://dx.doi.org/10.1021/acs.jced.6b00576>.
- Lepori, L; Matteoli, E; Tine, MR. (1993). Isothermal vapor-liquid equilibria of mixtures of organic compounds. 8. Excess Gibbs energies of tetrachloromethane plus cyclic oxalkane mixtures at 298.15 K. *Fluid Phase Equilibria.* 87: 177-188.
- Lerari, D. (2015). Synthesis and characterization of new copolymer based cinnamyl methacrylate monomer: determination of monomer reactivity ratio and statistical sequence. *Mater Res.* 18: 1008-1014. <http://dx.doi.org/10.1590/1516-1439.012015>.
- Lesage, S; Jackson, RE; Priddle, MW; Riemann, PG. (1990). Occurrence and fate of organic solvent residues in anoxic groundwater at the Gloucester landfill, Canada. *Environ Sci Technol.* 24: 559-566. <http://dx.doi.org/10.1021/es00074a016>.
- Lessard, B; Aumand-Bourque, C; Chaudry, R; Gomez, D; Haroon, A; Ibrahimian, N; Mackay, S; Noel, MC; Patel, R; Sitaram, S; Valla, S; White, B; Maric, M. (2011). Poly(ethylene-co-butylene)-b-(styrene-ran-maleic anhydride)(2) compatibilizers via nitroxide mediated radical polymerization. *International Polymer Processing.* 26: 197-204. <http://dx.doi.org/10.3139/217.2425>.
- Letcher, TM; Goldon, A. (1996). Excess molar enthalpies of (butylamine plus an ether) at 298.15 K. *Journal of Chemical and Engineering Data.* 41: 629-633.
- Letcher, TM; Govender, PU; Domanska, U. (1999). Excess molar enthalpies and volumes of diethylamine or dipropylamine plus an ether at 298.15 K. *Journal of Chemical and Engineering Data.* 44: 274-285.
- Letcher, TM; Govender, UP. (1995). Excess molar enthalpies of an alkanol plus a cyclic ether at 298.15 K. *Journal of Chemical and Engineering Data.* 40: 1097-1100.
- Lewandowski, TA; Rhomberg, LR. (2005). A proposed methodology for selecting a trichloroethylene inhalation unit risk value for use in risk assessment [Review]. *Regul Toxicol Pharmacol.* 41: 39-54. <http://dx.doi.org/10.1016/j.yrtph.2004.09.003>.
- Lewis, RJ, Sr. (2000). *Sax's Dangerous Properties of Industrial Materials* (10 ed.). New York, NY: John Wiley & Sons, Inc.
- Li, B; Zhu, J. (2016). Simultaneous degradation of 1,1,1-trichloroethane and solvent stabilizer 1,4-dioxane by a sono-activated persulfate process. *Chem Eng J.* 284: 750-763. <http://dx.doi.org/10.1016/j.cej.2015.08.153>.
- Li, BB; Li, RP; Yan, WD. (2011). Solubilities of Phloretin in 12 solvents at different temperatures. *Journal of Chemical and Engineering Data.* 56: 1459-1462. <http://dx.doi.org/10.1021/jc101168w>.
- Li, H, ao; Deng, Y; Wu, H; Ren, Y; Qiu, X; Zheng, D; Li, C. (2016). Self-assembly of kraft lignin into nanospheres in dioxane-water mixtures. *Holzforschung.* 70: 725-731. <http://dx.doi.org/10.1515/hf-2015-0238>.
- Li, H, ua; Hu, G; Guo, F; Zhao, L, ei; Zhu, J; Zhang, Y. (2010). Measurement and correlation for solubility of thiourea in different solvents. *Can J Chem Eng.* 88: 161-164. <http://dx.doi.org/10.1002/cjce.20261>.
- Li, H, ua; Wang, H; Zhao, L, ei. (2011). Measurement and correlation for solubility of 11 alpha-hydroxy-16 alpha,17 alpha-epoxyprogesterone and 16 alpha,17 alpha-epoxyprogesterone in solvents. *Journal of Chemical and Engineering Data.* 56: 1134-1138. <http://dx.doi.org/10.1021/jc101072d>.
- Li, H, ui; Yuan, X; Zeng, G; Tong, J; Yan, Y, an; Cao, H; Wang, L; Cheng, M; Zhang, J; Yang, D, an. (2009). Liquefaction of rice straw in sub- and supercritical 1,4-dioxane-water mixture. *Fuel Process Tech.* 90: 657-663. <http://dx.doi.org/10.1016/j.fuproc.2008.12.003>.
- Li, J; Li, Y, i; Li, L, in; Mak, AFT; Ko, F; Qin, L. (2009). Fabrication and degradation of poly(L-lactic acid) scaffolds with wool keratin. *Composites Part B: Engineering.* 40: 664-667. <http://dx.doi.org/10.1016/j.compositesb.2009.04.012>.
- Li, J; Ma, Q; Li, W; Wang, C; Bai, H; Ma, H; Cai, T; Jiao, Y; Zhang, X. (2013). [Determination of dioxane residue in cosmetics by isotope dilution-headspace gas chromatography-mass spectrometry]. *Sepu.* 31: 481-484.
- Li, M; Conlon, P; Fiorenza, S; Vitale, RJ; Alvarez, PJJ. (2011). Rapid analysis of 1,4-dioxane in groundwater by frozen micro-extraction with gas chromatography/mass spectrometry. *Ground Water Monitoring and Remediation.* 31: 70-76. <http://dx.doi.org/10.1111/j.1745-6592.2011.01350.x>.
- Li, M; Fan, YM; Xu, F; Sun, R; Zhang, X. (2010). Cold sodium hydroxide/urea based pretreatment of bamboo for bioethanol production: characterization of the cellulose rich fraction. *Ind Crop Prod.* 32: 551-559. <http://dx.doi.org/10.1016/j.indcrop.2010.07.004>.
- Li, M; Mathieu, J; Liu, Y; Van Orden, ET; Yang, Y, u; Fiorenza, S; Alvarez, PJJ. (2014). The abundance of tetrahydrofuran/dioxane monooxygenase genes (thmA/dxmA) and 1,4-dioxane degradation activity are significantly correlated at various impacted aquifers. *Environ Sci Technol Lett.* 1: 122-127. <http://dx.doi.org/10.1021/ez400176h>.
- Li, M; Mathieu, J; Yang, Y; Fiorenza, S; Deng, Y; He, Z; Zhou, J; Alvarez, PJ. (2013). Widespread distribution of soluble di-iron monooxygenase (SDIMO) genes in Arctic groundwater impacted by 1,4-dioxane. *Environ Sci Technol.* 47: 9950-9958. <http://dx.doi.org/10.1021/es402228x>.

Fate Literature Search Results

Off Topic

- Li, M; Sun, SN, i; Xu, F; Sun, R. (2012). Sequential solvent fractionation of heterogeneous bamboo organosolv lignin for value-added application. *Separation and Purification Technology*. 101: 18-25. <http://dx.doi.org/10.1016/j.seppur.2012.09.013>.
- Li, MF, ei; Fan, YM; Sun, R, unC; Xu, F. (2010). CHARACTERIZATION OF EXTRACTED LIGNIN OF BAMBOO (NEOSINOCALAMUS AFFINIS) PRETREATED WITH SODIUM HYDROXIDE/UREA SOLUTION AT LOW TEMPERATURE. *BioResources*. 5: 1762-1778.
- Li, MX; Zhuo, RX; Qu, FQ. (2003). Study on the preparation of novel functional poly(dioxanone) and for the controlled release of protein. *React Funct Polym*. 55: 185-195. [http://dx.doi.org/10.1016/S1381-5148\(02\)00246-8](http://dx.doi.org/10.1016/S1381-5148(02)00246-8).
- Li, Q, in; Yu, P; Zhu, T; Zhang, L, ei; Li, Q; Luo, Y. (2010). Pervaporation performance of crosslinked PVA and chitosan membranes for dehydration of caprolactam solution. *Desalination and Water Treatment*. 16: 304-312. <http://dx.doi.org/10.5004/dwt.2010.1568>.
- Li, QS; Su, MG; Wang, S. (2007). Solubility of 2-(4-ethylbenzoyl)benzoic acid in eleven organic solvents between 279.55 K and 343.15 K. *Journal of Chemical and Engineering Data*. 52: 2477-2479. <http://dx.doi.org/10.1021/je700426k>.
- Li, R; Li, B; Jiang, H; Yang, J; He, B; You, Y; Zhao, J, ia. (2013). Solid-liquid equilibrium (SLE) of ternary system 3-nitrophthalic acid+1,4-dioxane at (283.15, 293.15, 303.15, 313.15 and 323.15)K. *Fluid Phase Equilibria*. 348: 17-22. <http://dx.doi.org/10.1016/j.fluid.2013.03.021>.
- Li, S; Lundquist, K. (1999). Acid reactions of lignin models of beta-5 type. *Holzforschung*. 53: 39-42.
- Li, S; Lundquist, K; Stenhagen, G. (1996). Studies on the formation of 1-(4-hydroxy-3,5-dimethoxyphenyl)-2-(4-hydroxy-3-methoxyphenyl)-1-propanone and 2-(4-hydroxy-3,5-dimethoxyphenyl)-1-(4-hydroxy-3-methoxyphenyl)-1-propanone on acid treatment of birch lignin. *Holzforschung*. 50: 253-257.
- Li, T; Li, C. (2013). Quantitative and stereospecific dihydroxylations of $\delta(5)$ -steroids: a green synthesis of plant growth hormone intermediates. *J Agric Food Chem*. 61: 12522-12530. <http://dx.doi.org/10.1021/jf404633y>.
- Li, X; Kroeger, A; Azzam, T; Eisenberg, A. (2008). Dendrimer influenced supramolecular structure formation of block copolymers: II. Dendrimer concentration dependence. *Langmuir*. 24: 2705-2711. <http://dx.doi.org/10.1021/la702614x>.
- Li, Y, iD; Chen, S, iC; Zeng, JB; Wang, Y, uZ. (2008). Novel Biodegradable Poly(1,4-dioxan-2-one) Grafted Soy Protein Copolymer: Synthesis and Characterization. *Ind Eng Chem Res*. 47: 8233-8238. <http://dx.doi.org/10.1021/ie800994s>.
- Li, Y, aNan; Huo, L, iHua; Deng, ZP; Zou, X, in; Zhu, Z, hiB; Zhao, H, ui; Gao, S. (2014). Solvent Effect on the Supramolecular Patterns and Luminescent Properties of Organic Salts Comprising Naphthalene-1,5-disulfonic Acid and Triphenylmethylamine. *Cryst Growth Des*. 14: 2381-2393. <http://dx.doi.org/10.1021/cg5001057>.
- Li, Y, i; Wang, L, iS; Feng, Y, unXia; Zhang, CY. (2011). Activity Coefficients of Organic Solutes at Infinite Dilution in Ionic Liquids. 1. 1-Hexyl-3-Methylimidazolium Hexafluorophosphate and 1-Octyl-3-Methylimidazolium Hexafluorophosphate and Their Application to Alkane/Aromatic and Aromatic/Aromatic Hydrocarbon Separation. *Ind Eng Chem Res*. 50: 10755-10764. <http://dx.doi.org/10.1021/ie102458k>.
- Li, Y; Wang, LS; Zhang, Y. (2010). Activity Coefficients at Infinite Dilution of Polar Solutes in 1-(2-Hydroxyethyl)-3-methylimidazolium Tetrafluoroborate Using Gas-Liquid Chromatography. *Journal of Chemical and Engineering Data*. 55: 1732-1734. <http://dx.doi.org/10.1021/je900704b>.
- Li, YX; Yao, XD; Xu, L; Luo, TL; Liu, GJ. (2011). Solubilities of N-[(4-Bromo-3,5-difluorine)-phenyl]maleimide in Different Organic Solvents. *Journal of Chemical and Engineering Data*. 56: 358-360. <http://dx.doi.org/10.1021/je1010054>.
- Li, ZW; Yang, QW; Chang, RX; Ma, GC; Chen, MX; Zhang, WQ. (2011). N-Heteroaryl-1,8-naphthalimide fluorescent sensor for water Molecular design, synthesis and properties. *Dyes and Pigments*. 88: 307-314. <http://dx.doi.org/10.1016/j.dyepig.2010.07.009>.
- Liang, J; He, L; Zhao, X; Dong, X, ia; Luo, H; Li, W. (2011). Novel linear fluoro-silicon-containing pentablock copolymers: synthesis and their properties as coating materials. *J Mater Chem*. 21: 6934-6943. <http://dx.doi.org/10.1039/c1jm10635j>.
- Lide, DR. (2000). CRC handbook of chemistry and physics. In DR Lide (Ed.), (81 ed., pp. 3-46). Boca Raton, FL: CRC Press.
- Lien, CF, u; Ho, CH; Shieh, CY, i; Tseng, C; Lin, JL. (2008). FTIR study of adsorption and reactions of ethylene oxide on powdered TiO₂. *J Phys Chem C*. 112: 8365-8371. <http://dx.doi.org/10.1021/jp711700d>.
- Lim, J, inK; Park, H, unKuk. (2012). Fabrication of macroporous chitosan/poly(L-lactide) hybrid scaffolds by sodium acetate particulate-leaching method. *Journal of Porous Materials*. 19: 383-387. <http://dx.doi.org/10.1007/s10934-011-9485-6>.
- Lim, J; Pyo, J; Jung, D; Jung, H, akS; Lee, J, inKyu. (2016). Preparation of mono-dispersed spherical titania nanoparticles with precise size control using ethylene glycol. *Journal of Sol-Gel Science and Technology*. 79: 89-97. <http://dx.doi.org/10.1007/s10971-016-4005-4>.
- Ling, Y, u; Wu, JJ; Gao, ZF; Li, NB; Luo, HQ, un. (2015). Enhanced Emission of Polyethyleneimine-Coated Copper Nanoclusters and Their Solvent Effect. *J Phys Chem C*. 119: 27173-27177. <http://dx.doi.org/10.1021/acs.jpcc.5b09488>.
- Lipnizki, F; Hausmanns, S. (2004). Hydrophobic pervaporation of binary and ternary solutions: Evaluation of fluxes, selectivities, and coupling effects. *Separation Science and Technology*. 39: 2235-2259. <http://dx.doi.org/10.1081/SS-120039309>.
- Lippe, K; Wagler, J; Kroke, E; Herkenhoff, S; Ischenko, V; Woltersdorf, J. (2009). Cyclic Silylcarbodiimides as Precursors for Porous Si/C/N Materials: Formation, Structures, and Stabilities. *Chem Mater*. 21: 3941-3949. <http://dx.doi.org/10.1021/cm9006958>.
- Lippincott, D; Streger, SH; Schaefer, CE; Hinkle, J; Stormo, J; Steffan, RJ. (2015). Bioaugmentation and Propane Biosparging for In Situ Biodegradation of 1,4-Dioxane. *Ground Water Monitoring and Remediation*. 35: 81-92. <http://dx.doi.org/10.1111/gwmmr.12093>.
- Liqiang, J; Yanchun, L; Qinghua, X. (2006). Synthesis and application of fluorinated acrylate copolymer as a retanning agent. *Journal of the Society of Leather Technologists and Chemists*. 90: 159-163.
- Liu, C; Andjelić, S; Zhou, J; Xu, Y; Vailhe, C; Vetrein, R. (2008). Thermal stability and melt rheology of poly(p-dioxanone). *J Mater Sci Mater Med*. 19: 3481-3487. <http://dx.doi.org/10.1007/s10856-008-3516-0>.
- Liu, C; Tang, G; Ding, H, ui; Chen, R; Liu, M. (2015). Determination of the solubility and thermodynamic properties of wedelolactone in a binary solvent of ethanol and water. *Fluid Phase Equilibria*. 385: 139-146. <http://dx.doi.org/10.1016/j.fluid.2014.10.031>.

Fate Literature Search Results

Off Topic

- Liu, F, uS; Li, Z; Yu, S; Cui, X; Xie, C; Ge, XP. (2009). Methanolysis and Hydrolysis of Polycarbonate Under Moderate Conditions. *Journal of Polymers and the Environment*. 17: 208-211. <http://dx.doi.org/10.1007/s10924-009-0140-0>.
- Liu, GG; Jiang, XN; Xu, XB. (2001). Photodegradation of 1-(2-chlorobenzoyl)-3-(4-chlorophenyl) urea in different media and toxicity of its reaction products. *J Agric Food Chem*. 49: 2359-2362. <http://dx.doi.org/10.1021/jf000681h>.
- Liu, J, inQ; Cao, X, inX; Ji, B; Zhao, B. (2013). Measurement and Correlation of Solubilities of Indole-2-carboxylic Acid in Ten Different Pure Solvents from (278.15 to 360.15) K. *Journal of Chemical and Engineering Data*. 58: 3309-3313. <http://dx.doi.org/10.1021/je400813d>.
- Liu, J, inQ; Chen, S, iYu; Ji, B. (2014). Solubility and Thermodynamic Functions of Isatin in Pure Solvents. *Journal of Chemical and Engineering Data*. 59: 3407-3414. <http://dx.doi.org/10.1021/je500396b>.
- Liu, J; Lee, LS; Nies, LF; Nakatsu, CH; Turco, RF. (2007). Biotransformation of 8 : 2 fluorotelomer alcohol in soil and by soil bacteria isolates. *Environ Sci Technol*. 41: 8024-8030. <http://dx.doi.org/10.1021/es0708722>.
- Liu, J, inQ; Li, Y, aoYao; Wang, A, iYan; Hong, DF; Zhang, L, iYue; Wu, S, ha; Bai, QY, un; Chen, S, iYu. (2014). 4-Amino-3,6-dichloropyridazine Solubility Measurement and Correlation in Seven Pure Organic Solvents from (278.15 to 333.15) K. *Journal of Chemical and Engineering Data*. 59: 3947-3952. <http://dx.doi.org/10.1021/je500286x>.
- Liu, J; Zhou, XF. (2011). Structural changes in residual lignin of *Eucalyptus urophylla* x *Eucalyptus grandis* LH 107 oxygen delignified kraft pulp upon chlorine dioxide bleaching. *Scientia Iranica*. 18: 486-490. <http://dx.doi.org/10.1016/j.scient.2011.05.013>.
- Liu, L; Zhao, Y; Gan, S; Liang, X; Yang, J; He, M. (2008). Acetalization of carbonyl compounds with 2,2,4-trimethyl-1,3-pentanedio catalyzed by novel carbon based solid acid catalyst. *Journal of Natural Gas Chemistry*. 17: 149-152.
- Liu, R, u; Peng, Y, ao; Cao, J; Chen, Y, u. (2014). Comparison on properties of lignocellulosic flour/polymer composites by using wood, cellulose, and lignin flours as fillers. *Compos Sci Tech*. 103: 1-7. <http://dx.doi.org/10.1016/j.compscitech.2014.08.005>.
- Liu, S; He, Z; Xu, G; Xiao, X. (2014). Fabrication of polycaprolactone nanofibrous scaffolds by facile phase separation approach. *Mater Sci Eng C*. 44: 201-208. <http://dx.doi.org/10.1016/j.msec.2014.08.012>.
- Liu, TY, in; Bian, L, iXia; Yuan, H, aoGe; Pang, B, o; Lin, Y, aKai; Tong, Y, u; Van Der Bruggen, B; Wang, XL, in. (2015). Fabrication of a high-flux thin film composite hollow fiber nanofiltration membrane for wastewater treatment. *J Memb Sci*. 478: 25-36. <http://dx.doi.org/10.1016/j.memsci.2014.12.029>.
- Liu, TY, in; Liu, Z, aiHao; Zhang, R, uiXin; Wang, Y, ao; Van Der Bruggen, B; Wang, XL, in. (2015). Fabrication of a thin film nanocomposite hollow fiber nanofiltration membrane for wastewater treatment. *J Memb Sci*. 488: 92-102. <http://dx.doi.org/10.1016/j.memsci.2015.04.020>.
- Liu, X; Won, Y; Ma, PX. (2005). Surface modification of interconnected porous scaffolds. *J Biomed Mater Res A*. 74: 84-91. <http://dx.doi.org/10.1002/jbm.a.30367>.
- Liu, Y; Johnson, MR; Matida, EA; Kherani, S; Marsan, J. (2009). Creation of a standardized geometry of the human nasal cavity. *J Appl Physiol*. 106: 784-795. <http://dx.doi.org/10.1152/jappphysiol.90376.2008>.
- Liu, Z; Meng, L; Chen, J; Cao, Y; Wang, Z; Ren, H, ao. (2016). The utilization of soybean straw III: Isolation and characterization of lignin from soybean straw. *Biomass and Bioenergy*. 94: 12-20. <http://dx.doi.org/10.1016/j.biombioe.2016.07.021>.
- Liu, ZF; Fullwood, N; Rimmer, S. (2000). Synthesis of allyloxycarbonyloxymethyl-5-fluorouracil and copolymerizations with N-vinylpyrrolidinone. *J Mater Chem*. 10: 1771-1775.
- Livaja-Popovic, DJ; Loncar, E, vaS; Jevric, LR; Malbasa, RV. (2012). Reversed-phase thin-layer chromatography behavior of aldopentose derivatives. *Hemijaska Industrija*. 66: 365-372. <http://dx.doi.org/10.2298/HEMIND111012099L>.
- Loeb, S; Andrews, SA; Hofmann, R, on. (2015). The effect of immobilized catalyst structure on the degradation of chemical and biological contaminants in simulated solar photocatalytic water purification. *Journal of Water Supply: Research and Technology-AQUA*. 64: 883-891. <http://dx.doi.org/10.2166/aqua.2015.035>.
- Loehe, J. R.; Vanness, HC; Abbott, MM. (1981). EXCESS THERMODYNAMIC FUNCTIONS FOR TERNARY-SYSTEMS .7. TOTAL PRESSURE DATA AND GE FOR ACETONE-1,4-DIOXANE-WATER AT 50-DEGREES-C. *Journal of Chemical and Engineering Data*. 26: 178-181.
- Lohmann, J; Gmehling, J. (2001). Solid-liquid equilibria for seven binary systems. *Journal of Chemical and Engineering Data*. 46: 333-336.
- Lokesh, BG; Rao, KSV, K; Reddy, KM; Rao, KC; Rao, PS. (2008). Novel nanocomposite membranes of sodium alginate filled with polyaniline-coated titanium dioxide for dehydration of 1,4-dioxane/water mixtures. *Desalination*. 233: 166-172. <http://dx.doi.org/10.1016/j.desal.2007.09.039>.
- Loots, L; O'Connor, JP; le Roex, T; Haynes, DA. (2015). Solid-State Supramolecular Chemistry of a Benzylpyridine-Functionalized Zwitterion: Polymorphism, Interconversion, and Porosity. *Cryst Growth Des*. 15: 5849-5857. <http://dx.doi.org/10.1021/acs.cgd.5b01238>.
- López-Donaire, ML; Fernández-Gutiérrez, M; Parra-Cáceres, J; Vázquez-Lasa, B; García-Alvarez, I; Fernández-Mayoralas, A; Román, JS. (2010). A study on partially biodegradable microparticles as carriers of active glycolipids. *Acta Biomater*. 6: 1360-1369. <http://dx.doi.org/10.1016/j.actbio.2009.11.009>.
- Lu, N, a; Chen, W, ei; Fang, G; Chen, B, i; Yang, K; Yang, Y, un; Wang, Z; Huang, S; Li, Y. (2014). 5-fold Twinned Nanowires and Single Twinned Right Bipyramids of Pd: Utilizing Small Organic Molecules To Tune the Etching Degree of O-2/Halides. *Chem Mater*. 26: 2453-2459. <http://dx.doi.org/10.1021/cm4042204>.
- Luik, H; Blyakhina, I; Luik, L. (2002). Liquefaction of Estonian oil shale kerogen in sub- and supercritical ether medium - 2. Composition of liquid products. *Oil Shale*. 19: 355-372.
- Luik, H; Luik, L; Blyakhina, I. (2002). Liquefaction of Estonian oil shale kerogen in sub- and supercritical ether medium 1. Effect of ether type on the yield and character of decomposition products. *Oil Shale*. 19: 43-56.
- Lukosek, M. (2007). Ethoxylation of stearic acid. Optimization of the process and evaluation of the products. *Przemysł Chemiczny*. 86: 652-655.
- Lukosek, M; Kosno, J; Naraniecki, B. (2010). Ethoxylation of nonylphenol. Process and product optimization. *Przemysł Chemiczny*. 89: 945-948.

Fate Literature Search Results

Off Topic

- Lunkenheimer, K; Piasecki, A; Burczyk, B; Hirte, R. (2000). Adsorption properties of diastereomeric 2-n-alkyl-5-methoxy-1,3-dioxanes at the air/water interface. *Langmuir*. 16: 6982-6986.
- Luo, LB; Eisenberg, A. (2001). Thermodynamic size control of block copolymer vesicles in solution. *Langmuir*. 17: 6804-6811.
- Luo, W; Bruijninx, PCA; Weckhuysen, BM. (2014). Selective, one-pot catalytic conversion of levulinic acid to pentanoic acid over Ru/H-ZSM5. *J Catal*. 320: 33-41. <http://dx.doi.org/10.1016/j.jcat.2014.09.014>.
- Luo, W; Deka, U; Beale, AM; van Eck, ERH; Bruijninx, PCA; Weckhuysen, BM. (2013). Ruthenium-catalyzed hydrogenation of levulinic acid: Influence of the support and solvent on catalyst selectivity and stability. *J Catal*. 301: 175-186. <http://dx.doi.org/10.1016/j.jcat.2013.02.003>.
- Luong, J; Gras, R; Cortes, H; Shellie, RA. (2012). Multi-dimensional gas chromatography with a planar microfluidic device for the characterization of volatile oxygenated organic compounds. *J Chromatogr A*. 1255: 216-220. <http://dx.doi.org/10.1016/j.chroma.2012.01.073>.
- Lutfallah; Khan, F; Rahman, N; Azmi, SNH. (2009). Spectrophotometric determination of uranium (VI) via complexation with piroxicam. *Indian J Chem Tech*. 16: 437-441.
- Lyman, W; Reehl, W; Rosenblatt, D. (1990). Handbook of chemical property estimation methods: Environmental behavior of organic compounds. In WJ Lyman; WF Reehl; DH Rosenblatt (Eds.). Washington, DC: American Chemical Society.
- Ma, D; Li, B; Cui, Z; Liu, K; Chen, C; Li, G; Hua, J; Ma, B; Shi, Z; Feng, S. (2016). Multifunctional Luminescent Porous Organic Polymer for Selectively Detecting Iron Ions and 1,4-Dioxane via Luminescent Turn-off and Turn-on Sensing. 8: 24097-24103. <http://dx.doi.org/10.1021/acsami.6b07470>.
- Ma, L; Li, HR; Wang, CM; Xu, YJ; Han, SJ. (2005). Prediction of vapor-liquid equilibria data from C-H band shifts of Raman spectra and activity coefficients at infinite dilution in some aqueous systems. *Ind Eng Chem Res*. 44: 6883-6887. <http://dx.doi.org/10.1021/ie050078u>.
- Ma, X; Liang, R, an; Yang, F, an; Zhao, Z; Zhang, A; Song, N; Zhou, Q; Zhang, J. (2008). Synthesis and properties of novel second-order NLO chromophores containing pyrrole as an auxiliary electron donor. *J Mater Chem*. 18: 1756-1764. <http://dx.doi.org/10.1039/b720023d>.
- Ma, X; Zheng, X, in; Lin, L; Chen, L; Survase, S; Huang, L; Cao, S. (2015). Evaluating effects of benzene-ethanol extraction on molecular weight of lignin isolated from pretreated bamboo substrate. *Wood Science and Technology*. 49: 945-955. <http://dx.doi.org/10.1007/s00226-015-0735-7>.
- Ma, Z; Gao, C; Gong, Y; Shen, J. (2003). Paraffin spheres as porogen to fabricate poly(L-lactic acid) scaffolds with improved cytocompatibility for cartilage tissue engineering. *J Biomed Mater Res B Appl Biomater*. 67: 610-617. <http://dx.doi.org/10.1002/jbm.b.10049>.
- Mabuchi, T; Yoon, S; Ishiwaru, H. (2011). Solvent dependency of pentacene degradation for top-gate-type organic ferroelectric memory. *Curr Appl Phys*. 11: S98-S101. <http://dx.doi.org/10.1016/j.cap.2011.07.017>.
- Machado, AEH; Furuyama, AM; Falone, SZ; Ruggiero, R; Perez, D; Castellan, A. (2000). Photocatalytic degradation of lignin and lignin models, using titanium dioxide: the role of the hydroxyl radical. *Chemosphere*. 40: 115-124.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1994). HIGH-PRESSURE DELIGNIFICATION OF EUCALYPTUS WOOD BY 1,4-DIOXANE-CO₂ MIXTURES. *Journal of Supercritical Fluids*. 7: 87-92.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1996). Characterisation of residues and extracts of high-pressure extraction of eucalyptus wood by 1,4-dioxane-CO₂ mixtures .1. Characterisation by FTIR, UV and HPLC. *Holzforschung*. 50: 531-540.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1997). Characterisation of residues and extracts of high-pressure extraction of eucalyptus wood with 1,4-dioxane-CO₂ mixtures .2. Determination of macromolecular parameters of lignins extracted with high-pressure 1,4-dioxane. *Holzforschung*. 51: 57-61.
- Maciuca, AL; Dumitriu, E; Fajula, F; Hulea, V. (2007). Catalytic oxidation processes for removing dimethylsulfoxide from wastewater. *Chemosphere*. 68: 227-233. <http://dx.doi.org/10.1016/j.chemosphere.2007.01.028>.
- Madani, M. (2010). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Bulletin of Materials Science*. 33: 65-73. <http://dx.doi.org/10.1007/s12034-010-0009-9>.
- Madani, M. (2011). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Curr Appl Phys*. 11: 70-76. <http://dx.doi.org/10.1016/j.cap.2010.06.021>.
- Maddah, B; Motahari, A; Moghimi, A. (2010). High Capacity Anion-Exchange Resin as a Solid-Phase Extraction for Determination of Methylphosphonic Acid. *Separation Science and Technology*. 45: 2363-2367. <http://dx.doi.org/10.1080/01496391003705672>.
- Maekawa, T. (2013). Equilibrium conditions of clathrate hydrates formed from xenon and aqueous solutions of acetone, 1,4-dioxane and 1,3-dioxolane. *Fluid Phase Equilibria*. 339: 15-19. <http://dx.doi.org/10.1016/j.fluid.2012.11.034>.
- Maekawa, T. (2014). Equilibrium conditions for clathrate hydrates formed from carbon dioxide or ethane in the presence of aqueous solutions of 1,4-dioxane and 1,3-dioxolane. *Fluid Phase Equilibria*. 384: 95-99. <http://dx.doi.org/10.1016/j.fluid.2014.10.032>.
- Maeyama, K; Suzuki, M; Tsukamoto, T; Higashibayashi, S; Sakurai, H. (2014). Synthesis of thermally stable, wholly aromatic polyketones with 2,2'-dimethoxy-1,1'-binaphthyl-6,6'-diyl units through nanosized-palladium-cluster-catalyzed Suzuki-Miyaura coupling polymerization. *React Funct Polym*. 79: 24-28. <http://dx.doi.org/10.1016/j.reactfunctpolym.2014.03.007>.
- Magina, S; Marques, A; Evtuguin, DV. (2015). Study on the residual lignin in Eucalyptus globulus sulphite pulp. *Holzforschung*. 69: 513-522. <http://dx.doi.org/10.1515/hf-2014-0218>.
- Mahdaviani, SH; Parvari, M; Soudbar, D. (2016). Simultaneous multi-objective optimization of a new promoted ethylene dimerization catalyst using grey relational analysis and entropy measurement. *Korean J Chem Eng*. 33: 423-437. <http://dx.doi.org/10.1007/s11814-015-0158-z>.
- Mahendra, S; Alvarez-Cohen, L. (2006). Kinetics of 1,4-dioxane biodegradation by monoxygenase-expressing bacteria. *Environ Sci Technol*. 40: 5435-5442. <http://dx.doi.org/10.1021/es060714v>.

Fate Literature Search Results

Off Topic

- Mahendra, S; Grostern, A; Alvarez-Cohen, L. (2013). The impact of chlorinated solvent co-contaminants on the biodegradation kinetics of 1,4-dioxane. *Chemosphere*. 91: 88-92. <http://dx.doi.org/10.1016/j.chemosphere.2012.10.104>.
- Mahendra, S; Petzold, CJ; Baidoo, EE; Keasling, J, ayD; Alvarez-Cohen, L. (2007). Identification of the intermediates of in vivo oxidation of 1,4-dioxane by monooxygenase-containing bacteria. *Environ Sci Technol*. 41: 7330-7336. <http://dx.doi.org/10.1021/es0705745>.
- Maher, A; Croker, D; Rasmuson, AC; Hodnett, BK. (2010). Solubility of Form III Piracetam in a Range of Solvents. *Journal of Chemical and Engineering Data*. 55: 5314-5318. <http://dx.doi.org/10.1021/je1003934>.
- Maher, A; Rasmuson, A, keC; Croker, DM; Hodnett, BK. (2012). Solubility of the Metastable Polymorph of Piracetam (Form II) in a Range of Solvents. *Journal of Chemical and Engineering Data*. 57: 3525-3531. <http://dx.doi.org/10.1021/je300711r>.
- Mahkam, M; Sanjani, NS; Entezami, AA. (2000). Regulation of controlled release of ibuprofen from crosslinked polymers containing cubane as a new crosslinking agent. *J Bioact Compat Polymer*. 15: 396-405.
- Maine CDC. (2012). Maximum exposure guidelines (MEGs) for drinking water. Maine Department of Human Services. <http://www.maine.gov/dhhs/mecdc/environmental-health/eohp/wells/documents/megtableoct2012.pdf>.
- Makedonski, P; Brandes, M; Grahn, W; Kowalsky, W; Wichern, E; Wiese, S; Johannes, HH. (2004). Synthesis of new kinds of reactive azo dyes and their application for fibre-optical pH-measurements. *Dyes and Pigments*. 61: 109-119. <http://dx.doi.org/10.1016/j.dyepig.2003.10.005>.
- Maken, A; Maken, S. (2012). Energetics of molecular interactions of 1,4-dioxane with formamides or anilines at 308.15 K. *J Ind Eng Chem*. 18: 1013-1017. <http://dx.doi.org/10.1016/j.jiec.2011.11.139>.
- Makhlouf, MT; Gomma, GK; Wahdan, MH; Khalil, ZH. (1995). EFFECT OF CYANINE DYE SOLVENT INTERACTION ON THE ELECTROCHEMICAL CORROSION BEHAVIOR OF LOW-CARBON STEEL IN ACID-MEDIUM. *Mater Chem Phys*. 40: 119-125.
- Makhseed, S; Samuel, J. (2013). Microporous organic polymers incorporating dicarboximide units for H-2 storage and remarkable CO2 capture. 1: 13004-13010. <http://dx.doi.org/10.1039/c3ta12233f>.
- Malathi, M; Sabesan, R; Krishnan, S. (2003). Dielectric relaxation studies of dilute solutions of amides. *Mater Sci Eng B*. 104: 1-4. [http://dx.doi.org/10.1016/S0921-5107\(03\)00141-7](http://dx.doi.org/10.1016/S0921-5107(03)00141-7).
- Malinowski, JJ; Daugulis, AJ. (2002). The effective approach for recovery of methyl-substituted 1,3-dioxane from aqueous media. *Separation Science and Technology*. 37: 2659-2667.
- Mandoli, C; Mecheri, B; Forte, G; Pagliari, F; Pagliari, S; Carotenuto, F; Fiaccavento, R; Rinaldi, A; Di Nardo, P; Licocchia, S; Traversa, E. (2010). Thick soft tissue reconstruction on highly perfusive biodegradable scaffolds. *Macromol Biosci*. 10: 127-138. <http://dx.doi.org/10.1002/mabi.200900323>.
- Mani, TV; Varma, HK; Warriar, KGK; Damodaran, AD. (1992). GELATION CHARACTERISTICS OF ALUMINUM TITANATE PRECURSOR SOLS IN DIFFERENT SOLVENT MEDIA. *Ceramics International*. 18: 69-72.
- Mannella, GA; La Carrubba, V; Brucato, V. (2010). On the calculation of free energy of mixing for aqueous polymer solutions with group-contribution models. *Fluid Phase Equilibria*. 299: 222-228. <http://dx.doi.org/10.1016/j.fluid.2010.09.036>.
- Mannella, GA; La Carrubba, V; Brucato, V; Sanchez, IC. (2011). Lattice fluid model generalized for specific interactions: An application to ternary polymer solutions. *Fluid Phase Equilibria*. 312: 60-65. <http://dx.doi.org/10.1016/j.fluid.2011.09.013>.
- Manoj, K; Gonnade, RG; Bhadbhade, MM; Shashidhar, MS. (2006). Subtle crossover from C-H center dot center dot center dot O to S=O center dot center dot center dot C=O short contacts in the association of diastereomers of 2,4(6)-di-O-benzoyl-6(4)-O-[(1S)-10-camphorsulfonyl]-myo-inositol 1,3,5-orthoformate upon formation of pseudopolymorphs. *Cryst Growth Des*. 6: 1485-1492. <http://dx.doi.org/10.1021/cg0601271>.
- Manteghian, M; Safavi, SMM; Mohammadi, A. (2013). The equilibrium conditions, hydrate formation and dissociation rate and storage capacity of ethylene hydrate in presence of 1,4-dioxane. *Chem Eng J*. 217: 379-384. <http://dx.doi.org/10.1016/j.cej.2012.12.014>.
- Manzhos, S; Komatsu, M; Nakazaki, J; Segawa, H; Yamashita, K. (2012). Theoretical analysis of the solvatochromism of organic dyes differing by the conjugation sequence. 2. <http://dx.doi.org/10.1117/1.JPE.2.028001>.
- Mao, J; Erstfeld, KM; Fackler, PH. (1993). SIMULTANEOUS DETERMINATION OF TRALOMETHRIN, DELTAMETHRIN, AND RELATED-COMPOUNDS BY HPLC WITH RADIOMETRIC DETECTION. *J Agric Food Chem*. 41: 596-601.
- Marakatti, VS; Shanbhag, GV; Halgeri, AB. (2013). Sulfated zirconia; an efficient and reusable acid catalyst for the selective synthesis of 4-phenyl-1,3-dioxane by Prins cyclization of styrene. *Appl Catal A-Gen*. 451: 71-78. <http://dx.doi.org/10.1016/j.apcata.2012.11.016>.
- Marlin, N; Lachenal, D; Magnin, L; Brochier-Salon, MC. (2005). Study of the oxygen effect on mechanical pulp lignin using an improved lignin isolation method. *Holzforschung*. 59: 116-123. <http://dx.doi.org/10.1515/HF.2005.018>.
- Marques, DS; Vainio, U; Chaparro, NM; Calo, VM; Bezahd, A, liR; Pitera, J, edW; Peinemann, KV; Nunes, SP. (2013). Self-assembly in casting solutions of block copolymer membranes. *Soft Matter*. 9: 5557-5564. <http://dx.doi.org/10.1039/c3sm27475f>.
- Marques, G; Bourdelande, JL; Valiente, M. (1999). Immobilised Pd (II) on a phosphine sulphide derived polystyrene as affinity chromatographic material for the selective adsorption of amino acids. *React Funct Polym*. 41: 77-89.
- Martijn, BJ; Fuller, AL; Malley, JP; Kruihof, JC. (2010). Impact of IX-UF Pretreatment on the Feasibility of UV/H2O2 Treatment for Degradation of NDMA and 1,4-Dioxane. *Ozone: Science and Engineering*. 32: 383-390. <http://dx.doi.org/10.1080/01919512.2010.515507>.
- Martinez, CG; Neuner, A; Martinez, LA; Braun, AM; Oliveros, E. (2000). Effect of the media on the quantum yield of singlet oxygen (O-2((1)Delta g)) production by fluorenone. *Journal of Information Recording*. 25: 405-410.
- Martinez, F; Pena, MA; Bustamante, P. (2011). Thermodynamic analysis and enthalpy-entropy compensation for the solubility of indomethacin in aqueous and non-aqueous mixtures. *Fluid Phase Equilibria*. 308: 98-106. <http://dx.doi.org/10.1016/j.fluid.2011.06.016>.
- Marui, Y; Kikuzawa, A; Kida, T; Akashi, M. (2010). Unique organogel formation with macroporous materials constructed by the freeze-drying of aqueous cyclodextrin solutions. *Langmuir*. 26: 11441-11445. <http://dx.doi.org/10.1021/la1009434>.

Fate Literature Search Results

Off Topic

- Mascaros, AF; Collar, C. (1994). PROTEIN ELECTROPHORETIC PATTERN AND BREADMAKING PERFORMANCE OF WHEAT BREAD DOUGHS AND BREAD STARTED WITH PURE AND ASSOCIATED CULTURES OF YEAST AND LACTIC-ACID BACTERIA. 34: 507-526.
- Maslinskasolich, J; Baranowska, I; Macionga, A. (1992). STUDIES ON CO(II) AND MN(II) COMPLEXES OF SOME MALEIC-ANHYDRIDE COPOLYMERS. 18: 159-166.
- Massey, PM; Boansi, RK; Gipson, JD; Adams, RM; Riess, H; Dieng, T; Prelip, ML; Glik, DC. (2017). Human papillomavirus (HPV) awareness and vaccine receptivity among Senegalese adolescents. *Trop Med Int Health*. 22: 113-121. <http://dx.doi.org/10.1111/tmi.12798>.
- Masuyama, Y; Nakajima, Y; Okabe, J. (2010). Environmentally-benign palladium(II)-exchanged hydroxyapatite-catalyzed allylic alkylation of allyl methyl carbonate in water. *Appl Catal A-Gen*. 387: 107-112. <http://dx.doi.org/10.1016/j.apcata.2010.08.010>.
- Matejcek, P; Uchman, M; Lokajova, J; Stepanek, M; Spirkova, M; Prochazka, K. (2008). Multilayer polymeric nanoparticles based on specific interactions in solution: Polystyrene-block-poly(methacrylic acid) micelles with linear poly(2-vinylpyridine) in aqueous buffers. 23: 557-560. <http://dx.doi.org/10.1080/10426910802157771>.
- Matharu, K; Mittal, SK; Kumar, SKA. (2012). Conductometric Performance of Two-Pole and Five-Ring Conductivity Cell Probes for Lanthanide Determination Using EDTA and DCTA as Potential Sequestering Agents. *Ind Eng Chem Res*. 51: 11328-11334. <http://dx.doi.org/10.1021/ie301141g>.
- Matijasic, A; Marler, B; Patarin, J. (2000). Synthesis and characterization of Mu-11: a porous sodium trisilicate Na₂Si₃O₇ center dot H₂O with 10-membered ring openings. *International Journal of Inorganic Materials*. 2: 209-216.
- Matijasic, A; Patarin, J. (1999). Synthesis of OFF-type zeolite in a quasi non aqueous medium: structure directing role of p-dioxane and alkaline cations. *Microporous and Mesoporous Materials*. 29: 405-412.
- Matsuda, H; Kaburagi, K; Kurihara, K; Tochigi, K; Tomono, K. (2010). Prediction of solubilities of pharmaceutical compounds in water plus co-solvent systems using an activity coefficient model. *Fluid Phase Equilibria*. 290: 153-157. <http://dx.doi.org/10.1016/j.fluid.2009.08.021>.
- Matsuda, H; Kaburagi, K; Matsumoto, S, ho; Kurihara, K; Tochigi, K; Tomono, K. (2009). Solubilities of Salicylic Acid in Pure Solvents and Binary Mixtures Containing Cosolven. *Journal of Chemical and Engineering Data*. 54: 480-484. <http://dx.doi.org/10.1021/je800475d>.
- Matsufuji, H; Chino, M; Takeda, M. (2004). Effects of paprika pigments on oxidation of linoleic acid stored in the dark or exposed to light. *J Agric Food Chem*. 52: 3601-3605. <http://dx.doi.org/10.1021/jf035319s>.
- Matsushita, T; Hirai, S; Ishikawa, T; Matsui, Y; Shirasaki, N. (2015). Decomposition of 1,4-dioxane by vacuum ultraviolet irradiation: Study of economic feasibility and by-product formation. *Process Saf Environ Protect*. 94: 528-541. <http://dx.doi.org/10.1016/j.psep.2014.11.005>.
- Matteoli, E; Lepori, L. (2000). Determination of the excess enthalpy of binary mixtures from the measurements of the heat of solution of the components: application to the perfluorohexane plus hexane mixture. *Fluid Phase Equilibria*. 174: 115-131.
- Mattinen, ML; Suortti, T; Gosselink, R; Argyropoulos, DS; Evtuguin, D; Suurnakki, A; de Jong, E, d; Tamminen, T. (2008). POLYMERIZATION OF DIFFERENT LIGNINS BY LACCASE. *BioResources*. 3: 549-565.
- Maurer, A; Fengel, D. (1992). ON THE ORIGIN OF MILLED WOOD LIGNIN .1. THE INFLUENCE OF BALL-MILLING ON THE ULTRASTRUCTURE OF WOOD CELL-WALLS AND THE SOLUBILITY OF LIGNIN. *Holzforschung*. 46: 417-423.
- Maurer, A; Fengel, D. (1992). ON THE ORIGIN OF MILLED WOOD LIGNIN .2. THE SOLUBILITY OF LIGNIN - STUDIED BY DIOXANE EXTRACTION OF ULTRATHIN SECTIONS. *Holzforschung*. 46: 471-475.
- Maurino, V; Calza, P; Minero, C; Pelizzetti, E; Vincenti, M. (1997). Light-assisted 1,4-dioxane degradation. *Chemosphere*. 35: 2675-2688.
- Maury, S; Buisson, P; Pierre, AC. (2001). Porous texture modification of silica aerogels in liquid media and its effect on the activity of a lipase. *Langmuir*. 17: 6443-6446.
- Maury, S; Pierre, AC. (2001). Hydrolysis behaviour of lipase from *Pseudomonas Cepacia* encapsulated in silica aerogels with different characteristics. *Macromol Biosci*. 1: 119-125.
- Mavani, SI; Mehta, NM; Parsania, PH. (2007). Synthesis and physico-chemical study of polyester polyol of epoxy resin of 1,1'-bis (3-methyl-4-hydroxy phenyl) cyclohexane and ricinoleic acid and its polyurethanes with polyethylene glycol. *Journal of Sci Ind Res*. 66: 377-384.
- Mazaheri, H; Lee, KT; Bhatia, S; Mohamed, AR. (2010). Sub/supercritical liquefaction of oil palm fruit press fiber for the production of bio-oil: effect of solvents. *Bioresour Technol*. 101: 7641-7647. <http://dx.doi.org/10.1016/j.biortech.2010.04.072>.
- Mazi, H; Kibarer, G; Emregül, E; Rzaev, ZM. (2006). Bioengineering Functional Copolymers. IX. Poly[(maleic anhydride-co-hexene-1)-g-poly(ethylene oxide)]. *Macromol Biosci*. 6: 311-321. <http://dx.doi.org/10.1002/mabi.200500222>.
- McConnell, EE; Solleveld, HA; Swenberg, JA; Boorman, GA. (1986). Guidelines for combining neoplasms for evaluation of rodent carcinogenesis studies. *J Natl Cancer Inst*. 76: 283-289. <http://dx.doi.org/10.1093/jnci/76.2.283>.
- Mcgregor, DB; Brown, AG; Howgate, S; McBride, D; Riach, C; Caspary, WJ. (1991). Responses of the L5178Y mouse lymphoma cell forward mutation assay. V: 27 coded chemicals. *Environ Mol Mutagen*. 17: 196-219. <http://dx.doi.org/10.1002/em.2850170309>.
- Medinsky, MA; Bond, JA. (2001). Sites and mechanisms for uptake of gases and vapors in the respiratory tract [Review]. *Toxicology*. 160: 165-172. [http://dx.doi.org/10.1016/S0300-483X\(00\)00448-0](http://dx.doi.org/10.1016/S0300-483X(00)00448-0).
- Meena, S; Amit, S. (2008). Activation parameters of flow through micro porous and ion exchange separators. *Res Journal Chem Environ*. 12: 82-84.
- Mejias, L; Reihmann, MH; Sepulveda-Boza, S; Ritter, H. (2002). New polymers from natural phenols using horseradish or soybean peroxidase. *Macromol Biosci*. 2: 24-32.
- Menea, B; Takahashi, M; Innocenzi, P; Yoko, T. (2007). Crystallization in hybrid organic-inorganic materials induced by self-organization in basic conditions. *Chem Mater*. 19: 1946-1953. <http://dx.doi.org/10.1021/cm062660u>.

Fate Literature Search Results

Off Topic

- Mendonca, PV; Serra, AC; Popov, AV; Guliasvili, T; Coelho, JFJ. (2014). Efficient RAFT polymerization of N-(3-aminopropyl)methacrylamide hydrochloride using unprotected "clickable" chain transfer agents. *React Funct Polym.* 81: 1-7. <http://dx.doi.org/10.1016/j.reactfunctpolym.2014.04.001>.
- Menetrey, J; Perderiset, M; Cicolari, J; Houdusse, A; Stura, EA. (2007). Improving diffraction from 3 to 2 angstrom for a complex between a small GTPase and its effector by analysis of crystal contacts and use of reverse screening. *Cryst Growth Des.* 7: 2140-2146. <http://dx.doi.org/10.1021/cg700698d>.
- Mengliang, W; Chunxia, G. (2011). Biocatalytic Synthesis of Salidroside by beta-Glucosidase in Ionic Liquids. *Chinese journal of catalysis.* 32: 1051-1055. <http://dx.doi.org/10.3724/SP.J.1088.2011.01211>.
- Merrett, K; Griffith, CM; Deslandes, Y; Pleizier, G; Sheardown, H. (2001). Adhesion of corneal epithelial cells to cell adhesion peptide modified pHEMA surfaces. *J Biomater Sci Polym Ed.* 12: 647-671.
- Mertens, P; Verpoort, F; Parvulescu, AN; De Vos, D. (2006). Pt/H-beta zeolites as productive bifunctional catalysts for the one-step citronellal-to-menthol conversion. *J Catal.* 243: 7-13. <http://dx.doi.org/10.1016/j.jcat.2006.06.017>.
- Merzliak, T; Bartussek, I; Stapf, S; Voda, MA; Bluemich, B; Pfennig, A. (2006). Description of intra-diffusion in liquid mixtures. *Fluid Phase Equilibria.* 245: 158-167. <http://dx.doi.org/10.1016/j.fluid.2006.05.001>.
- Meylan, WM; Howard, PH; Boethling, RS; Aronson, D; Printup, H; Gouchie, S. (1999). Improved method for estimating bioconcentration/bioaccumulation factor from octanol/water partition coefficient. *Environ Toxicol Chem.* 18: 664-672. <http://dx.doi.org/10.1002/etc.5620180412>.
- Mi, H; Jing, X, in; Salick, M; Cordie, TM; Peng, XF; Turng, L. (2014). Morphology, mechanical properties, and mineralization of rigid thermoplastic polyurethane/hydroxyapatite scaffolds for bone tissue applications: effects of fabrication approaches and hydroxyapatite size. *Journal of Materials Science.* 49: 2324-2337. <http://dx.doi.org/10.1007/s10853-013-7931-3>.
- Mihu, G; Mihalache, I; Bodor, M; Mircea, O; Graur, I. (2016). Tribological Characterization of Modified Epoxy Systems. *Materiale Plastice.* 53: 298-303.
- Mikie, T; Saeki, A; Yamazaki, Y; Ikuma, N; Kokubo, K; Seki, S. (2015). Stereochemistry of spiro-acetalized [60]fullerenes: how the exo and endo stereoisomers influence organic solar cell performance. 7: 8915-8922. <http://dx.doi.org/10.1021/acsami.5b01818>.
- Miller, MB; Chen, DL; Luebke, DR; Johnson, JK; Enick, RM. (2011). Critical Assessment of CO₂ Solubility in Volatile Solvents at 298.15 K. *Journal of Chemical and Engineering Data.* 56: 1565-1572. <http://dx.doi.org/10.1021/je101161d>.
- Minbu, H; Ochiai, A; Kawase, T; Taniguchi, M; Lloyd, DR; Tanaka, T. (2015). Preparation of poly(L-lactic acid) microfiltration membranes by a nonsolvent-induced phase separation method with the aid of surfactants. *J Memb Sci.* 479: 85-94. <http://dx.doi.org/10.1016/j.memsci.2015.01.021>.
- Minelli, M; Friess, K; Vopicka, O; De Angelis, MG. (2013). Modeling gas and vapor sorption in a polymer of intrinsic microporosity (PIM-1). *Fluid Phase Equilibria.* 347: 35-44. <http://dx.doi.org/10.1016/j.fluid.2013.03.003>.
- Minkov, VS; Beloborodova, AA; Drebuschak, VA; Boldyreva, EV. (2014). Furosemide Solvates: Can They Serve As Precursors to Different Polymorphs of Furosemide? *Cryst Growth Des.* 14: 513-522. <http://dx.doi.org/10.1021/cg401257w>.
- Misra, AK; Pacharee, S. (2002). Retention behaviour of metal ions on calcium sulphate layers: Separation of mercury. *Indian J Chem Tech.* 9: 239-244.
- Misra, DN. (1994). INTERACTION OF CHLORHEXIDINE DIGLUCONATE WITH AND ADSORPTION OF CHLORHEXIDINE ON HYDROXYAPATITE. *J Biomed Mater Res.* 28: 1375-1381.
- Miyagawa, D; Muroyama, M; Tanaka, K; Usui, H. (2016). Preparation of Phosphorescent Polymer Patterns by Spin-Coating Photoreactive Small Molecules. *Electronics and Communications in Japan.* 99: 58-64. <http://dx.doi.org/10.1002/ecj.11827>.
- Miyagawa, Y; Kamitakahara, H; Takano, T. (2013). Fractionation and characterization of lignin-carbohydrate complexes (LCCs) of Eucalyptus globulus in residues left after MWL isolation. Part II: Analyses of xylan-lignin fraction (X-L). *Holzforschung.* 67: 629-642. <http://dx.doi.org/10.1515/hf-2012-0148>.
- Mochida, T; Ohnishi, R; Horita, N; Kamiya, Y; Okuhara, T. (2007). Hydration of alpha-pinene over hydrophobic zeolites in 1,4-dioxane-water and in water. *Microporous and Mesoporous Materials.* 101: 176-183. <http://dx.doi.org/10.1016/j.micromeso.2006.10.022>.
- Mochizuki, H; Sasaki, F; Hotta, S, hu. (2014). Crystallization of thiophene/phenylene co-oligomers by dropping of their solutions into poor solvents. *Thin Solid Films.* 554: 89-94. <http://dx.doi.org/10.1016/j.tsf.2013.08.024>.
- Modarresi-Alam, A, liR; Dabbagh, HA. (2009). Dynamic H-1-NMR demonstration of anomeric effect and structure: conformational and configurational analysis of N-2-(1,4-dioxane)-N¹-(p-methylbenzenesulfonyl)-O-(p-methylphenoxy) isourea. *Turkish Journal of Chemistry.* 33: 607-619. <http://dx.doi.org/10.3906/kim-0901-22>.
- Moe, ST; Ragauskas, AJ. (1999). Oxygen delignification of high-yield kraft pulp part I: Structural properties of residual lignins. *Holzforschung.* 53: 416-422.
- Mogi, R; Inaba, M; Iriyama, Y; Abe, T; Ogumi, Z. (2003). Study on the decomposition mechanism of alkyl carbonate on lithium metal by pyrolysis-gas chromatography-mass spectroscopy. *J Power Sources.* 119: 597-603. [http://dx.doi.org/10.1016/S0378-7753\(03\)00302-1](http://dx.doi.org/10.1016/S0378-7753(03)00302-1).
- Mohamed, NH; Zaky, MT; Farag, AS; Fahmy, AFM. (2008). Separation of paraffin wax using solvent fractionation. *Petroleum Science and Technology.* 26: 562-574. <http://dx.doi.org/10.1080/10916460600809816>.
- Mohammad, A. (1995). SEPARATION OF NICKEL FROM COBALT AS ITS CHLOROSULPHATE ON SILICA-GEL LAYER WITH SOLVENTS CONTAINING FORMIC-ACID. *Indian J Chem Tech.* 2: 233-235.
- Mohammad, A, li; Bhawani, SA. (2009). On Plate Resolution and Identification of Three-Component Mixture of Nonionic Surfactants. *Tenside Surfactants Detergents.* 46: 81-84.

Fate Literature Search Results

Off Topic

- Mohammad, A; Sirwal, YH. (2004). Chromatography of heavy metal cations with formic acid containing mobile phases: Effect of added organic solvents and surfactants on the mobility of cations. *Indian J Chem Tech.* 11: 726-731.
- Mohammadi, A; Manteghian, M; Mohammadi, AH. (2013). Dissociation Data of Semiclathrate Hydrates for the Systems of Tetra-n-butylammonium Fluoride (TBAF) plus Methane plus Water, TBAF plus Carbon Dioxide plus Water, and TBAF plus Nitrogen plus Water. *Journal of Chemical and Engineering Data.* 58: 3545-3550. <http://dx.doi.org/10.1021/jc4008519>.
- Mohammadi, A; Manteghian, M; Mohammadi, AH. (2014). Phase equilibria of semiclathrate hydrates for methane plus tetra n-butylammonium chloride (TBAC), carbon dioxide plus TBAC, and nitrogen plus TBAC aqueous solution systems. *Fluid Phase Equilibria.* 381: 102-107. <http://dx.doi.org/10.1016/j.fluid.2014.08.012>.
- Mohammadi, M; Habibi, Z; Dezvarei, S; Yousefi, M; Ashjari, M. (2015). Selective enrichment of polyunsaturated fatty acids by hydrolysis of fish oil using immobilized and stabilized Rhizomucor miehei lipase preparations. *Food Bioprod Process.* 94: 414-421. <http://dx.doi.org/10.1016/j.fbp.2014.05.007>.
- Mohammadi, M; Habibi, Z; Dezyareh, S; Yousefi, M; Samadi, S; Ashjari, M. (2014). Improvement of the stability and selectivity of Rhizomucor miehei lipase immobilized on silica nanoparticles: Selective hydrolysis of fish oil using immobilized preparations. *Process Biochemistry.* 49: 1314-1323. <http://dx.doi.org/10.1016/j.procbio.2014.04.012>.
- Mohammadi-Rovshandeh, J; Abdouss, M; Hoseini, SM; Imani, M; Ekhlasi-Kazaj, K. (2010). Synthesis and Thermal Properties of Novel Biodegradable ABCBA Pentablock Copolymers from Poly (Ethylene glycol), (L)-Lactide and p- Dioxanone. *Iranian Journal of Chemistry and Chemical Engineering (International English Edition).* 29: 57-65.
- Monneyron, P; Manero, MH; Foussard, JN. (2003). Measurement and modeling of single- and multi-component adsorption equilibria of VOC on high-silica zeolites. *Environ Sci Technol.* 37: 2410-2414. <http://dx.doi.org/10.1021/es026206c>.
- Montebault, V; Folliot, J; Soutif, JC; Brosse, JC. (1994). SYNTHESIS OF CHELATING MOLECULES AS AGENTS FOR MAGNETIC-RESONANCE-IMAGING .2. SYNTHESIS AND COMPLEXING PROPERTIES OF N-ACRYLOYL DIETHYL IMINODIACETATE COPOLYMERS. 22: 81-89.
- Montesanto, S; Brucato, V; La Carrubba, V. (2016). Evaluation of mechanical and morphologic features of PLLA membranes as supports for perfusion cells culture systems. *Mater Sci Eng C.* 69: 841-849. <http://dx.doi.org/10.1016/j.msec.2016.07.030>.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2001). A novel formulation for controlled release of heparin-DOCA conjugate dispersed as nanoparticles in polyurethane film. *Biomaterials.* 22: 281-289.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2002). Improved blood compatibility by sustained release of heparin-deoxycholic acid conjugates in a PCL-PEG multiblock copolymer matrix. *J Biomater Sci Polym Ed.* 13: 817-828.
- Moreau, JL; Kesselman, D; Fisher, JP. (2007). Synthesis and properties of cyclic acetal biomaterials. *J Biomed Mater Res A.* 81: 594-602. <http://dx.doi.org/10.1002/jbm.a.31104>.
- Morgan, KT; Patterson, DL; Gross, EA. (1986). Responses of the nasal mucociliary apparatus of F-344 rats to formaldehyde gas. *Toxicol Appl Pharmacol.* 82: 1-13. [http://dx.doi.org/10.1016/0041-008X\(86\)90431-X](http://dx.doi.org/10.1016/0041-008X(86)90431-X).
- Mori, K; Nakamura, Y; Kaneko, M; Kan, T; Amemiya, T; Suzuki, S; Nakamura, H. (1992). Determination of 1,1,1-trichloroethane and 1,4-dioxane in household aerosol products. *JTTHE.* 38: 511-516.
- Mori, K; Nakamura, Y; Kaneko, M; Kan, T; Nakamura, H. (1993). SIMULTANEOUS DETERMINATION OF 1,1,1-TRICHLOROETHANE AND ITS STABILIZER IN WATER PROOFING AEROSOL PRODUCTS BY DRYSPACE METHOD. *JTTHE.* 39: 317-323.
- Morino, Y; Yamada, Y; Sato, S. (2014). Dehydration of 3-methyl-1,3-butanediol over Al₂O₃ modified with carbon. *Appl Catal A-Gen.* 475: 147-154. <http://dx.doi.org/10.1016/j.apcata.2014.01.027>.
- Morita, T; Hayashi, M. (1998). 1,4-Dioxane is not mutagenic in five in vitro assays and mouse peripheral blood micronucleus assay, but is in mouse liver micronucleus assay. *Environ Mol Mutagen.* 32: 269-280. [http://dx.doi.org/10.1002/\(SICI\)1098-2280\(1998\)32:3<269::AID-EM10>3.0.CO;2-8](http://dx.doi.org/10.1002/(SICI)1098-2280(1998)32:3<269::AID-EM10>3.0.CO;2-8).
- Morris, JJ; Noll, BC; Henderson, KW. (2006). Assembly of 6(3),6(6)-pillared metal-organic bilayers and diamondoid lattices using molecular Li₂O₂ ring dimers as secondary building units. *Cryst Growth Des.* 6: 1071-1073. <http://dx.doi.org/10.1021/cg0600187>.
- Mostafa, NYS. (1994). BASE-CATALYZED DIOXANE AND DIOXANE-BORAX PULPING AND THE FINE-STRUCTURE, CHEMICAL-REACTIVITY AND VISCOSITY FILTERABILITY OF COTTON CELLULOSE. *Cellulose Chemistry and Technology.* 28: 171-175.
- Motoyanagi, J; Kurata, A; Minoda, M. (2015). Self-assembly behavior of amphiphilic C₆₀-end-capped poly(vinyl ether)s in water and dissociation of the aggregates by the complexing of the C₆₀ moieties with externally added γ -cyclodextrins. *Langmuir.* 31: 2256-2261. <http://dx.doi.org/10.1021/la504341s>.
- Mounzer, HN; Wood, J; Stitt, EH. (2010). Heterogeneous oxidation of 2-octanol on 5 wt%Pt-1 wt%Bi/Carbon catalyst. *Chem Eng Sci.* 65: 179-185. <http://dx.doi.org/10.1016/j.ces.2009.05.050>.
- Mu, P; Sun, H; Zhu, Z; Liang, W; Liu, J; Li, A, n. (2016). Synthesis and Properties of Nitrogen-Containing Conjugated Microporous Polymers. *Macromolecular Materials & Engineering.* 301: 451-456. <http://dx.doi.org/10.1002/mame.201500383>.
- Mukherjee, K; Moulik, SP; Mukherjee, DC. (1993). THERMODYNAMICS OF MICELLIZATION OF AEROSOL OT IN POLAR AND NONPOLAR-SOLVENTS - A CALORIMETRIC STUDY. *Langmuir.* 9: 1727-1730.
- Mukherjee, S; Vannice, MA. (2006). Solvent effects in liquid-phase reactions - I. Activity and selectivity during citral hydrogenation on Pt/SiO₂ and evaluation of mass transfer effects. *J Catal.* 243: 108-130. <http://dx.doi.org/10.1016/j.jcat.2006.06.021>.
- Mumick, PS; Hester, RD; McCormick, CL. (1994). WATER-SOLUBLE COPOLYMERS .55. N-ISOPROPYLACRYLAMIDE-CO-ACRYLAMIDE COPOLYMERS IN DRAG REDUCTION - EFFECT OF MOLECULAR-STRUCTURE, HYDRATION, AND FLOW GEOMETRY ON DRAG REDUCTION PERFORMANCE. *Polymer Engineering and Science.* 34: 1429-1439.
- Mun, SP; Hassan, EB; Hassan, M. (2004). Liquefaction of lignocellulosic biomass with dioxane/polar solvent mixtures in the presence of an acid catalyst. *J Ind Eng Chem.* 10: 473-477.

Fate Literature Search Results

Off Topic

- Mun, SP; Jang, JP. (2009). Liquefaction of cellulose in the presence of phenol using p-toluene sulfonic acid as a catalyst. *J Ind Eng Chem.* 15: 743-747. <http://dx.doi.org/10.1016/j.jiec.2009.09.056>.
- Munirasu, S; Nunes, SP. (2014). Porous asymmetric SiO₂-g-PMMA nanoparticles produced by phase inversion. *Journal of Materials Science.* 49: 7399-7407. <http://dx.doi.org/10.1007/s10853-014-8434-6>.
- Mussini, T; Covington, AK; Cicognini, M; Longhi, P; Rondinini, S. (1982). STANDARD PH VALUES FOR POTASSIUM HYDROGENPHTHALATE BUFFER SOLUTIONS IN 10, 30, AND 50 WT PER CENT 1,4-DIOXAN WATER MIXTURES AT 25-DEGREES-C. *Ann Chim.* 72: 639-642.
- Mwangi, IW; Ngila, JC; Ndungu, P. (2012). A new spectrophotometric method for determination of residual polydiallyldimethylammonium chloride flocculant in treated water based on a diazotization-coupled ion pair. *Water SA.* 38: 707-714. <http://dx.doi.org/10.4314/wsa.v38i5.8>.
- Nadji, H; Diouf, PN; Benaboura, A; Bedard, Y; Riedl, B; Stevanovic, T. (2009). Comparative study of lignins isolated from Alfa grass (*Stipa tenacissima* L.). *Bioresour Technol.* 100: 3585-3592. <http://dx.doi.org/10.1016/j.biortech.2009.01.074>.
- Nagamine, T; Januszko, A; Kaszynski, P; Ohta, K; Endo, Y. (2006). Mesogenic, optical, and dielectric properties of 5-substituted 2-[12-(4-pentyloxyphenyl)-p-carboran-1-yl] [1,3]dioxanes. *J Mater Chem.* 16: 3836-3843. <http://dx.doi.org/10.1039/b608012j>.
- Nah, JW; Jeong, YI; Koh, JJ. (2000). Drug release from nanoparticles of poly(DL-lactide-co-glycolide). *Korean J Chem Eng.* 17: 230-236.
- Nahar, M; Zhang, J. (2011). Concentration and distribution of organic and inorganic water pollutants in eastern Shizuoka, Japan. *Toxicol Environ Chem.* 93: 1946-1955. <http://dx.doi.org/10.1080/02772248.2011.610498>.
- Naidu, BVK; Rao, KSV, K; Aminabhavi, TM. (2005). Pervaporation separation of water+1,4-dioxane and water plus tetrahydrofuran mixtures using sodium alginate and its blend membranes with hydroxyethylcellulose - A comparative study. *J Memb Sci.* 260: 131-141. <http://dx.doi.org/10.1016/j.memsci.2005.03.026>.
- Naik, KBK; Raju, S; Kumar, BA; Rao, GN. (2012). Chemical speciation of binary complexes of Pb(II), Cd(II) and Hg(II) with L-glutamic acid in dioxan-water mixtures. *Chem Speciation Bioavailability.* 24: 241-247. <http://dx.doi.org/10.3184/095422912X13494547943184>.
- Nain, AK; Chandra, P; Pandey, JD; Gopal, S. (2008). Densities, Refractive Indices, and Excess Properties of Binary Mixtures of 1,4-Dioxane with Benzene, Toluene, o-Xylene, m-Xylene, p-Xylene, and Mesitylene at Temperatures from (288.15 to 318.15) K. *Journal of Chemical and Engineering Data.* 53: 2654-2665. <http://dx.doi.org/10.1021/je800579j>.
- Nakajima, A; Matsui, S; Yanagida, S; Kameshima, Y; Okada, K. (2009). Preparation and properties of titania-Cs₂5H₀5PW₁₂O₄₀ hybrid films. *Surf Coating Tech.* 203: 1133-1137. <http://dx.doi.org/10.1016/j.surfcoat.2008.10.010>.
- Nakamiya, K; Takagi, H; Nakayama, T; Ito, H; Tsuruga, H; Edmonds, JS; Morita, M. (2005). Microbial production and vaporization of mono-(2-ethylhexyl) phthalate from di-(2-ethylhexyl) phthalate by microorganisms inside houses. *Arch Environ Occup Health.* 60: 321-325. <http://dx.doi.org/10.3200/AEOH.60.6.321>.
- Nakanishi, T; Shen, Y; Wang, J; Li, H; Fernandes, P; Yoshida, K; Yagai, S; Takeuchi, M; Ariga, K; Kurth, DG; Moehwald, H. (2010). Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. *J Mater Chem.* 20: 1253-1260. <http://dx.doi.org/10.1039/b916612b>.
- Nakano, S. (1999). Polycarbonate-modified acrylic polymers for coating materials. *Progr Org Coating.* 35: 141-151.
- Nakao, H; Hyon, SH; Tsutsumi, S; Matsumoto, T; Takahashi, J. (2003). Control of pore size in L-lactide/epsilon-caprolactone copolymer foams for tissue regeneration by the freeze-drying method. *Dent Mater J.* 22: 262-271.
- Nam, YS; Park, TG. (1999). Porous biodegradable polymeric scaffolds prepared by thermally induced phase separation. *J Biomed Mater Res.* 47: 8-17.
- Namkung, KC; Aris, A; Sharratt, PN. (2004). Characterization of effects of selected organic substances on decomposition of hydrogen peroxide during Fenton reaction. *Water Sci Technol.* 49: 129-134.
- Narain, R; Gonzales, M; Hoffman, AS; Stayton, PS; Krishnan, KM. (2007). Synthesis of monodisperse biotinylated p(NIPAAm)-coated iron oxide magnetic nanoparticles and their bioconjugation to streptavidin. *Langmuir.* 23: 6299-6304. <http://dx.doi.org/10.1021/la700268g>.
- Narke, CS; Math, KS. (1979). ANION-EXCHANGE SELECTIVITY IN WATER-DIOXANE MEDIUM. *Separation Science and Technology.* 14: 55-67.
- NAS. (2003). Food chemicals codex Polysorbate 20 (5th ed.). Washington, DC. http://www.nap.edu/catalog.php?record_id=10731.
- Nastasovic, AB; Ignjatovic, NL; Uskokovic, DP; Markovic, DD; Ekmescic, BM; Maksin, DD; Onjia, AE. (2014). Determination of thermodynamic interactions of polylactide and biphasic calcium phosphate/polylactide composite by inverse gas chromatography at infinite dilution. *Journal of Materials Science.* 49: 5076-5086. <http://dx.doi.org/10.1007/s10853-014-8214-3>.
- Nath, B; Baruah, JB. (2012). Quasi-Isostructural Solvates of Bis(4-hydroxy-3,5-dimethylphenyl)(4-N,N-dimethylaminophenyl)methane. *Cryst Growth Des.* 12: 6173-6180. <http://dx.doi.org/10.1021/cg3013427>.
- Nath, B; Baruah, JB. (2013). Polymorphs, Solvates, Polymorphs of Solvate and Cs+pi Interactions of Fluorine-Substituted bis-Phenols. *Cryst Growth Des.* 13: 5146-5155. <http://dx.doi.org/10.1021/cg401220x>.
- Nath, J; Pandey, JG. (1996). Excess molar volumes, relative permittivities, and refractive indexes of 1,1,2,2-tetrachloroethane plus pyridine, plus anisole, plus methyl ethyl ketone, and plus 1,4-dioxane at 303.15 K. *Journal of Chemical and Engineering Data.* 41: 844-847.
- Nath, J; RASHMI. (1990). EXCESS VOLUMES FOR BINARY-LIQUID MIXTURES OF 1,4-DIOXANE WITH METHYLENE-CHLORIDE, 1,2-DICHLOROETHANE, TRICHLOROETHYLENE, TETRACHLOROETHYLENE AND CYCLOHEXANE AT VARIOUS TEMPERATURES. *Fluid Phase Equilibria.* 58: 319-324.
- Nawwar, G; Yakout, S; El-Sadieq, MSA; El-Sabbagh, S. (2011). Synthesis and evaluation of new antioxidants for styrene butadiene rubber. *Pigment & Resin Technology.* 40: 399-409. <http://dx.doi.org/10.1108/03699421111180554>.
- Nayak, JN; Aralaguppi, MI; Aminabhavi, TM. (2003). Density, Viscosity, Refractive Index, and Speed of Sound in the Binary Mixtures of 1,4-Dioxane + Ethyl Acetoacetate, + Diethyl Oxalate, + Diethyl Phthalate, or + Dioctyl Phthalate at 298.15, 303.15, and 308.15 K. *Journal of Chemical and Engineering Data.* 48: 1489-1494. <http://dx.doi.org/10.1021/je0301489>.

Fate Literature Search Results

Off Topic

- Nayak, JN; Aralaguppi, MI; Aminabhavi, TM. (2003). Density, viscosity, refractive index, and speed of sound in the binary mixtures of 1,4-dioxane plus ethanediol, plus hexane, plus tributylamine, or plus triethylamine at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 48: 1152-1156. <http://dx.doi.org/10.1021/je030107c>.
- Nayak, JN; Aralaguppi, MI; Naidu, BVK; Aminabhavi, TM. (2004). Thermodynamic properties of water plus tetrahydrofuran and water plus 1,4-dioxane mixtures at (303.15, 313.15, and 323.15) K. *Journal of Chemical and Engineering Data*. 49: 468-474.
- Nazari, S; Ghandi, K. (2015). GREEN METHODS FOR OXIDATION OF AN AROMATIC DIKETONE TO AN AROMATIC ANHYDRIDE: OXIDATION OF ACEANTHRAQUINONE. *Fresen Environ Bull*. 24: 1350-1355.
- Nedeltshev, S. (2017). Theoretical prediction of mass transfer coefficients in both gas-liquid and slurry bubble columns. *Chem Eng Sci*. 157: 169-181. <http://dx.doi.org/10.1016/j.ces.2016.06.047>.
- Nedeltshev, S; Jordan, U, we; Schumpe, A. (2006). Correction of the penetration theory applied to the prediction of $k(L)a$ in a bubble column with organic liquids. *Chem Eng Tech*. 29: 1113-1117. <http://dx.doi.org/10.1002/ceat.200600158>.
- Nedeltshev, S; Jordan, U; Schumpe, A. (2010). SEMI-THEORETICAL PREDICTION OF VOLUMETRIC MASS TRANSFER COEFFICIENTS IN BUBBLE COLUMNS WITH ORGANIC LIQUIDS AT AMBIENT AND ELEVATED TEMPERATURES. *Can J Chem Eng*. 88: 523-532. <http://dx.doi.org/10.1002/cjce.20309>.
- Nelson, DA; Duncan, JB; Jensen, GA; Burton, SD. (1996). Isotopomeric water separations with supported polyphosphazene membranes. *J Memb Sci*. 112: 105-113.
- Nelson, H; Ihrig, A; Kahlau, R; Kibies, P; Kast, SM; Bohmer, R. (2015). Deuteron magnetic resonance and dielectric studies of guest reorientation and water dynamics in six clathrate hydrates containing ring-type guests. *Journal of Non-Crystalline Solids*. 407: 431-440. <http://dx.doi.org/10.1016/j.jnoncrysol.2014.08.059>.
- Nemeth, K; Faix, O. (1994). MONITORING OF THE PHOTODEGRADATION OF WOOD BY QUANTITATIVE DRIFT SPECTROSCOPY. *Holz als Roh- und Werkstoff*. 52: 261-266.
- Neto, CP; Seca, A; Nunes, AM; Coimbra, MA; Domingues, F; Evtuguin, D; Silvestre, A; Cavaleiro, JAS. (1997). Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity stages of *Arundo donax*. *Ind Crop Prod*. 6: 51-58.
- Neumann, HG; Vamvakas, S; Thielmann, HW; Gelbke, HP; Filser, JG; Reuter, U; Greim, H; Kappus, H; Norporth, KH; Wardenbach, P; Wichmann, HE. (1998). Changes in the classification of carcinogenic chemicals in the work area - Section III of the German List of MAK and BAT Values. *Int Arch Occup Environ Health*. 71: 566-574.
- Neves, P; Russo, PA; Fernandes, A; Antunes, MM; Farinha, J; Pillinger, M; Ribeiro, MF; Castanheiro, JE; Valente, AA. (2014). Mesoporous zirconia-based mixed oxides as versatile acid catalysts for producing bio-additives from furfuryl alcohol and glycerol. *Appl Catal A-Gen*. 487: 148-157. <http://dx.doi.org/10.1016/j.apcata.2014.08.042>.
- New Hampshire DES. (2011). Environmental fact sheet: 1,4-dioxane and drinking water [Fact Sheet]. (WD-DWGB-3-24). Concord, NH. <http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/documents/dwgb-3-24.pdf>.
- Nguyen, L; Nakatani, K; Journet, B. (2010). Refractive Index Measurement by Using an Optoelectronic Oscillator. *I E E E Photonics Technology Letters*. 22: 857-859. <http://dx.doi.org/10.1109/LPT.2010.2046028>.
- Nguyen, ML; Goh, KM. (1992). EVALUATION OF METHODS FOR DETERMINING S-35 AND S-32 IN THE SAME TRAPPING SOLUTION OF JOHNSON AND NISHITA METHOD. *Commun Soil Sci Plant Anal*. 23: 1893-1910.
- Nguyen, TPN; Yun, E; Kim, I, nC; Kwon, Y. (2013). Preparation of cellulose triacetate/cellulose acetate (CTA/CA)-based membranes for forward osmosis. *J Memb Sci*. 433: 49-59. <http://dx.doi.org/10.1016/j.memsci.2013.01.027>.
- Ni, YH; Ooi, T. (1996). Laboratory study on bleaching softwood kraft pulp by a totally chlorinefree process including the novel ozone bleaching. *Tappi Journal*. 79: 167-172.
- Niazi, A, Ii; Yazdanipour, A; Ghasemi, J; Amini, A; Bozorgzad, S; Kubista, M. (2008). Spectrophotometric investigation of the acidity constants of fluorescein in various water-organic solvent media. *Chemical Engineering Communications*. 195: 1257-1268. <http://dx.doi.org/10.1080/00986440801943677>.
- Nie, Q; Wang, JK. (2005). Solubility of 16 alpha,17 alpha-epoxyprogesterone in six different solvents. *Journal of Chemical and Engineering Data*. 50: 1750-1752. <http://dx.doi.org/10.1021/je050195w>.
- Nigiz, FU; Dogan, H; Hilmioglu, ND. (2012). Pervaporation of ethanol/water mixtures using clinoptilolite and 4A filled sodium alginate membranes. *Desalination*. 300: 24-31. <http://dx.doi.org/10.1016/j.desal.2012.05.036>.
- NIOSH. (2004). NIOSH pocket guide to chemical hazards: Dioxane. Cincinnati, OH. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- NIOSH. (2010). Dioxane. Atlanta, GA. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- Nirmal, JD; Pandya, VP; Desai, NV; Rangarajan, R. (1992). CELLULOSE TRIACETATE MEMBRANE FOR APPLICATIONS IN PLATING, FERTILIZER, AND TEXTILE DYE INDUSTRY WASTES. *Separation Science and Technology*. 27: 2083-2098.
- Nishikawa, H; Morimoto, T; Kodama, T; Ikemoto, I; Kikuchi, K; Yamada, J; Yoshino, H; Murata, K. (2003). New organic superconductors from a donor with reduced pi-system. *Synthetic Metals*. 133: 193-195.
- Nishikawa, H; Sato, T; Kodama, T; Ikemoto, I; Kikuchi, K; Anzai, H; Yamada, J. (1999). Preparation and properties of DOET derivatives and their salts. *Synthetic Metals*. 102: 1695-1695.
- Niu, H; Zhang, L; Gao, M; Chen, Y. (2005). Amphiphilic ABC triblock copolymer-assisted synthesis of core/shell structured CdTe nanowires. *Langmuir*. 21: 4205-4210. <http://dx.doi.org/10.1021/la046883f>.
- Niu, X; Fan, Y; Liu, X; Li, X; Li, P; Wang, J; Sha, Z; Feng, Q. (2011). Repair of bone defect in femoral condyle using microencapsulated chitosan, nanohydroxyapatite/collagen and poly(L-lactide)-based microsphere-scaffold delivery system. *Artif Organs*. 35: E119-E128. <http://dx.doi.org/10.1111/j.1525-1594.2011.01274.x>.

Fate Literature Search Results

Off Topic

- Niu, Y; Gao, F, ei; Sun, S; Xiao, J; Wei, X. (2013). Solubility of dilute SO₂ in 1,4-dioxane, 15-crown-5 ether, polyethylene glycol 200, polyethylene glycol 300, and their binary mixtures at 308.15 K and 122.66 kPa. *Fluid Phase Equilibria*. 344: 65-70. <http://dx.doi.org/10.1016/j.fluid.2013.01.008>.
- Noh, HJ; Park, S, oJin; In, S, eJin. (2010). Excess molar volumes and deviations of refractive indices at 298.15 K for binary and ternary mixtures with pyridine or aniline or quinoline. *J Ind Eng Chem*. 16: 200-206. <http://dx.doi.org/10.1016/j.jiec.2010.01.038>.
- Nojima, K; Isogami, C; Kobashi, M. (1994). APPLICATION OF 4-PHENYL-1,2,-4-TRIAZOLINE-3,5-DIONE FOR THE ANALYSIS OF SORBIC ACID IN FOODS. *JTHE*. 40: 467-471.
- Nonaka, T; Takeda, S. (1996). Transport of metal ions through cation exchange membranes containing episulfide (or thiol) groups and/or triethylenetetramine side chains. *J Memb Sci*. 121: 137-148.
- Nose, T; Yokoyama, Y; Takezaki, H; Hanaoka, Y. (2014). Treatment of 1,4-Dioxane by Pulsed Discharge Plasma in Air with Water Droplets Spray. *Kagaku Kogaku Ronbunshu*. 40: 27-30. <http://dx.doi.org/10.1252/kakoronbunshu.40.27>.
- Novaki, LP; El Seoud, OA. (2000). Microscopic polarities of interfacial regions of aqueous cationic micelles: Effects of structures of the solvatochromic probe and the surfactant. *Langmuir*. 16: 35-41.
- Nowaczyk-Organista, M; Pradzynski, W. (2012). DISCOLOURATION OF DIOXANE LIGNIN ISOLATED FROM OAK WOOD (QUERCUS ROBUR L.) AND SWEET CHERRY WOOD (PRUNUS AVIUM L.) IRRADIATED WITH VARIOUS LIGHT SOURCES. 57: 515-522.
- NRC. (1983). Risk Assessment in the Federal Government: Managing the Process. Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/366>.
- NRC. (1994). Science and judgment in risk assessment (pp. 672). Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/2125>.
- NRC. (2009). Science and decisions: Advancing risk assessment. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/12209>.
- NRC. (2011). National Academies Press Review of the Environmental Protection Agency's draft IRIS assessment of formaldehyde. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/13142>.
- Nukaga, N; Ono, H; Shida, T; Machida, H; Suzuki, T; Funakubo, H. (2002). Preparation of SrBi₂Ta₂O₉ thin films by liquid-delivery MOCVD without additional solvents. *Integrated Ferroelectrics*. 45: 215-222. <http://dx.doi.org/10.1080/10584580190044137>.
- Nunes, SP; Karunakaran, M; Pradeep, N; Behzad, AR; Hooghan, B; Sougrat, R; He, H; Peinemann, KV. (2011). From micelle supramolecular assemblies in selective solvents to isoporous membranes. *Langmuir*. 27: 10184-10190. <http://dx.doi.org/10.1021/la201439p>.
- O'Brien, AM; O'Fagain, C. (2000). Dye bleaching and phenol precipitation by phthalic anhydride-modified horseradish peroxidase. *J Chem Tech Biotechnol*. 75: 363-368.
- Ocana, DC; Martinezvidal, JL; Salinas, F. (1990). INFLUENCE OF THE DIELECTRIC-CONSTANT IN DIOXANE WATER MEDIA ON THE DISSOCIATION-CONSTANTS OF N-PHENYL-ACETYL-MANDELOHYDROXAMIC ACID. *Ann Chim*. 80: 473-480.
- O'Farrell, CE; Waghorne, WE. (2010). Henry's Law Constants of Organic Compounds in Water and n-Octane at T=293.2 K. *Journal of Chemical and Engineering Data*. 55: 1655-1658. <http://dx.doi.org/10.1021/je900711h>.
- Ogawa, H; Murakami, S; Takigawa, T; Ohba, M. (1997). Thermodynamic properties of rigid polycyclic molecules. 1: Enthalpies of solution of fused ring polycyclic aromatic hydrocarbons. *Fluid Phase Equilibria*. 136: 279-287.
- Ogawa, M; Takizawa, Y. (1999). Intercalation of alkylammonium cations into a layered titanate in the presence of macrocyclic compounds. *Chem Mater*. 11: 30-+.
- Oghbaie, M; Mirshokraie, SA; Massoudi, AH. (2015). Investigating the Stereochemistry of alpha-Carbon in Lignin Preparations and Lignin Model Compounds Using Se-77 NMR. *BioResources*. 10: 2506-2510. <http://dx.doi.org/10.15376/biores.10.2.2506-2510>.
- Okaji, R; Sakashita, S; Tazumi, K; Taki, K; Nagamine, S; Ohshima, M. (2013). Interconnected pores on the walls of a polymeric honeycomb monolith structure created by the unidirectional freezing of a binary polymer solution. *Journal of Materials Science*. 48: 2038-2045. <http://dx.doi.org/10.1007/s10853-012-6973-2>.
- Okamoto, K; Kita, H; Horii, K; Tanaka, K; Kondo, M. (2001). Zeolite NaA membrane: Preparation, single-gas permeation, and pervaporation and vapor permeation of water/organic liquid mixtures. *Ind Eng Chem Res*. 40: 163-175.
- Oliveira, AC; Coelho, MG; Pires, RF; Franco, MR, Jr. (2007). Solubility of benzoic acid in mixed solvents. *Journal of Chemical and Engineering Data*. 52: 298-300. <http://dx.doi.org/10.1021/je060408x>.
- Oliveira, L; Eutuguin, D; Cordeiro, N; Silvestre, AJD. (2009). Structural characterization of stalk lignin from banana plant. *Ind Crop Prod*. 29: 86-95. <http://dx.doi.org/10.1016/j.indcrop.2008.04.012>.
- Oliveira, L; Evtuguin, DV; Cordeiro, N; Silvestre, AJ; Silva, AM; Torres, IC. (2006). Structural characterization of lignin from leaf sheaths of "dwarf cavendish" banana plant. *J Agric Food Chem*. 54: 2598-2605. <http://dx.doi.org/10.1021/jf0528310>.
- Omori, S; Aoyama, M; Sakakibara, A. (1998). Hydrolysis of lignin with dioxane-water XIX. Reaction of beta-0-4 lignin model compounds in the presence of carbohydrates. *Holzforschung*. 52: 391-397.
- Onciu, M. (2007). Synthesis and characterization of novel aromatic polyamides containing pendent coumarin groups. *J Optoelect Adv Mater*. 9: 1014-1018.
- Ondo, D; Dohnal, V. (2007). Temperature dependence of limiting activity coefficients and Henry's law constants of cyclic and open-chain ethers in water. *Fluid Phase Equilibria*. 262: 121-136. <http://dx.doi.org/10.1016/j.fluid.2007.08.013>.
- O'Neil, MJ; Smith, A; Heckelman, PE; Obenchain, JR, Jr; Gallipeau, JAR; D'Arecca, MA. (2001). The Merck index: An encyclopedia of chemicals, drugs, and biologicals. In MJ O'Neil; A Smith; PE Heckelman; JR Obenchain; JR Gallipeau; MA D'Arecca (Eds.), (13th ed., pp. 305-306). Whitehouse Station, NJ: Merck & Co., Inc. <http://dx.doi.org/10.1021/ci700022n>.
- Ong, R; Chung, T. (2012). Fabrication and positron annihilation spectroscopy (PAS) characterization of cellulose triacetate membranes for forward osmosis. *J Memb Sci*. 394: 230-240. <http://dx.doi.org/10.1016/j.memsci.2011.12.046>.

Fate Literature Search Results

Off Topic

- Ong, YT; Ahmad, AL; Zein, SHS; Sudesh, K; Tan, SH. (2011). Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. *Separation and Purification Technology*. 76: 419-427. <http://dx.doi.org/10.1016/j.seppur.2010.11.013>.
- Oniki, T. (1998). Origin of free radicals produced from the syringyl end groups in lignins. *J Wood Sci*. 44: 314-319.
- Oniki, T; Takahama, U. (1994). EFFECTS OF REACTION-TIME, CHEMICAL-REDUCTION, AND OXIDATION ON ESR IN AQUEOUS-SOLUTIONS OF HUMIC ACIDS. *Soil Sci*. 158: 204-210.
- Oniki, T; Takahama, U. (1997). Free radicals produced by the oxidation of compounds containing syringyl and guaiacyl groups. 43: 493-498.
- Oniki, T; Takahama, U. (1997). Free radicals produced by the oxidation of dioxane lignins. 43: 499-503.
- Oomori, T; Kitano, Y. (1987). SYNTHESIS OF PROTODOLOMITE FROM SEA-WATER CONTAINING DIOXANE. *Geochemical Journal*. 21: 59-65.
- Ooyama, HE; Ide, T; Yamasaki, H; Harada, A; Nagahama, Y; Ono, A; Yoshida, K. (2012). Photophysical properties and photostability of novel symmetric polycyclicphenazine-type fluorescent dyes and the dye-doped films. *Dyes and Pigments*. 94: 103-112. <http://dx.doi.org/10.1016/j.dyepig.2011.11.010>.
- Ooyama, Y; Egawa, H; Yoshida, K. (2009). The design of a novel fluorescent PET sensor for proton and water: A phenylaminonaphtho[1,2-d]oxazol-2-yl-type fluorophore containing proton donor and acceptor groups. *Dyes and Pigments*. 82: 58-64. <http://dx.doi.org/10.1016/j.dyepig.2008.11.002>.
- Oppenlaender, T. (2007). Mercury-free sources of VUV/UV radiation: application of modern excimer lamps (excilamps) for water and air treatment. *J Environ Eng Sci*. 6: 253-264. <http://dx.doi.org/10.1139/S06-059>.
- Orabi, AS; Azab, HA. (1997). Potentiometric determination of the apparent dissociation constants of 3-(cyclohexylamino)-1-propanesulfonic acid and 3-(cyclohexylamino)-2-hydroxy-1-propanes acid in various hydroorganic media. *Journal of Chemical and Engineering Data*. 42: 1219-1223.
- Oromi-Farrus, M; Villorbina, G; Eras, J; Gatus, F; Torres, M; Canela, R. (2010). Determination of the iodine value of biodiesel using H-1 NMR with 1,4-dioxane as an internal standard. *Fuel*. 89: 3489-3492. <http://dx.doi.org/10.1016/j.fuel.2010.06.016>.
- Orzechowski, K; Szala, A. (2007). Non-linear dielectric effect in ice clathrates. *Journal of Non-Crystalline Solids*. 353: 4533-4535. <http://dx.doi.org/10.1016/j.jnoncrysol.2007.01.088>.
- OSHA. (2004). Air contaminants: occupational safety and health standards for shipyard employment. (29 CFR 1915.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10286.
- OSHA. (2004). Appendix A. Safety and health regulations for construction: Gases, vapors, fumes, dusts, and mists. (29 CFR 1926.55, Appendix A). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10629.
- OSHA. (2004). Table Z-1: Limits for air contaminants. Occupational safety and health standards. (29 CFR 1910.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992.
- Oskoei, AG; Safaei, N; Ghasemi, J. (2008). Densities and viscosities for binary and ternary mixtures of 1, 4-dioxane plus 1-hexanol plus N,N-dimethylaniline from T = (283.15 to 343.15) K. *Journal of Chemical and Engineering Data*. 53: 343-349. <http://dx.doi.org/10.1021/jc700344f>.
- Oswal, SL; Oswal, P; Dave, JP. (1994). V(E) OF MIXTURES CONTAINING ALKYL ACETATE, OR ETHYL ALKANOATE, OR ETHYL BROMOALKANOATE WITH N-HEXANE. *Fluid Phase Equilibria*. 98: 225-234.
- Otsuka, T; Okuno, T; Awaga, K; Inabe, T. (1998). Crystal structures and magnetic properties of acid-base molecular complexes, (p-pyridyl nitronylnitroxide)(2)X (X = hydroquinone, fumaric acid and squaric acid). *J Mater Chem*. 8: 1157-1163.
- Ottani, S; Vitalini, D; Comelli, F; Castellari, C. (2002). Densities, viscosities, and refractive indices of poly(ethylene glycol) 200 and 400 plus cyclic ethers at 303.15 K. *Journal of Chemical and Engineering Data*. 47: 1197-1204. <http://dx.doi.org/10.1021/jc020030c>.
- Otto, W; STREICHE.R; Schugerl, K. (1973). INFLUENCE OF SURFACE-ACTIVE AGENTS ON MASS-TRANSFER ACROSS LIQUID-LIQUID INTERFACES .1. DIOXANE-TOLUENE-WATER-SYSTEM. *Chem Eng Sci*. 28: 1777-1788.
- Ou, YX; Chen, B; Yan, H; Jia, HP; Li, JJ; Dong, S. (1995). DEVELOPMENT OF ENERGETIC ADDITIVES FOR PROPELLANTS IN CHINA. *Journal of Propulsion and Power*. 11: 838-847.
- Ouyang, P; Chen, G, uoXu; Li, H, uaF; Zhao, L, iTao. (2010). The tribological properties of (quinazolin-4-ones)-3-methyl-dibutyl borate as a novel additive in liquid paraffin. *Lubrication Science*. 22: 209-214. <http://dx.doi.org/10.1002/ls.130>.
- Ouyang, X; Ruan, T, ao; Qiu, X. (2016). Effect of solvent on hydrothermal oxidation depolymerization of lignin for the production of monophenolic compounds. *Fuel Process Tech*. 144: 181-185. <http://dx.doi.org/10.1016/j.fuproc.2015.12.019>.
- Ovens, JS; Leznoff, DB. (2015). Raman Detected Sensing of Volatile Organic Compounds by Vapochromic Cu[AuX₂(CN)₂]₂ (X = Cl, Br) Coordination Polymer Materials. *Chem Mater*. 27: 1465-1478. <http://dx.doi.org/10.1021/cm502998w>.
- Overton, JH; Kimbell, JS; Miller, FJ. (2001). Dosimetry modeling of inhaled formaldehyde: The human respiratory tract. *Toxicol Sci*. 64: 122-134.
- Ozawa, S; Sasaya, T. (1991). EXTRACTIVES OF TODOMATSU ABIES-SACHALINENSIS MASTERS .9. BRAUNS LIGNIN OF TODOMATSU ABIES-SACHALINENSIS. 37: 847-851.
- Paa, W; Yang, JP; Rentsch, S. (2001). Ultrafast intersystem crossing in thiophene oligomers investigated by fs-pump-probe spectroscopy. *Synthetic Metals*. 119: 525-526.
- PADOH. (2016). Health consultation: Evaluating Post-Filter Residential Water Samples Near Baghurst Drive National Priorities List Site, Upper Salford Township, Harleysville, Montgomery County, Pennsylvania. EPA Facility ID: PAN000306939. .
- Pahlavanzadeh, H; Kamran-Pirzaman, A; Mohammadi, AH. (2012). Thermodynamic modeling of pressure-temperature phase diagrams of binary clathrate hydrates of methane, carbon dioxide or nitrogen plus tetrahydrofuran, 1,4-dioxane or acetone. *Fluid Phase Equilibria*. 320: 32-37. <http://dx.doi.org/10.1016/j.fluid.2012.01.010>.

Fate Literature Search Results

Off Topic

- Pajevic, S; Bansil, R; Konak, C. (1991). DIFFUSION OF LINEAR POLYMER-CHAINS IN GELS. *Journal of Non-Crystalline Solids*. 131: 630-634.
- Pal, A; Singh, W. (1996). Excess molar volumes of linear and cyclic ethers plus chloroethenes at 298.15 K. *Journal of Chemical and Engineering Data*. 41: 428-430.
- Palkhiwala, AG; Lin, YH; Perlmutter, DD; Olson, DH. (1999). Liquid phase separation of polar hydrocarbons from light aromatics using zeolites. *Adsorption*. 5: 399-407.
- Paluch, AS; Cryan, D, anD III; Maginn, EJ. (2011). Predicting the Solubility of the Sparingly Soluble Solids 1,2,4,5-Tetramethylbenzene, Phenanthrene, and Fluorene in Various Organic Solvents by Molecular Simulation. *Journal of Chemical and Engineering Data*. 56: 1587-1595. <http://dx.doi.org/10.1021/je101251n>.
- Pan, A; Naskar, B; Prameela, GKS; Kumar, BVN, P; Mandal, AB; Bhattacharya, SC; Moulik, SP. (2012). Amphiphile Behavior in Mixed Solvent Media I: Self-Aggregation and Ion Association of Sodium Dodecylsulfate in 1,4-Dioxane-Water and Methanol-Water Media. *Langmuir*. 28: 13830-13843. <http://dx.doi.org/10.1021/la303281d>.
- Papanastasiou, GE; Ziogas, II. (1991). PHYSICAL BEHAVIOR OF SOME REACTION MEDIA - DENSITY, VISCOSITY, DIELECTRIC-CONSTANT, AND REFRACTIVE-INDEX CHANGES OF ETHANOL CYCLOHEXANE MIXTURES AT SEVERAL TEMPERATURES. *Journal of Chemical and Engineering Data*. 36: 46-51.
- Park, D, aeHo. (2007). A new process for fabricating nanodot arrays on selective regions with diblock copolymer thin film. *Nanotechnology*. 18. <http://dx.doi.org/10.1088/0957-4484/18/36/365303>.
- Park, H; Kwon, O; Ryu, K. (2015). Thermal stability and degradation kinetics of polyphenols and polyphenylenediamines enzymatically synthesized by horseradish peroxidase. *Korean J Chem Eng*. 32: 1847-1852. <http://dx.doi.org/10.1007/s11814-015-0011-4>.
- Park, JH; Hussam, A; Couasnon, P; Fritz, D; Carr, PW. (1987). Experimental reexamination of selected partition coefficients from Rohrschneider's data set. *Anal Chem*. 59: 1970-1976. <http://dx.doi.org/10.1021/ac00142a016>.
- Park, JY; Lee, CH; Yoo, KP; Lim, JS. (2005). The effect of adding organic solvents on the phase behavior in water/surfactant/scCO₂ microemulsion in supercritical state. *Key Eng Mater*. 277-279: 886-892.
- Park, KH, ee; Mondal, S; Ghosh, S; Das, S; Bhaumik, A. (2016). Enhanced efficiency in dye-sensitized solar cells based on mesoporous titanium phosphate photoanode. *Microporous and Mesoporous Materials*. 225: 255-260. <http://dx.doi.org/10.1016/j.micromeso.2015.11.059>.
- Park, T; Rettich, TR; Battino, R; Wilhelm, E. (1987). BINARY GASEOUS-DIFFUSION COEFFICIENTS .6. CHLOROBENZENE, 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, 1,1,1-TRICHLOROETHANE, TETRACHLOROETHENE, 1,4-DIOXANE AND OCTAMETHYLCYCLOTETRAILOXANE WITH AIR AT 1-ATM AND 283-K TO 343-K. *Mater Chem Phys*. 16: 397-410.
- Partoon, B; Sabil, KM; Roslan, H; Lal, B; Keong, L, auKok. (2016). Impact of acetone on phase boundary of methane and carbon dioxide mixed hydrates. *Fluid Phase Equilibria*. 412: 51-56. <http://dx.doi.org/10.1016/j.fluid.2015.12.027>.
- Partsevskaya, SV; Zheltonozhskaya, TB; Permyakova, NM; Kolendo, AY. (2011). Biocompatible and biodegradable MOPEO-b-PCL diblock copolymer micelles as nanocontainers for drugs. *Materwiss Werksttech*. 42: 123-130. <http://dx.doi.org/10.1002/mawe.201100743>.
- Pasquini, D; Pimenta, MTB; Ferreira, LH; Curvelo, AAD. (2005). Extraction of lignin from sugar cane bagasse and Pinus taeda wood chips using ethanol-water mixtures and carbon dioxide at high pressures. *Journal of Supercritical Fluids*. 36: 31-39. <http://dx.doi.org/10.1016/j.supflu.2005.03.004>.
- Pasquini, D; Pimenta, MTB; Ferreira, LH; Curvelo, AAS. (2005). Sugar cane bagasse pulping using supercritical CO₂ associated with co-solvent 1-butanol/water. *Journal of Supercritical Fluids*. 34: 125-131. <http://dx.doi.org/10.1016/j.supflu.2004.11.005>.
- Patil, MB; Veerapur, RS; Bhat, SD; Madhusoodana, CD; Aminabhavi, TM. (2009). Hybrid composite membranes of sodium alginate for pervaporation dehydration of 1,4-dioxane and tetrahydrofuran. *Desalination and Water Treatment*. 3: 11-20.
- Patil, RD; Joshi, G; Adimurthy, S. (2010). HBr-H₂O₂: A Facile Protocol for Regioselective Synthesis of Bromohydrins and alpha-Bromoketones and Oxidation of Benzylic/Secondary Alcohols to Carbonyl Compounds under Mild Aqueous Conditions. *Ind Eng Chem Res*. 49: 8100-8105. <http://dx.doi.org/10.1021/ie100492r>.
- Patton, S; Li, W, ei; Couch, KD; Mezyk, SP; Ishida, KP; Liu, H. (2017). Impact of the Ultraviolet Photolysis of Monochloramine on 1,4-Dioxane Removal: New Insights into Potable Water Reuse. *Environ Sci Technol Lett*. 4: 26-30. <http://dx.doi.org/10.1021/acs.estlett.6b00444>.
- Patwardhan, AP; Thompson, DH. (2000). Novel flexible and rigid tetraether acyclic and macrocyclic bisphosphocholines: Synthesis and monolayer properties. *Langmuir*. 16: 10340-10350.
- Pavia, FC; La Carrubba, V; Brucato, V. (2009). TUNING OF BIODEGRADATION RATE OF PLLA SCAFFOLDS VIA BLENDING WITH PLA. *International Journal of Material Forming*. 2: 713-716. <http://dx.doi.org/10.1007/s12289-009-0574-x>.
- Pavia, FC; La Carrubba, V; Brucato, V; Ghersi, G. (2009). TAILORING PLLA SCAFFOLDS FOR TISSUE ENGINEERING APPLICATIONS: MORPHOLOGIES FOR 2D AND 3D CELL CULTURES. *International Journal of Material Forming*. 2: 717-720. <http://dx.doi.org/10.1007/s12289-009-0546-1>.
- Pavia, FC; La Carrubba, V; Piccarolo, S; Brucato, V. (2008). Polymeric scaffolds prepared via thermally induced phase separation: tuning of structure and morphology. *J Biomed Mater Res A*. 86: 459-466. <http://dx.doi.org/10.1002/jbm.a.31621>.
- Pavlov, OS; Karsakov, SA; Pavlov, SY, u. (2011). A new technology for the production of isoprene from isobutene-containing C-4 fractions and formaldehyde: Prospects for industrial reconstruction. *Theoretical Foundations of Chemical Engineering*. 45: 487-491. <http://dx.doi.org/10.1134/S0040579510051264>.
- Pawlowicz, R. (2012). The electrical conductivity of seawater at high temperatures and salinities. *Desalination*. 300: 32-39. <http://dx.doi.org/10.1016/j.desa.2012.06.001>.
- Peleteiro, S; da Costa Lopes, AM; Garrote, G, il; Parajo, JC; Bogel-Lukasik, R. (2015). Simple and Efficient Furfural Production from Xylose in Media Containing 1-Butyl-3-Methylimidazolium Hydrogen Sulfate. *Ind Eng Chem Res*. 54: 8368-8373. <http://dx.doi.org/10.1021/acs.iecr.5b01771>.

Fate Literature Search Results

Off Topic

- Penas, A; Calvo, E; Pintos, M; Amigo, A; Bravo, R. (2000). Refractive indices and surface tensions of binary mixtures of 1,4-dioxane plus n-alkanes at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 682-685.
- Perestrelo, R; Barros, AS; Câmara, JS; Rocha, SM. (2011). In-depth search focused on furans, lactones, volatile phenols, and acetals as potential age markers of Madeira wines by comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry combined with solid phase microextraction. *J Agric Food Chem*. 59: 3186-3204. <http://dx.doi.org/10.1021/jf104219t>.
- Pérez-Prior, MT; Manso, JA; García-Santos, M; Calle, E; Casado, J. (2005). Alkylating potential of potassium sorbate. *J Agric Food Chem*. 53: 10244-10247. <http://dx.doi.org/10.1021/jf052152p>.
- Perra, B; Haluk, JP; Metche, M. (1993). EXTRACTION OF SUBERIN AND LIGNIN FROM BEECH BARKS (FAGUS-SYLVATICA L). *Holzforschung*. 47: 486-490.
- Perra, B; Haluk, JP; Metche, M. (1995). IR,H-1 AND C-13 NMR SPECTROSCOPIC STUDIES OF SUBERIN FROM BEECH BARKS (FAGUS-SYLVATICA L). *Holzforschung*. 49: 99-103.
- Perschke, H; Hussain, M. (1992). CHEMICAL ISOMERIZATION OF DELTAMETHRIN IN ALCOHOLS. *J Agric Food Chem*. 40: 686-690.
- Pesic, M; Lopez, C; Alvaro, G. (2012). Chloroperoxidase catalyzed oxidation of Cbz-ethanolamine to Cbz-glycinal. *Biochem Eng J*. 67: 218-224. <http://dx.doi.org/10.1016/j.bej.2012.06.019>.
- Petrelli, G; Siepi, G; Milligi, L; Vineis, P. (1993). Solvents in pesticides. *Scand J Work Environ Health*. 19: 63-65.
- Piasecki, A; Mayhew, A. (2000). Synthesis and surface properties of chemodegradable anionic surfactants: Diastereomeric (2-n-alkyl-1,3-dioxan-5-yl) sulfates with monovalent counter-ions. *Journal of Surfactants and Detergents*. 3: 59-65.
- Piasecki, A; Sokolowski, A; Burczyk, B; Gancarz, R; Kotlewska, U. (1997). Synthesis, surface properties, and hydrolysis of chemodegradable anionic surfactants: Diastereomerically pure sodium cis- and trans-(2-n-alkyl-1,3-dioxan-5-yl) sulfates. *Langmuir*. 13: 1434-1439.
- Pineider, F; Mannini, M; Danieli, C; Armelao, L; Piras, FM; Magnani, A; Cornia, A; Sessoli, R. (2010). Deposition of intact tetrairon(III) single molecule magnet monolayers on gold: an STM, XPS, and ToF-SIMS investigation. *J Mater Chem*. 20: 187-194. <http://dx.doi.org/10.1039/b916895h>.
- Pineiro, A; Olvera, A; Garcia-Miaja, G; Costas, A. (2001). Excess molar enthalpies of tetrahydrofuran or diisopropyl ether+1-alkanols at 298.15 K, using a newly designed flow mixing cell for an isothermal microcalorimeter. *Journal of Chemical and Engineering Data*. 46: 1274-1279.
- Platz, J; Sehested, J; Mogelberg, T; Nielsen, OJ; Wallington, TJ. (1997). Atmospheric chemistry of 1,4-dioxane. *Faraday Trans 1*. 93: 2855-2863. <http://dx.doi.org/10.1039/a700598i>.
- Plazas Bonilla, CE; Trujillo, S; Demirdögen, B; Perilla, JE; Murat Elcin, Y; Gómez Ribelles, JL. (2014). New porous polycaprolactone-silica composites for bone regeneration. *Mater Sci Eng C*. 40: 418-426. <http://dx.doi.org/10.1016/j.msec.2014.04.024>.
- Ploesser, J; Lucas, M; Claus, P. (2014). Highly selective menthol synthesis by one-pot transformation of citronellal using Ru/H-BEA catalysts. *J Catal*. 320: 189-197. <http://dx.doi.org/10.1016/j.jcat.2014.10.007>.
- Plucinski, PK; Bavykin, DV; Kolaczkowski, ST; Lapkin, AA. (2005). Application of a structured multifunctional reactor for the oxidation of a liquid organic feedstock. *Catalysis Today*. 105: 479-483. <http://dx.doi.org/10.1016/j.cattod.2005.06.021>.
- Pohl, HR; Roney, N; Fay, M; C-H, C; Wilbur, S; Holler, J. (1999). Site-specific consultation for a chemical mixture. *Toxicol Ind Health*. 15: 470-479.
- Pokorna, V; Vyprachticky, D; Pecka, J. (2001). Aggregation of poly(gamma-benzyl L-glutamates)s followed by time-resolved emission anisotropy. *Macromol Biosci*. 1: 185-190.
- Pokrovskii, VA. (1999). Calculation of the standard partial molal thermodynamic properties and dissociation constants of aqueous HClO and HBrO at temperatures to 1000 degrees C and pressures to 5 kbar. *Geochim Cosmo Acta*. 63: 1107-1115.
- Polaczek, J; Talbiersky, J; Domanowski, W; Pielichowski, J; Machowska, Z. (2003). Studies on catalytic liquid-phase oxidation of anthracene. *Przemysł Chemiczny*. 82: 342-346.
- Powell, J. R.; Miller, BJ; Acree, WE. (1995). SOLUBILITY OF ANTHRACENE IN BINARY ALCOHOL PLUS 1,4-DIOXANE SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 40: 1124-1126.
- Pozzi, R; Bocchini, P; Pinelli, F; Galletti, GC. (2006). Rapid analysis of tile industry gaseous emissions by ion mobility spectrometry and comparison with solid phase micro-extraction/gas chromatography/mass spectrometry. *J Environ Monit*. 8: 1219-1226. <http://dx.doi.org/10.1039/b609850a>.
- Pradhan, R; Kamath, A; Brahman, D; Sinha, B. (2015). Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2-disubstituted ethanes at T = (298.15, 308.15 and 318.15) K. *Fluid Phase Equilibria*. 404: 131-140. <http://dx.doi.org/10.1016/j.fluid.2015.06.041>.
- Prasad, TEV; Kumar, SS; Goud, MBP; Kumar, PA; Srinivas, A; Reddy, PS; Prasad, DHL. (2003). Bubble temperature measurements on binary mixtures formed by cyclohexane at 94.7 kPa. *Journal of Chemical and Engineering Data*. 48: 351-353. <http://dx.doi.org/10.1021/je020148t>.
- Prazeres, TJ; Santos, AM; Martinho, JM; Elaïssari, A; Pichot, C. (2004). Adsorption of oligonucleotides on PMMA/PNIPAM core-shell latexes: polarity of the PNIPAM shell probed by fluorescence. *Langmuir*. 20: 6834-6840. <http://dx.doi.org/10.1021/la049609u>.
- Pribyla, KJ; Spurgin, MA; Chuca, I; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus cyclohexane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 971-973. <http://dx.doi.org/10.1021/je000084r>.
- Pribyla, KJ; Spurgin, MA; Chuca, I; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus heptane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 965-967.
- Pribyla, KJ; Van, TT; Ezell, C; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus 2,2,4-trimethylpentane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 968-970.
- Prochazka, K; Labsky, J; Tuzar, Z. (1995). LIGHT-SCATTERING AND TIME-RESOLVED FLUORESCENCE STUDY OF THE BEHAVIOR OF A FLUORESCENTLY TAGGED POLY(METHYL METHACRYLATE) SAMPLE IN POLAR ORGANIC-SOLVENTS. *Langmuir*. 11: 1584-1588.

Fate Literature Search Results

Off Topic

- Prodanovic, O; Spasojevic, D; Prokopijevic, M; Radotic, K; Markovic, N; Blazic, M; Prodanovic, R. (2015). Tyramine modified alginates via periodate oxidation for peroxidase induced hydrogel formation and immobilization. *React Funct Polym.* 93: 77-83. <http://dx.doi.org/10.1016/j.reactfunctpolym.2015.06.004>.
- Profir, VM; Rasmuson, AC. (2006). Crystallization of stable and metastable phases of phenylsuccinic acid. *Cryst Growth Des.* 6: 1143-1153. <http://dx.doi.org/10.1021/cg050089q>.
- Prokopijevic, M; Prodanovic, O; Spasojevic, D; Stojanovic, Z; Radotic, K; Prodanovic, R. (2014). Soybean hull peroxidase immobilization on macroporous glycidyl methacrylates with different surface characteristics. *Bioprocess Biosyst Eng.* 37: 799-804. <http://dx.doi.org/10.1007/s00449-013-1050-z>.
- Provan, GJ; Scobbie, L; Chesson, A. (1994). DETERMINATION OF PHENOLIC-ACIDS IN PLANT-CELL WALLS BY MICROWAVE DIGESTION. *J Sci Food Agric.* 64: 63-65.
- Prozil, SO; Evtuguin, DV; Silva, AM; Lopes, LP. (2014). Structural characterization of lignin from grape stalks (*Vitis vinifera* L.). *J Agric Food Chem.* 62: 5420-5428. <http://dx.doi.org/10.1021/jf502267s>.
- Pu, SJ; Shiraishi, N. (1993). LIQUEFACTION OF WOOD WITHOUT A CATALYST .1. TIME-COURSE OF WOOD LIQUEFACTION WITH PHENOLS AND EFFECTS OF WOOD PHENOL RATIOS. 39: 446-452.
- Pu, Y; Anderson, S; Lucia, L; Ragauskas, A. (2003). Fundamentals of photobleaching lignin. Part I: Photobehaviours of acetylated softwood BCTMP lignin. *Journal of Pulp & Paper Science.* 29: 401-406.
- Pugazhendhi, P; Suryanarayana, CV. (1992). ELECTRICAL CONDUCTANCE AND COHESIVE ENERGY OF TETRAALKYLAMMONIUM SALTS IN WATER-PARA-DIOXANE MIXTURES. 30: 209-216.
- Pulat, M; Ekmekci, A; Aslim, B. (2006). The release of bovine serum albumin from polyurethane based hydrophilic and hydrophobic disks and microbiological interactions. *Biomed Mater Eng.* 16: 147-156.
- Pundlik, MD; Sitharaman, B; Kaur, I. (2001). Gas chromatographic determination of 1,4-dioxane in benzene. *Journal of Sci Ind Res.* 60: 401-404.
- Qi, Y; Xu, X; Li, N; Fang, Y. (2012). Hydrolysis Kinetics of 2-Propyl-1,3-Dioxane for Downstream Separation of 1,3-Propanediol. *Separation Science and Technology.* 47: 584-590. <http://dx.doi.org/10.1080/01496395.2011.627906>.
- Qian, JW; Miao, YM; Zhang, L; Chen, HL. (2002). Influence of viscosity slope coefficient of CA and its blends in dilute solutions on permeation flux of their films for MeOH/MTBE mixture. *J Memb Sci.* 203: 167-173.
- Qian, Y; Qiu, X; Zhong, X; Zhang, D; Deng, Y; Yang, D; Zhu, S. (2015). Lignin Reverse Micelles for UV-Absorbing and High Mechanical Performance Thermoplastics. *Ind Eng Chem Res.* 54: 12025-12030. <http://dx.doi.org/10.1021/acs.iecr.5b03360>.
- Qiu, F; Yang, J; Huang, G; Hu, H; Yu, S; Zhao, H; Li, R. (2014). Measurement of Solid-Liquid Phase Equilibrium for the Ternary 3-Nitrophthalic Anhydride+4-Nitrophthalic Anhydride+1,4-Dioxane System. *Journal of Chemical and Engineering Data.* 59: 1583-1587. <http://dx.doi.org/10.1021/je500171d>.
- Qiu, T; Kuang, C, hui; Li, CG; Zhang, X, wu; Wang, X, da. (2013). Study on Feasibility of Reactive Distillation Process for the Direct Hydration of Cyclohexene to Cyclohexanol Using a Cosolvent. *Ind Eng Chem Res.* 52: 8139-8148. <http://dx.doi.org/10.1021/ie303144k>.
- Qiu, T; Li, S, uJ; Li, S, huY; Wu, Y, anX. (2009). Liquid-liquid phase equilibria of the ternary system of water/1,4-dioxane/dihydromyrcene. *Fluid Phase Equilibria.* 280: 84-87. <http://dx.doi.org/10.1016/j.fluid.2009.03.017>.
- Qiu, T; Wang, X, da; Tian, H, ui; Huang, Z, hiX. (2012). Liquid-liquid equilibrium for the system water plus 1,4-dioxane plus cyclohexanol over the temperature range of 313.2-343.2K. *Fluid Phase Equilibria.* 324: 28-32. <http://dx.doi.org/10.1016/j.fluid.2012.03.010>.
- Qiu, Z, hiC; Zhang, JJ; Niu, Y; Huang, C, aiLi; Yang, K, eKe; Wang, Y, uZ. (2011). Preparation of Poly(p-dioxanone)/Sepiolite Nanocomposites with Excellent Strength/Toughness Balance via Surface-Initiated Polymerization. *Ind Eng Chem Res.* 50: 10006-10016. <http://dx.doi.org/10.1021/ie200106f>.
- Quen, H, anLi; Raj, BC. (2006). Evaluation of UV/O-3 and UV/H2O2 processes for nonbiodegradable compounds: Implications for integration with biological processes for effluent treatment. *Chemical Engineering Communications.* 193: 1263-1276. <http://dx.doi.org/10.1080/00986440500440207>.
- Quesada-Medina, J; López-Cremades, FJ; Olivares-Carrillo, P. (2010). Organosolv extraction of lignin from hydrolyzed almond shells and application of the delta-value theory. *Bioresour Technol.* 101: 8252-8260. <http://dx.doi.org/10.1016/j.biortech.2010.06.011>.
- Quintana, J; Vegué, L; Martín-Alonso, J; Paraira, M; Boleda, MR; Ventura, F. (2016). Odor Events in Surface and Treated Water: The Case of 1,3-Dioxane Related Compounds. *Environ Sci Technol.* 50: 62-69. <http://dx.doi.org/10.1021/acs.est.5b03409>.
- Quintana, JR; Janez, MD; Katime, I. (1996). Micellization of polystyrene-block-poly(ethylene/propylene) in toluene solutions of polystyrene. *Langmuir.* 12: 2196-2199.
- Radwan, A; Willey, RJ; Davies, G. (1999). Characteristics of sequential, solvent pre-extraction in the isolation of humic acid from the alga *Pilayella littoralis*. *Chemical Engineering Communications.* 172: 41-64.
- Radwan, A; Willey, RJ; Davies, G; Fataftah, A; Ghabbour, EA; Jansen, SA. (1996). Supercritical fluid CO2 extraction accelerates isolation of humic acid from live *Pilayella littoralis* (Phaeophyta). *J Appl Phycol.* 8: 545-551.
- Rafati, AA; Ghasemian, E; Iloukhani, H. (2009). Surface Tension and Surface Properties of Binary Mixtures of 1,4-Dioxane or N,N-Dimethyl Formamide with n-Alkyl Acetates. *Journal of Chemical and Engineering Data.* 54: 3224-3228. <http://dx.doi.org/10.1021/je9002114>.
- Raghavaiah, CV; Chiranjivi, C; Rao, GH. (1978). ISOBARIC VAPOR-LIQUID-EQUILIBRIA OF NORMAL-BUTANOL-1,1,2,2-TETRACHLOROETHANE AND 1,4-DIOXANE-1,1,2,2-TETRACHLOROETHANE SYSTEMS. 16: 300-302.
- Raghu, MS; Basavaiah, K. (2011). Two charge-transfer complexation reactions for spectrophotometric determination of pheniramine maleate using pi-acceptors. *Journal of Sci Ind Res.* 70: 851-858.
- Rahaman, MN; Fu, Q. (2008). Manipulation of Porous Bioceramic Microstructures by Freezing of Suspensions Containing Binary Mixtures of Solvents. *Journal of the American Ceramic Society.* 91: 4137-4140. <http://dx.doi.org/10.1111/j.1551-2916.2008.02795.x>.

Fate Literature Search Results

Off Topic

- Raj, CBC; Ramkumar, N; Siraj, AHJ; Chidambaram, S. (1997). Biodegradation of acetic, benzoic, isophthalic, toluic and terephthalic acids using a mixed culture: Effluents of PTA production. *Process Saf Environ Protect*. 75: 245-256.
- Raja, SS; Kubendran, TR. (2004). Viscosities and densities of binary mixtures of 1,4-dioxane, carbon tetrachloride, and butanol at 303.15 K, 308.15 K, and 313.15 K. *Journal of Chemical and Engineering Data*. 49: 421-425.
- Rajendran, G; Kalidas, C. (1986). SOLVATION ENERGIES AND SOLVENT TRANSPORT NUMBERS OF SILVER(I) SULFATE AND SILVER(I) ACETATE IN ACETONITRILE, DIMETHYLSULFOXIDE, AND THEIR MIXTURES WITH DIOXANE. *Journal of Chemical and Engineering Data*. 31: 226-229.
- Rallo, F; Rodante, F. (1972). CALORIMETRIC STUDY OF WATER-DIMETHYLSULFOXIDE ADDUCTS IN DIOXANE SOLUTION. *Ann Chim*. 62: 221-&.
- Ramakrishna, C; Krishna, R; Gopi, T; Swetha, G; Saini, B; Shekar, SC; Srivastava, A. (2016). Complete oxidation of 1,4-dioxane over zeolite-13X-supported Fe catalysts in the presence of air. *Chinese journal of catalysis*. 37: 240-249. [http://dx.doi.org/10.1016/S1872-2067\(15\)61030-0](http://dx.doi.org/10.1016/S1872-2067(15)61030-0).
- Ramalingam, S; Rajendran, S; Ganesan, P. (2016). Improving the performance is better and emission reductions from Annona biodiesel operated diesel engine using 1,4-dioxane fuel additive. *Fuel*. 185: 804-809. <http://dx.doi.org/10.1016/j.fuel.2016.08.049>.
- Ramaraju, B; Karuppiah, J; Reddy, EL; Reddy, PMK; Subrahmanyam, C, h. (2012). Removal of mixture of VOCs by nonthermal plasma. *Composite Interfaces*. 19: 271-277. <http://dx.doi.org/10.1080/15685543.2012.699762>.
- Ramaraju, B; Subrahmanyam, C, h. (2014). Catalytic non-thermal plasma reactor for stripping the VOCs from air. *Composite Interfaces*. 21: 651-658. <http://dx.doi.org/10.1080/15685543.2014.927716>.
- Ramesh, S; Sivasamy, A; Kim, J. (2012). Synthesis and characterization of maleimide-functionalized polystyrene-SiO₂/TiO₂ hybrid nanocomposites by sol-gel process. *Nanoscale Res Lett*. 7: 350. <http://dx.doi.org/10.1186/1556-276X-7-350>.
- Ramírez, N; Marcé, RM; Borrull, F. (2011). Determination of volatile organic compounds in industrial wastewater plant air emissions by multi-sorbent adsorption and thermal desorption-gas chromatography-mass spectrometry. *Int J Environ Anal Chem*. 91: 911-928. <http://dx.doi.org/10.1080/03067310903584073>.
- Ramon, G; Jacobs, A; Molete, RP; Nassimbeni, LR; Taljaard, JH. (2009). INCLUSION OF DIOXANE AND PYRIDINE BY A TRICYCLIC HOST STRUCTURES, KINETICS AND SELECTIVITY. *Ann Chimie Sci Materiaux*. 34: 429-440. <http://dx.doi.org/10.3166/acsm.34.429-440>.
- Ramos, LP; Mathias, AL; Silva, FT; Cotrim, AR; Ferraz, AL; Chen, CL. (1999). Characterization of residual lignin after SO(2)-catalyzed steam explosion and enzymatic hydrolysis of Eucalyptus viminalis wood chips. *J Agric Food Chem*. 47: 2295-2302.
- Rampon, DS; Rodembusch, FS; Schneider, JMF, M; Bechtold, IH; Goncalves, PFB; Merlo, AA; Schneider, PH. (2010). Novel selenoesters fluorescent liquid crystalline exhibiting a rich phase polymorphism. *J Mater Chem*. 20: 715-722. <http://dx.doi.org/10.1039/b917366h>.
- Ramsey, JC; Andersen, ME. (1984). A physiologically based description of the inhalation pharmacokinetics of styrene in rats and humans. *Toxicol Appl Pharmacol*. 73: 159-175. [http://dx.doi.org/10.1016/0041-008X\(84\)90064-4](http://dx.doi.org/10.1016/0041-008X(84)90064-4).
- Rao, BM; Gajanan, K. (2002). A comparative kinetic and mechanistic study of saponification of industrially important esters viz., mono and distearates, oleostearates of glycol, glycerol and methyl salicylate in alcohol-water, dioxane-water, DMSO-water and DMF-water moieties. *Indian J Chem Tech*. 9: 297-305.
- Rao, BM; Gajanan, K; Mohan, KV. (2001). Kinetic and mechanistic studies of saponification of industrially important distearates, dilaurates of glycol, propylene glycol, glycerol and glyceryl oleostearates. *Indian J Chem Tech*. 8: 348-356.
- Rao, BM; Gajanan, K; Rao, TR. (2003). Kinetic and mechanistic studies of saponification of industrially important esters viz. diesters in alcohol-water and dioxane-water moieties - A novel mathematical approach for evaluation of concentrations of half-ester and end-products. *Indian J Chem Tech*. 10: 684-693.
- Rao, BR; Rathore, HS; Mital, S; Singh, YN. (2001). Thin-layer chromatography of heavy metal-diethyl dithiocarbamate complexes. *Indian J Chem Tech*. 8: 452-457.
- Rao, KP; Reddy, KS. (1987). EXCESS VOLUMES OF TRICHLOROETHYLENE WITH METHYLETHYLKETONE, DIETHYLKETONE, METHYLISOBUTYLKETONE, CYCLOHEXANONE AND 1,4-DIOXANE AT 298.15-K, 308.15-K AND 318.15-K. *Fluid Phase Equilibria*. 34: 265-272.
- Rao, KV; Ravi, MVA; Prasad, AR. (1998). Vapor-liquid equilibria of 2-propanol-1,4-dioxane mixtures. *Fluid Phase Equilibria*. 150: 775-787.
- Rao, PS; Smitha, B; Sridhar, S; Krishnaiah, A. (2006). Effect of blending ratio on pervaporative separation of 1,4-dioxane/water mixtures through PVA-PEI membranes. *Vacuum*. 81: 299-306. <http://dx.doi.org/10.1016/j.vacuum.2006.05.003>.
- Rao, PS; Smitha, B; Sridhar, S; Krishnaiah, A. (2006). Preparation and performance of poly(vinyl alcohol)/polyethyleneimine blend membranes for the dehydration of 1,4-dioxane by pervaporation: Comparison with glutaraldehyde cross-linked membranes. *Separation and Purification Technology*. 48: 244-254. <http://dx.doi.org/10.1016/j.seppur.2005.07.031>.
- Raquez, JM; Degee, P; Dubois, P; Balakrishnan, S; Narayan, R. (2005). Melt-stable poly(1,4-dioxan-2-one) (Co)polymers by ring-opening polymerization via continuous reactive extrusion. *Polymer Engineering and Science*. 45: 622-629. <http://dx.doi.org/10.1002/pen.20312>.
- Rashid, A; White, ET; Howes, T; Litster, JD; Marziano, I. (2014). Effect of Solvent Composition and Temperature on the Solubility of Ibuprofen in Aqueous Ethanol. *Journal of Chemical and Engineering Data*. 59: 2699-2703. <http://dx.doi.org/10.1021/je400819z>.
- Rathi, P; Jouyban, A; Khoubnasabjafari, M; Kale, M. (2015). Solubility of Etoricoxib in Aqueous Solutions of 1,4-Butanediol, 1,4-Dioxane, N,N-Dimethylacetamide, N,N-Dimethylformamide, Dimethyl Sulfoxide, and Ethanol at 298.2 K. *Journal of Chemical and Engineering Data*. 60: 2128-2134. <http://dx.doi.org/10.1021/acs.jced.5b00201>.
- Rathnam, MV; Ambavadekar, DR; Nandini, M. (2013). Densities, Viscosities, and Sound Speed of Binary Mixtures of Hexyl Acetate with Tetrahydrofuran, 1,4-Dioxane, Anisole, and Butyl Vinyl Ether. *Journal of Chemical and Engineering Data*. 58: 3370-3377. <http://dx.doi.org/10.1021/je400539h>.

Fate Literature Search Results

Off Topic

- Rathnam, MV; Mankumare, S; Kumar, MSS. (2010). Density, Viscosity, and Speed of Sound of (Methyl Benzoate plus Cyclohexane), (Methyl Benzoate plus n-Hexane), (Methyl Benzoate plus Heptane), and (Methyl Benzoate plus Octane) at Temperatures of (303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 55: 1354-1358. <http://dx.doi.org/10.1021/je9006597>.
- Rathnam, MV; Mohite, S; Kumar, MS. (2010). Densities, Viscosities, and Refractive Indices of Binary Mixtures of Diethyl Oxalate with Some Ketones at (303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 55: 5946-5952. <http://dx.doi.org/10.1021/je100715x>.
- Rattray, C; Cochran, J. (2015). CONCURRENT DETERMINATION OF 1,4-DIOXANE AND NITROSAMINE CONTAMINANTS IN DRINKING WATER. *Chem Eng News*14-16.
- Raus, V; Sturcova, A; Dybal, J; Slouf, M; Vackova, T; Salek, P; Kobera, L; Vlcek, P. (2012). Activation of cellulose by 1,4-dioxane for dissolution in N,N-dimethylacetamide/LiCl. *Cellulose*. 19: 1893-1906. <http://dx.doi.org/10.1007/s10570-012-9779-0>.
- Ravichandran, G; Lakshiminarayanan, G; Ragouramane, D. (2013). Apparent molar volume and ultrasonic studies on some bile salts in water-aprotic solvent mixtures. *Fluid Phase Equilibria*. 356: 256-263. <http://dx.doi.org/10.1016/j.fluid.2013.07.041>.
- Ray, S; Ray, SK. (2006). Pervaporative dehydration of dimethyl formamide (DMF) by crosslinked copolymer membranes. *Ind Eng Chem Res*. 45: 7210-7218. <http://dx.doi.org/10.1021/ie060431b>.
- Reddy, BS; Rao, KV. (2008). Measurement and correlation of binary vapor-liquid equilibria of isomeric butanols with 1,4-dioxane. *Fluid Phase Equilibria*. 264: 76-85. <http://dx.doi.org/10.1016/j.fluid.2007.11.002>.
- Reddy, PM; Rao, BK; Narender, P; Satyanarayana, B. (2008). Studies on stability constants of binary and ternary complexes of 5-chloro-2-[[2-hydroxyethyl]imino] methyl]-phenol with coll, NiII, CuII and ZnII in presence of other chelating agents. *Res Journal Chem Environ*. 12: 73-76.
- Reddy, TS; Reddy, AR, am. (2013). Synthesis and fluorescence study of 6,7-diaminocoumarin and its imidazolo derivatives. *Dyes and Pigments*. 96: 525-534. <http://dx.doi.org/10.1016/j.dyepig.2012.08.021>.
- Rencoret, J; Prinsen, P; Gutiérrez, A; Martínez, ÁT; Del Río, JC. (2015). Isolation and structural characterization of the milled wood lignin, dioxane lignin, and cellulolytic lignin preparations from brewer's spent grain. *J Agric Food Chem*. 63: 603-613. <http://dx.doi.org/10.1021/jf505808c>.
- Repetto, SL; Patel, R; Johnson, T, im; Costello, JF; Lam, JKW; Chuck, CJ. (2016). Dual Action Additives for Jet A-1: Fuel Dehydrating Icing Inhibitors. *Energy Fuels*. 30: 9080-9088. <http://dx.doi.org/10.1021/acs.energyfuels.6b01727>.
- Reyes, A; Haro, M; Gascon, I; Artigas, H; Lafuente, C. (2003). Vapor-liquid equilibrium and volumetric measurements for binary mixtures of 1,4-dioxane with isomeric chlorobutanes. *Journal of Chemical and Engineering Data*. 48: 887-891. <http://dx.doi.org/10.1021/je020185k>.
- Reza, M; Rojas, LG; Kontturi, E; Vuorinen, T; Ruokolainen, J. (2014). Accessibility of Cell Wall Lignin in Solvent Extraction of Ultrathin Spruce Wood Sections. 2: 804-808. <http://dx.doi.org/10.1021/sc400470m>.
- Rial-Hermida, MI; Oliveira, NM; Concheiro, A; Alvarez-Lorenzo, C; Mano, JF. (2014). Bioinspired superamphiphobic surfaces as a tool for polymer- and solvent-independent preparation of drug-loaded spherical particles. *Acta Biomater*. 10: 4314-4322. <http://dx.doi.org/10.1016/j.actbio.2014.06.009>.
- Ribeiro, T; Prazeres, TJV; Moffitt, M; Farinha, JPS. (2013). Enhanced Photoluminescence from Micellar Assemblies of Cadmium Sulfide Quantum Dots and Gold Nanoparticles. *J Phys Chem C*. 117: 3122-3133. <http://dx.doi.org/10.1021/jp311200r>.
- Riegel, IC; Eisenberg, A; Petzhold, CL; Samios, D. (2002). Novel bowl-shaped morphology of crew-cut aggregates from Amphiphilic block copolymers of styrene and 5-(N,N-diethylamino)isoprene. *Langmuir*. 18: 3358-3363. <http://dx.doi.org/10.1021/la015592t>.
- Ristic, IS; Tanasic, L; Nikolic, LB; Cacic, SM; Ilic, OZ; Radicevic, RZ; Budinski-Simendic, JK. (2011). The Properties of Poly(L-Lactide) Prepared by Different Synthesis Procedure. *Journal of Polymers and the Environment*. 19: 419-430. <http://dx.doi.org/10.1007/s10924-011-0297-1>.
- Rizvi, R; Kim, J, aeK; Naguib, H. (2010). The effect of processing and composition on the properties of polylactide-multiwall carbon nanotube composites prepared by solvent casting. *Smart Materials and Structures*. 19. <http://dx.doi.org/10.1088/0964-1726/19/9/094003>.
- Ro, AJ; Falotico, R; Davé, V. (2011). Microstructure and drug-release studies of sirolimus-containing poly(lactide-co-glycolide) films. *J Biomed Mater Res B Appl Biomater*. 97: 30-39. <http://dx.doi.org/10.1002/jbm.b.31777>.
- Robak, W; Apostoluk, W; Maciejewski, P; Pielka, JA; Kwiotek, JN. (2013). Linear Free Energy Relationship (LFER) Analysis of Dissociation Constants of 8-Hydroxyquinoline and Its Derivatives in Aqueous and Dioxane-Water Solutions. *Journal of Chemical and Engineering Data*. 58: 1470-1482. <http://dx.doi.org/10.1021/je3009045>.
- Robbins, GP; Hallett, JP; Bush, D; Eckert, CA. (2007). Liquid-liquid equilibria and partitioning in organic-aqueous systems. *Fluid Phase Equilibria*. 253: 48-53. <http://dx.doi.org/10.1016/j.fluid.2007.01.003>.
- Robinson, JM; Wadle, AM; Reno, MD; Kidd, R; Hinsz, SRB; Urquieta, J. (2015). Solvent- and Microwave-Assisted Dehydrations of Polyols to Anhydro and Dianhydro Polyols. *Energy Fuels*. 29: 6529-6535. <http://dx.doi.org/10.1021/acs.energyfuels.5b02167>.
- Rodriguez, GA; Delgado, DR; Martinez, F; Jouyban, A; Acree, WE, Jr. (2012). Solubility of naproxen in ethyl acetate plus ethanol mixtures at several temperatures and correlation with the Jouyban-Acree model. *Fluid Phase Equilibria*. 320: 49-55. <http://dx.doi.org/10.1016/j.fluid.2012.02.009>.
- Rodriguez, S; Lafuente, C; Cea, P; Royo, FM; Urieta, JS. (1997). Densities and viscosities of binary mixtures of some cyclic ethers plus chlorocyclohexane at 298.15 and 313.15 K. *Journal of Chemical and Engineering Data*. 42: 1285-1289.
- Rodriguezvazquez, R; Areyza, M; Parada, A; Riosleal, E; Anguisterrazas, C. (1993). ISOLATION AND CHARACTERIZATION OF LIGNIN FROM RICE HULL. *J Sci Food Agric*. 62: 101-104.
- Romero, C; Villares, A; Haro, M; Giner, B; Lafuente, C. (2005). Experimental and predicted vapour-liquid equilibrium of 1,4-dioxane with cycloalkanes and benzene. *Fluid Phase Equilibria*. 238: 1-6. <http://dx.doi.org/10.1016/j.fluid.2005.09.010>.

Fate Literature Search Results

Off Topic

- Romero, J; Ventura, F; Caixach, J; Romero, J; Gode, LX; Ninerola, JM. (1998). Identification of 1,3-dioxanes and 1,3-dioxolanes as malodorous compounds at trace levels in river water, groundwater, and tap water. *Environ Sci Technol.* 32: 206-216.
- Rondao, R; Sergio Seixas de Melo, J. (2013). Thio-Mayan-like Compounds: Excited State Characterization of Indigo Sulfur Derivatives in Solution and Incorporated in Palygorskite and Sepiolite Clays. *J Phys Chem C.* 117: 603-614. <http://dx.doi.org/10.1021/jp306209y>.
- Routray, C; Tosh, B. (2013). GRAFT COPOLYMERIZATION OF METHYL METHACRYLATE (MMA) ONTO CELLULOSE ACETATE IN HOMOGENEOUS MEDIUM: EFFECT OF SOLVENT, INITIATOR AND HOMOPOLYMER INHIBITOR. *Cellulose Chemistry and Technology.* 47: 171-190.
- Roy, JW; Bickerton, G. (2010). Proactive screening approach for detecting groundwater contaminants along urban streams at the reach-scale. *Environ Sci Technol.* 44: 6088-6094. <http://dx.doi.org/10.1021/es101492x>.
- Roy, MN; Ghosh, G; Chakraborti, P. (2010). Study of Solution Properties of Some Alkali Bromides in Aqueous Binary Mixtures of 1,3-Dioxolane in View of Different Models. *Journal of Chemical and Engineering Data.* 55: 1649-1654. <http://dx.doi.org/10.1021/je900709n>.
- Roy, MN; Pradhan, P; Das, RK; Sinha, B; Guha, PK. (2008). Ion-pair and triple-ion formation by some tetraalkylammonium iodides in binary mixtures of 1,4-dioxane plus tetrahydrofuran. *Journal of Chemical and Engineering Data.* 53: 1417-1420. <http://dx.doi.org/10.1021/je7004787>.
- Roy, MN; Roy, PK; Sah, RS; Pradhan, P; Sinha, B. (2009). Ion Pair and Triple Ion Formation by Some Tetraalkylammonium Iodides in Binary Mixtures of Carbon Tetrachloride plus Nitrobenzene. *Journal of Chemical and Engineering Data.* 54: 2429-2435. <http://dx.doi.org/10.1021/je800885h>.
- Roy, MN; Sinha, B; Dakua, VK. (2006). Excess molar volumes and viscosity deviations of binary liquid mixtures of 1,3-dioxolane and 1,4-dioxane with butyl acetate, butyric acid, butylamine, and 2-butanone at 298.15 K. *Journal of Chemical and Engineering Data.* 51: 590-594.
- Ruggiero, F; Netti, PA; Torino, E. (2015). Experimental Investigation and Thermodynamic Assessment of Phase Equilibria in the PLLA/Dioxane/Water Ternary System for Applications in the Biomedical Field. *Langmuir.* 31: 13003-13010. <http://dx.doi.org/10.1021/acs.langmuir.5b02460>.
- Ruhland, TM; Gröschel, AH; Walther, A; Müller, AH. (2011). Janus cylinders at liquid-liquid interfaces. *Langmuir.* 27: 9807-9814. <http://dx.doi.org/10.1021/la201863x>.
- Ruhmer, T; Giesemann, J; Schwieger, W; Schmutzler, K. (1999). Stereospecific polymerization of butadiene on supported allyl complexes of neodymium. *Kautschuk Gummi Kunststoffe.* 52: 420-+.
- Ruidiaz, MA; Delgado, DR; Martinez, F; Marcus, Y. (2010). Solubility and preferential solvation of indomethacin in 1,4-dioxane + water solvent mixtures. *Fluid Phase Equilibria.* 299: 259-265. <http://dx.doi.org/10.1016/j.fluid.2010.09.027>.
- Ruostesuo, P; Mattila, T. (1987). THERMODYNAMIC PROPERTIES OF BINARY-MIXTURES CONTAINING SULFUR AMIDE .2. EXCESS MOLAR VOLUMES OF 1,4-DIOXANE + N,N-DIMETHYLMETHANESULFINAMIDE AND 1,4-DIOXANE + N-METHYLMETHANESULFINAMIDE. *Journal of Chemical and Engineering Data.* 32: 241-243.
- Rutkowska, E, waW; Wollboldt, P; Zuckerstatter, G; Weber, HK; Sixta, H. (2009). CHARACTERIZATION OF STRUCTURAL CHANGES IN LIGNIN DURING CONTINUOUS BATCH KRAFT COOKING OF EUCALYPTUS GLOBULUS. *BioResources.* 4: 172-193.
- Rutnakornpituk, B; Wichai, U; Vilaivan, T; Rutnakornpituk, M. (2011). Surface-initiated atom transfer radical polymerization of poly(4-vinylpyridine) from magnetite nanoparticle. *J Nanopart Res.* 13: 6847-6857. <http://dx.doi.org/10.1007/s11051-011-0592-8>.
- Sachan, S. R.; Soman, SD. (1979). DECONTAMINATION AND RECOVERY OF 1,4 DIOXANE-BASED LIQUID SCINTILLATOR. *Health Phys.* 36: 62-68.
- Sack, TM; Steele, DH; Hammerstrom, K; Remmers, J. (1992). A survey of household products for volatile organic compounds. *Atmos Environ.* 26: 1063-1070. [http://dx.doi.org/10.1016/0960-1686\(92\)90038-M](http://dx.doi.org/10.1016/0960-1686(92)90038-M).
- Sadeghi, GMM; Morshedian, J; Barikani, M. (2006). The effect of solvent on the microstructure, nature of hydroxyl end groups and kinetics of polymerization reaction in synthesise of hydroxyl terminated polybutadiene. *React Funct Polym.* 66: 255-266. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.08.001>.
- Saeed, R; Masood, S; Siddiqui, NH. (2014). The Viscosity of Crude Oils in 1,4-Dioxan. *Petroleum Science and Technology.* 32: 688-695. <http://dx.doi.org/10.1080/10916466.2011.601509>.
- Safaei-Ghomi, J. (2010). ONE-POT PROTOCOL FOR THE PREPARATION OF ARYLSULFONYLSEMICARBAZIDES FROM SULFONYLHYDRAZIDES. *Digest Journal of Nanomaterials and Biostructures.* 5: 331-333.
- Safarzadeh-Amiri, A; Bolton, JR; Cater, SR. (1997). Ferrioxalate-mediated photodegradation of organic pollutants in contaminated water. *Water Res.* 31: 787-798.
- Sairam, M; Naidu, BVK; Nataraj, SK; Sreedhar, B; Aminabhavi, TM. (2006). Poly(vinyl alcohol)-iron oxide nanocomposite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. *J Memb Sci.* 283: 65-73. <http://dx.doi.org/10.1016/j.memsci.2006.06.013>.
- Sako, T; Yasumoto, M; Nakazawa, N; Kamizawa, C. (2001). Critical parameters and normal boiling temperatures of five fluorinated ethers and two fluorinated ketones. *Journal of Chemical and Engineering Data.* 46: 1078-1081. <http://dx.doi.org/10.1021/je000249w>.
- Sakurai, M. (1992). PARTIAL MOLAR VOLUMES FOR 1,4-DIOXANE PLUS WATER. *Journal of Chemical and Engineering Data.* 37: 492-496.
- Salabat, A; Soleimani, S. (2014). Ultrasonic irradiation and solvent effects on destabilization of colloidal suspensions of platinum nanoparticles. *Particuology.* 17: 145-148. <http://dx.doi.org/10.1016/j.partic.2014.02.002>.
- Salehi, M; Naseri-Nosar, M; Azami, M; Nodooshan, SJ; Arish, J. (2016). Comparative study of poly(L-lactic acid) scaffolds coated with chitosan nanoparticles prepared via ultrasonication and ionic gelation techniques. *13: 498-506.* <http://dx.doi.org/10.1007/s13770-016-9083-4>.
- Salem, AEA; Omar, MM. (2003). Atomic absorption and spectrophotometric determinations of salicylhydroxamic acid in its pure and pharmaceutical dosage forms. *Turkish Journal of Chemistry.* 27: 383-393.

Fate Literature Search Results

Off Topic

- Salinas, O; Ma, X; Litwiller, E; Pinnau, I. (2016). Ethylene/ethane permeation, diffusion and gas sorption properties of carbon molecular sieve membranes derived from the prototype ladder polymer of intrinsic microporosity (PIM-1). *J Memb Sci.* 504: 133-140. <http://dx.doi.org/10.1016/j.memsci.2015.12.052>.
- Sampaio, DA; Abreu, H, dosS; Silveira Augusto, LD; da Silva, B; Ibanez, CM. (2016). Approach on the integument lignin profile of seeds of *Araucaria angustifolia*. *Bosque.* 37: 549-555. <http://dx.doi.org/10.4067/S0717-92002016000300012>.
- Samuleviciene, M; Leinartas, K; Juzeliunas, E. (2000). Iron corrosion inhibition in acidic, highly saline geothermal water. *Corrosion Reviews.* 18: 13-22.
- Sangita, S; Ashish, P; Jasmin, B; Jayesh, R; Vora, JJ. (2010). Computer Augmented Modeling Studies on Complexes of Lanthanone ions with Creatinine in Dioxane-Water Mixtures. *Res Journal Chem Environ.* 14: 45-49.
- Sano, Y; Shimamoto, S. (1995). Mild hydrogenolysis of acetic acid lignin. 41: 1146-1150.
- Sansanwal, PK. (2006). Effect of co-solutes on the physico-chemical properties of surfactant solutions. *Journal of Sci Ind Res.* 65: 57-64.
- Santacesaria, E; Cozzolino, M; Di Serio, M; Venezia, AM; Tesser, R. (2004). Vanadium based catalysts prepared by grafting: preparation, properties and performances in the ODH of butane. *Appl Catal A-Gen.* 270: 177-192. <http://dx.doi.org/10.1016/j.apcata.2004.05.003>.
- Santos, MSC, S; Reis, JCR. (2016). A semi-empirical equation for describing the surface tension of aqueous organic liquid mixtures. *Fluid Phase Equilibria.* 423: 172-180. <http://dx.doi.org/10.1016/j.fluid.2016.04.025>.
- Saputra, H; Simonsen, J; Li, K. (2004). Effect of extractives on the flexural properties of wood/plastic composites. *Composite Interfaces.* 11: 515-524.
- Saraswathi, M; Rao, KM; Prabhakar, MN; Prasad, CV; Sudakar, K; Kumar, HMP, N; Prasad, M; Rao, KC; Subha, MCS. (2011). Pervaporation studies of sodium alginate (SA)/dextrin blend membranes for separation of water and isopropanol mixture. *Desalination.* 269: 177-183. <http://dx.doi.org/10.1016/j.desal.2010.10.059>.
- Sarker, MI; Fan, X; Liu, L. (2015). Boron derivatives: As a source of 1-MCP with gradual release. *Sci Hortic (Amsterdam).* 188: 36-43. <http://dx.doi.org/10.1016/j.scienta.2015.03.017>.
- Sasaki, T; Morino, D; Tabata, N. (2011). Origin of Enhanced Cold Crystallization Rate for Freeze-Dried Poly(L-lactide) from Solutions. *Polymer Engineering and Science.* 51: 1858-1865. <http://dx.doi.org/10.1002/pen.21977>.
- Sastry, MCS; Rao, MSN. (1990). BINDING OF CHLOROGENIC ACID BY THE ISOLATED POLYPHENOL-FREE 11S PROTEIN OF SUNFLOWER (HELIANTHUS-ANNUUS) SEED. *J Agric Food Chem.* 38: 2103-2110.
- Sato, K. (1989). Glutathione transferases as markers of preneoplasia and neoplasia. *Adv Cancer Res.* 52: 205-255.
- Sauer, S; Saliba, S; Tussetschlaeger, S; Baro, A; Frey, W; Giesselmann, F; Laschat, S; Kantlehner, W. (2009). p-Alkoxybiphenyls with guanidinium head groups displaying smectic mesophases. *Liquid Crystals.* 36: 275-299. <http://dx.doi.org/10.1080/02678290902850027>.
- Sauer, S; Steinke, N; Baro, A; Laschat, S; Giesselmann, F; Kantlehner, W. (2008). Guanidinium chlorides with triphenylene moieties displaying columnar mesophases. *Chem Mater.* 20: 1909-1915. <http://dx.doi.org/10.1021/cm702967c>.
- Saulnier, B; Ponsart, S; Coudane, J; Garreau, H; Vert, M. (2004). Lactic acid-based functionalized polymers via copolymerization and chemical modification [Review]. *Macromol Biosci.* 4: 232-237. <http://dx.doi.org/10.1002/mabi.200300087>.
- Saxena, S; Shrivastava, R; Satsangee, SP. (2012). VOLTAMMETRIC BEHAVIOR AND DETERMINATION OF THE BRONCHODILATOR DOXOFYLLINE AT A BORON DOPED DIAMOND ELECTRODE. *Macedonian Journal of Chemistry and Chemical Engineering.* 31: 195-203.
- Schehlmann, MS; Wiedemann, E; Lichtenthaler, RN. (1995). PERVAPORATION AND VAPOR PERMEATION AT THE AZEOTROPIC POINT OR IN THE VICINITY OF THE LLE BOUNDARY PHASES OF ORGANIC/AQUEOUS MIXTURES. *J Memb Sci.* 107: 277-282.
- Scheithauer, A; Gruetzner, T; Rijksen, C; Zollinger, D; von Harbou, E; Thiel, WR; Hasse, H. (2014). NMR Spectroscopic Study of the Aldoxane Formation in Aqueous Acetaldehyde Solutions. *Ind Eng Chem Res.* 53: 8395-8403. <http://dx.doi.org/10.1021/ie5004043>.
- Scheu, S. (1992). DECOMPOSITION OF LIGNIN IN SOIL MICROCOMPARTMENTS - A METHODOLOGICAL STUDY WITH 3 DIFFERENT C-14-LABELED LIGNIN SUBSTRATES. *Biol Fertl Soils.* 13: 160-164.
- Schneider, R; Baumes, R; Bayonove, C; Razungles, A. (1998). Volatile compounds involved in the aroma of sweet fortified wines (Vins Doux Naturels) from Grenache noir. *J Agric Food Chem.* 46: 3230-3237.
- Schuchardt, U; Bianchi, ML; Goncalves, AR; Curvelo, AAS; Biscolla, FC; Peres, LO. (1995). Piassava fibers. (*Attalea funifera*) .1. Chemical analysis, extraction and reactivity of its lignin. *Cellulose Chemistry and Technology.* 29: 705-712.
- Schugens, C; Maquet, V; Grandfils, C; Jerome, R; Teyssie, P. (1996). Polylactide macroporous biodegradable implants for cell transplantation .2. Preparation of polylactide foams by liquid-liquid phase separation. *J Biomed Mater Res.* 30: 449-461.
- Schwank, M; Green, TR; Maetzler, C; Benedickter, H; Fluehler, H. (2006). Laboratory characterization of a commercial capacitance sensor for estimating permittivity and inferring soil water content. *Vadose Zone Journal.* 5: 1048-1064. <http://dx.doi.org/10.2136/vzj2006.0009>.
- Schweitzer, L; Noblet, J; Ye, Q; Ruth, E; Suffet, IH. (1999). The environmental fate and mechanism of formation of 2-ethyl-5,5'-dimethyl-1,3-dioxane (2EDD) - A malodorous contaminant in drinking water. *Water Sci Technol.* 40: 217-224.
- Scott, CD; Scott, TC; Woodward, CA. (1993). THE CHEMICAL MODIFICATION OF ENZYMES TO ENHANCE SOLUBILIZATION IN ORGANIC-SOLVENTS FOR INTERACTION WITH COAL. *Fuel.* 72: 1695-1700.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (1998). Structural characterization of the bark and core lignins from kenaf (*Hibiscus cannabinus*). *J Agric Food Chem.* 46: 3100-3108.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (2000). Structural characterization of the lignin from the nodes and internodes of *Arundo donax* reed. *J Agric Food Chem.* 48: 817-824.
- See-Toh, YH; Silva, M; Livingston, A. (2008). Controlling molecular weight cut-off curves for highly solvent stable organic solvent nanofiltration (OSN) membranes. *J Memb Sci.* 324: 220-232. <http://dx.doi.org/10.1016/j.memsci.2008.07.023>.

Fate Literature Search Results

Off Topic

- Sefcik, J; Rankin, SE; Kirchner, SJ; McCormick, AV. (1999). Esterification, condensation, and deprotonation equilibria of trimethylsilanol. *Journal of Non-Crystalline Solids*. 258: 187-197.
- Sekar, R; Dichristina, TJ. (2014). Microbially driven Fenton reaction for degradation of the widespread environmental contaminant 1,4-dioxane. *Environ Sci Technol*. 48: 12858-12867. <http://dx.doi.org/10.1021/es503454a>.
- Sekulić, J; ten Elshof, JE; Blank, DH. (2005). Selective pervaporation of water through a nonselective microporous titania membrane by a dynamically induced molecular sieving mechanism [Letter]. *Langmuir*. 21: 508-510. <http://dx.doi.org/10.1021/la047458p>.
- Sekulic, TD; Sarbu, C; Janjic, NP; Crvenkovic, ZL. (2009). Quantitative Structure-Retention Study of Some 2,4-dioxotetrahydro-1,3-thiazole Derivatives Using the Partial Least Squares Method. *Turkish Journal of Chemistry*. 33: 149-157.
- Seleem, HS. (2003). Stability constants and thermodynamic parameters of Mn²⁺, Co²⁺, Ni²⁺, Cu²⁺, Zn²⁺+Cd²⁺, UO₂²⁺, Th⁴⁺+Ce³⁺ and Pr³⁺-complexes with some Schiff base hydrazones containing the pyrimidine moiety. *Ann Chim*. 93: 305-314.
- Selim, S; Cook, RF. (1978). RESIDUE DETERMINATION OF A DIOXANE HERBICIDE IN SOIL AND SOYBEANS BY HIGH-PRESSURE LIQUID-CHROMATOGRAPHY. *J Agric Food Chem*. 26: 106-110.
- Semenov, AP; Medvedev, VI; Gushchin, PA; Kotelev, MS; Yakushev, VS; Stoporev, AS; Sizikov, AA; Ogienko, AG; Vinokurov, VA. (2017). Phase equilibrium for clathrate hydrate formed in methane plus water plus ethylene carbonate system. *Fluid Phase Equilibria*. 432: 1-9. <http://dx.doi.org/10.1016/j.fluid.2016.10.015>.
- Sengwa, RJ; Sankhla, S. (2007). Low-frequency dielectric response and chain dynamics study of poly(vinyl pyrrolidone)-poly(ethylene glycol) coexisting two-phase polymeric blends. *Indian Journal of Engineering and Materials Sciences*. 14: 317-323.
- Sengwa, RJ; Sankhla, S; Khatri, V. (2010). Static dielectric constants of the binary mixtures of N-methylformamide with water, ethyl alcohol, ethylene glycol, dimethylsulphoxide, acetone and 1,4-dioxane. *Philosophical Magazine Letters*. 90: 463-470. <http://dx.doi.org/10.1080/09500831003757782>.
- Seo, Y; Kang, SP, il; Lee, S; Lee, H. (2008). Experimental Measurements of Hydrate Phase Equilibria for Carbon Dioxide in the Presence of THF, Propylene Oxide, and 1,4-Dioxane. *Journal of Chemical and Engineering Data*. 53: 2833-2837. <http://dx.doi.org/10.1021/je800566y>.
- Seo, YT; Kang, SP; Lee, H. (2001). Experimental determination and thermodynamic modeling of methane and nitrogen hydrates in the presence of THF, propylene oxide, 1,4-dioxane and acetone. *Fluid Phase Equilibria*. 189: 99-110.
- Serbanovic, SP; Grguric, IR; Kijevcanin, MLJ; Tasic, AZ; Djordjevic, BD. (2004). Thermodynamic modeling of vapor-liquid equilibria and excess properties of the binary systems containing diethers and n-alkanes by cubic equation of state. *Korean J Chem Eng*. 21: 858-866.
- Sethi, BPS; Katyal, RC; Sharma, SK. (1991). ENTHALPIES OF MIXING OF BINARY-SYSTEMS 1,4-DIOXANE WITH O-XYLENES, M-XYLENES AND P-XYLENES AND (1-METHYLETHYL)BENZENE AT 298.15 K. 29: 533-536.
- Shaharun, MS; Dutta, BK; Mukhtar, H; Maitra, S. (2010). Hydroformylation of 1-octene using rhodium-phosphite catalyst in a thermomorphic solvent system. *Chem Eng Sci*. 65: 273-281. <http://dx.doi.org/10.1016/j.ces.2009.06.071>.
- Shaharun, MS; Mukhtar, H; Dutta, BK. (2008). Solubility of carbon monoxide and hydrogen in propylene carbonate and thermomorphic multicomponent hydroformylation solvent. *Chem Eng Sci*. 63: 3024-3035. <http://dx.doi.org/10.1016/j.ces.2008.02.035>.
- Shao, XZ; Wang, LS; Li, MY. (2012). Measurement and Correlation of the Solubilities of 2-[[6-Oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)methyl]butanedioic Acid in Selected Solvents. *Ind Eng Chem Res*. 51: 5082-5089. <http://dx.doi.org/10.1021/ie202640z>.
- Sharma, S; Bhalodia, J; Ramani, J; Patel, R. (2013). A STUDY OF THERMODYNAMIC AND INTERACTION PARAMETERS OF OLEIC ACID WITH SOME APROTIC SOLVENTS AT TEMPERATURES OF 303.15, 308.15, AND 313.15K. *Chemical Engineering Communications*. 200: 1009-1026. <http://dx.doi.org/10.1080/00986445.2012.737382>.
- Sharma, VK; Dua, R. (2014). Densities, Speeds of Sound, Excess Molar Enthalpies, and Heat Capacities of o-Chlorotoluene and Cyclic Ether Mixtures. *Journal of Chemical and Engineering Data*. 59: 684-695. <http://dx.doi.org/10.1021/je400722h>.
- She, D; Xu, F; Geng, Z; Sun, R; Jones, GL; Baird, MS. (2010). Physicochemical characterization of extracted lignin from sweet sorghum stem. *Ind Crop Prod*. 32: 21-28. <http://dx.doi.org/10.1016/j.indcrop.2010.02.008>.
- Shen, H; Niu, Y; Hu, X; Yang, F, ei; Wang, S; Wu, D. (2015). A biomimetic 3D microtubule-orientated poly(lactide-co-glycolide) scaffold with interconnected pores for tissue engineering. 3: 4417-4425. <http://dx.doi.org/10.1039/c5tb00167f>.
- Shen, W; Wang, Y; Zhan, J; Wang, B, in; Huang, J, un; Deng, S; Yu, G. (2017). Kinetics and operational parameters for 1,4-dioxane degradation by the photoelectro-peroxone process. *Chem Eng J*. 310: 249-258. <http://dx.doi.org/10.1016/j.cej.2016.10.111>.
- Shen, Y; Xu, Q; Liang, J; Xu, W. (2016). Degradation of Reactive Yellow X-RG by O₃/Fenton system: response surface approach, reaction mechanism, and degradation pathway. *Water Sci Technol*. 74: 2483-2496. <http://dx.doi.org/10.2166/wst.2016.430>.
- Sheng, Y; Yan, N; Zhu, Y; Jiang, W. (2014). Online rheological investigation on ion-induced micelle transition for amphiphilic polystyrene-block-poly(acrylic acid) diblock copolymer in dilute solution. *Langmuir*. 30: 15392-15399. <http://dx.doi.org/10.1021/la503835u>.
- Sheu, CW; Moreland, FM; Lee, JK; Dunkel, VC. (1988). In vitro BALB/3T3 cell transformation assay of nonoxynol-9 and 1,4-dioxane. *Environ Mol Mutagen*. 11: 41-48. <http://dx.doi.org/10.1002/em.2850110106>.
- Shi, H; Yang, F; Niu, Y; Wu, Y; Wang, H; Liu, Z; Liang, B, o. (2015). Fluorescent Pyrene Assisted Photodeprotection of 2-(2-nitrophenyl)Propyloxycarbonyl Groups on Self-Assembled Monolayers. *J Nanosci Nanotechnol*. 15: 2650-2656. <http://dx.doi.org/10.1166/jnn.2015.9227>.
- Shi, JL; Jiang, MXW; Zeng, JH; Jiang, XK. (1997). Aggregating tendencies of some alkylsulfonates. *Langmuir*. 13: 2480-2482.
- Shigematsu, M; Goto, A; Yoshida, S; Tanahashi, M; Shinoda, Y. (1994). HYDROPHOBIC REGIONS OF HEMICELLULOSES ESTIMATED BY FLUORESCENT-PROBE METHOD. 40: 1214-1218.
- Shigematsu, M; Morita, M; Sakata, I. (1991). EFFECT OF THE ADDITION OF LIGNIN-CARBOHYDRATE COMPLEX ON MISCIBILITY BETWEEN HEMICELLULOSE AND LIGNIN. 37: 50-56.

Fate Literature Search Results

Off Topic

- Shimizu, K; Sudo, K; Ono, H; Ishihara, M; Fujii, T; Hishiyama, S. (1998). Integrated process for total utilization of wood components by steam-explosion pretreatment. *Biomass and Bioenergy*. 14: 195-203.
- Shin, D; Sung, DY; Moon, HS; Nam, K. (2010). Microbial succession in response to 1,4-dioxane exposure in activated sludge reactors: effect of inoculum source and extra carbon addition. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 45: 674-681. <http://dx.doi.org/10.1080/10934521003648859>.
- Shin, HJ; Lee, Y, unJe; Im, J, unH; Han, K, yuWon; Lee, J, onWon; Lee, Y; Lee, J, uD; Jang, W, onYil; Yoon, J, iHo. (2009). Thermodynamic stability, spectroscopic identification and cage occupation of binary CO₂ clathrate hydrates. *Chem Eng Sci*. 64: 5125-5130. <http://dx.doi.org/10.1016/j.ces.2009.08.019>.
- Shin, J; Lim, YM; Jeun, JP, yo; Nho, YC. (2007). Swelling Behavior study of gamma-irradiated gelatin hydrogels prepared in Organic/Aqueous mixtures. *J Ind Eng Chem*. 13: 997-1001.
- Shinde, SD; Yadav, GD. (2014). Process intensification of immobilized lipase catalysis by microwave irradiation in the synthesis of 4-chloro-2-methylphenoxyacetic acid (MCPA) esters. *Biochem Eng J*. 90: 96-102. <http://dx.doi.org/10.1016/j.bej.2014.05.015>.
- Shinkarev, AA; Lyutakhina, NB; Gnevashov, SG. (2000). Separation of the groups of humic substances upon recurrent treatment with solvents. *Eurasian Soil Science*. 33: 709-712.
- Shrivastava, A; Ghosh, KK. (2008). Micellization of Cetyl Triphenyl Phosphonium Bromide Surfactant in Binary Aqueous Solvents. *Journal of Surfactants and Detergents*. 11: 287-292. <http://dx.doi.org/10.1007/s11743-008-1083-5>.
- Shukla, RS. (1998). Homogeneous catalysis of selective functionalization of alkane and alkenes by dioxygen. *Stud Surf Sci Catal*. 113: 897-905.
- Shukla, RS. (1999). Thermodynamics of monooxygenase system: Ru-III-EDTA-ascorbate-O-2 catalyzed oxygen atom transfer to olefins. *Indian J Chem Tech*. 6: 31-37.
- Siebert, KJ; Troukhanova, NV; Lynn, PY. (1996). Nature of polyphenol-protein interactions. *J Agric Food Chem*. 44: 80-85.
- Silva, CAC; Figueiredo, FCA; Rodrigues, R; Sairre, MI; Goncalves, M; Matos, I; Fonseca, IM; Mandelli, D; Carvalho, WA. (2016). Enhancing the biodiesel manufacturing process by use of glycerin to produce hyacinth fragrance. *Clean Tech Environ Pol*. 18: 1551-1563. <http://dx.doi.org/10.1007/s10098-016-1136-9>.
- Simon, LM; Kotorman, M; Szabo, A; Nemcsok, J; Laczko, I. (2007). The effects of organic solvent/water mixtures on the structure and catalytic activity of porcine pepsin. *Process Biochemistry*. 42: 909-912. <http://dx.doi.org/10.1016/j.procbio.2007.01.014>.
- Simonich, SM; Sun, P; Casteel, K; Dyer, S; Wernery, D; Garber, K; Carr, G; Federle, T. (2013). Probabilistic analysis of risks to US drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integr Environ Assess Manag*. 9: 554-559. <http://dx.doi.org/10.1002/ieam.1448>.
- Simonin, JP; Bernard, O; Krebs, S; Kunz, W. (2006). Modelling of the thermodynamic properties of ionic solutions using a stepwise solvation-equilibrium model. *Fluid Phase Equilibria*. 242: 176-188. <http://dx.doi.org/10.1016/j.fluid.2006.01.019>.
- Simsek, EH; Karaduman, A; Caliskan, S; Togrul, T. (2002). The effect of preswelling and/or pretreatment of some Turkish coals on the supercritical fluid extract yield. *Fuel*. 81: 503-506.
- Singh, PP; Maken, S. (1992). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE. *Fluid Phase Equilibria*. 72: 299-308.
- Singh, PP; Maken, S. (1993). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE - REPLY. *Fluid Phase Equilibria*. 87: 385-388.
- Singha, NR; Kar, S; Ray, SK. (2009). Synthesis of Chemically Modified Polyvinyl Alcohol Membranes for Dehydration of Dioxane by Pervaporation. *Separation Science and Technology*. 44: 422-446. <http://dx.doi.org/10.1080/01496390802437347>.
- Singha, NR; Parya, TK; Ray, SK. (2009). Dehydration of 1,4-dioxane by pervaporation using filled and crosslinked polyvinyl alcohol membrane. *J Memb Sci*. 340: 35-44. <http://dx.doi.org/10.1016/j.memsci.2009.05.003>.
- Sinha, W; Deibel, N; Garai, A; Schweinfurth, D; Anwar, S; Purohit, CS; Sarkar, B; Kar, S. (2014). In-situ spectroelectrochemistry (EPR, UV-visible) and aggregation behavior of H-2 BDCP and Zn(II)BDCP [BDCP = {5,10,15,20-tetrakis[3,4-(1,4-dioxan)phenyl]porphyrin}(2-)]. *Dyes and Pigments*. 107: 29-37. <http://dx.doi.org/10.1016/j.dyepig.2014.03.019>.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .2. THE EFFECT OF PH ON THE REACTION BETWEEN A BETA-O-4-TYPE QUINONE METHIDE AND VANILLYL ALCOHOL IN WATER-DIOXANE SOLUTIONS - THE STABILITY OF NONCYCLIC BENZYL ARYL ETHERS DURING LIGNIN BIOSYNTHESIS. *Holzforschung*. 45: 275-278.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .3. THE REACTIVITY OF A BETA-O-4-TYPE QUINONE METHIDE WITH METHYL-ALPHA-D-GLUCOPYRANOSIDE IN COMPETITION WITH VANILLYL ALCOHOL - THE FORMATION AND THE STABILITY OF BENZYL ETHERS BETWEEN LIGNIN AND CARBOHYDRATES. *Holzforschung*. 45: 3-7.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .4. THE REACTIONS OF A BETA-O-4-TYPE QUINONE METHIDE WITH CARBOXYLIC-ACIDS IN THE PRESENCE OF PHENOLS - THE FORMATION AND STABILITY OF BENZYL-ESTERS BETWEEN LIGNIN AND CARBOHYDRATES. *Holzforschung*. 45: 9-14.
- Sjoholm, E; Norman, E; Colmsjo, A. (2000). Charge density of lignin samples from kraft cooking of birch wood. *Journal of Wood Chemistry and Technology*. 20: 337-356.
- Skranc, W; Cibulka, I; Hnedkovsky, L. (1995). EXCESS VOLUMES OF 1,4-DIOXANE PLUS ETHANE-1,2-DIOL AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 974-975.
- Slomkowski, S; Gadzinowski, M; Sosnowski, S; Radomska-Galant, I; Pucci, A; De Vita, C; Ciardelli, F. (2006). Nanoparticles from polylactide and polyether block copolymers: Formation, properties, encapsulation, and release of pyrene - Fluorescent model of hydrophobic drug. *J Nanosci Nanotechnol*. 6: 3242-3251. <http://dx.doi.org/10.1166/jnn.2006.470>.

Fate Literature Search Results

Off Topic

- Smirnov, VI; Badelin, VG. (2014). Enthalpies of beta-Alanine Dissolution in Some Water plus Organic Mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 59: 1774-1780. <http://dx.doi.org/10.1021/je400966q>.
- Solar, R; Kacik, F. (1993). COMPARATIVE-STUDY OF CARIBBEAN PINE (PINUS-CARIBAEA L) WOOD AND BARK DIOXANE LIGNIN. *Holz als Roh- und Werkstoff*. 51: 347-352.
- Solar, R; Kacik, F. (1995). ALTERATIONS OF MAPLE WOOD LIGNIN UNDER CONDITIONS OF TREATMENT IN DIOXANE-WATER-HCL AGENT. 40: 3-16.
- Solar, R; Kacik, F. (1995). A COMPARATIVE-STUDY OF HARD AND SOFTWOOD LIGNINS ALTERATIONS DURING TREATMENT IN DIOXANE-WATER-HCL AGENT. *Holz als Roh- und Werkstoff*. 53: 123-128.
- Solar, R; Kacik, F. (1995). A STUDY OF SPRUCE WOOD LIGNIN ALTERATIONS DURING TREATMENT IN DIOXANE-WATER-HCL SOLVENT. *Cellulose Chemistry and Technology*. 29: 123-133.
- Solar, R; Kacik, F; Melcer, I. (1992). THE COMPARISON OF CHEMICAL AND STRUCTURAL DIFFERENCES OF CARIBBEAN PINE (PINUS-CARIBAEA L) WOOD AND BARK LIGNIN. *Holz als Roh- und Werkstoff*. 50: 291-294.
- Son, HS; Kim, SK; Irn, JK; Khim, J; Zoh, KD. (2011). Effect of Bulk Temperature and Frequency on the Sonolytic Degradation of 1,4-Dioxane with Fe-0. *Ind Eng Chem Res*. 50: 5394-5400. <http://dx.doi.org/10.1021/ie101849p>.
- Son, YA; Lee, J; Kim, H; Yu, H; Kim, SH; Jun, K; Lee, DH. (2013). Design, synthesis and characteristics on novel D-pi-A dye chromophore: fluorochromism effects. *J Nanosci Nanotechnol*. 13: 1484-1487. <http://dx.doi.org/10.1166/jnn.2013.6108>.
- Sonar, AN; Khirnar, MD; Pawar, NS. (2009). Stability constants of Yb (III), Pr (III) and Ce (III) Chelates with some substituted Drugs. *Res Journal Chem Environ*. 13: 78-80.
- Song, F; Shi, WT; Dong, XT; Han, X; Wang, XL; Chen, SC; Wang, YZ. (2014). Fennel-like nanoaggregates based on polysaccharide derivatives and their application in drug delivery. *Colloids Surf B Biointerfaces*. 113: 501-504. <http://dx.doi.org/10.1016/j.colsurfb.2013.09.027>.
- Song, X; Wang, J; Zhu, J, in. (2009). Effect of Porogenic Solvent on Selective Performance of Molecularly Imprinted Polymer for Quercetin. *Mater Res*. 12: 299-304.
- Song, Y; Seo, G; Ihm, SK. (1992). HYDRODEALKYLATION REACTION OF ETHYLBENZENE OVER A SUPPORTED NICKEL-TUNGSTEN CATALYST. *Appl Catal A-Gen*. 83: 75-86.
- Songsiri, N; Rempel, GL; Prasassarakich, P. (2016). Liquid-Phase Synthesis of Isoprene from Methyl tert-Butyl Ether and Formalin Using Keggin-Type Heteropolyacids. *Ind Eng Chem Res*. 55: 8933-8940. <http://dx.doi.org/10.1021/acs.iecr.6b02452>.
- Soroko, I; Livingston, A. (2009). Impact of TiO₂ nanoparticles on morphology and performance of crosslinked polyimide organic solvent nanofiltration (OSN) membranes. *J Memb Sci*. 343: 189-198. <http://dx.doi.org/10.1016/j.memsci.2009.07.026>.
- Soroko, I; Lopes, MP; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN): Part A. Effect of polymer/solvent/non-solvent system choice. *J Memb Sci*. 381: 152-162. <http://dx.doi.org/10.1016/j.memsci.2011.07.027>.
- Soroko, I; Makowski, M; Spill, F; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN). Part B: Analysis of evaporation step and the role of a co-solvent. *J Memb Sci*. 381: 163-171. <http://dx.doi.org/10.1016/j.memsci.2011.07.028>.
- Sosnowski, S; Gadzinowski, M; Slomkowski, S; Penczek, S. (1994). SYNTHESIS OF BIOERODIBLE POLY(EPSILON-CAPROLACTONE) LATEXES AND POLY(D,L-LACTIDE) MICROSPHERES BY RING-OPENING POLYMERIZATION. *J Bioact Compat Polymer*. 9: 345-366.
- Sowjanya, Y; Prasad, PSR. (2014). Formation kinetics & phase stability, of double hydrates of C₄H₈O and CO₂/CH₄: A comparison with pure systems. *Journal of Natural Gas Science & Engineering*. 18: 58-63. <http://dx.doi.org/10.1016/j.jngse.2014.02.001>.
- Soykan, C; Delibas, A, I; Coskun, R. (2008). Novel copolymers of N-(4-bromophenyl)-2-methacrylamide with glycidyl methacrylate: Synthesis, characterization, monomer reactivity ratios and thermal properties. *React Funct Polym*. 68: 114-124. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.10.004>.
- Spaans, CJ; De Groot, JH; Belgraver, VW; Pennings, AJ. (1998). A new biomedical polyurethane with a high modulus based on 1,4-butanediisocyanate and epsilon-caprolactone. *J Mater Sci Mater Med*. 9: 675-678.
- Spah, M; Spah, D, alC; Jun, S; Lee, S; Song, H, oJun; Won-Gun, K, oh; Park, J, inWon. (2009). Thermodynamic determination of solvation potentials of various metal chlorides by (1,4-dioxane + water) mixtures through EMF measurements. *Fluid Phase Equilibria*. 279: 17-27. <http://dx.doi.org/10.1016/j.fluid.2009.01.013>.
- Spasojevic, D; Prokopijevic, M; Prodanovic, O; Pirtea, MG; Radotic, K; Prodanovic, R. (2014). Immobilization of chemically modified horseradish peroxidase within activated alginate beads. *Hemijaska Industrija*. 68: 117-122. <http://dx.doi.org/10.2298/HEMIND121122036S>.
- Spicer, CW; Gordon, SM; Holdren, MW; Kelly, TJ; Mukund, R. (2002). Hazardous air pollutant handbook: Measurements, properties, and fate in ambient air. Boca Raton, FL: CRC Press. <http://www.crcnetbase.com/doi/book/10.1201/9781420032352>.
- Spiegelhalter, D; Thomas, A; Best, N; Lunn, D. (2003). WinBugs version 1.4 user manual. Cambridge, UK: MRC Biostatistics Unit. <http://www.mrc-bsu.cam.ac.uk/bugs/winbugs/manual14.pdf>.
- Sretenskaya, NG. (1992). DISSOCIATION-CONSTANTS OF HCL ACCORDING TO ELECTRIC RESISTIVITY DATA FOR HCL SOLUTIONS IN THE WATER-DIOXANE MIXTURES. *Geokhimiya*447-453.
- Srivastava, AK; Chaurasia, AK; Sharma, S; Mishra, G. (2006). Kinetics and mechanism of polymerization of vinyl acetate using triphenyl stibonium 1,2,3,4-tetrahydropyridyl-cyclopentadiene ylide. *Journal of Sci Ind Res*. 65: 514-517.
- Srouf, RK; McDonald, LM. (2008). Ionic conductivity of selected 2 : 1 electrolytes in dilute solutions of mixed aqueous-organic solvents at 298.15 K. *Journal of Chemical and Engineering Data*. 53: 335-342. <http://dx.doi.org/10.1021/je700313j>.
- Stanciu, ND; Albu, A, naM; Teodorescu, M; Hamaide, T; Vuluga, DM. (2009). Preliminary Studies on the Synthesis and Characterization of Cellulose - Maleic Anhydride - Dicyclopentadiene Composites. *Materiale Plastice*. 46: 215-219.

Fate Literature Search Results

Off Topic

- Steinemann, AC. (2009). Fragranced consumer products and undisclosed ingredients. *Environ Impact Assess Rev.* 29: 32-38. <http://dx.doi.org/10.1016/j.eiar.2008.05.002>.
- Stepanek, M; Matejicek, P; Humpolickova, J; Prochazka, K. (2005). Reversible aggregation of polystyrene-block-poly(2-vinylpyridine)-block-poly(ethylene oxide) block copolymer micelles in acidic aqueous solutions. *Langmuir.* 21: 10783-10790. <http://dx.doi.org/10.1021/la0516680>.
- Stepanek, M; Podhajecka, K; Tesarova, E; Prochazka, K; Tuzar, Z; Brown, W. (2001). Hybrid polymeric micelles with hydrophobic cores and mixed polyelectrolyte/nonelectrolyte shells in aqueous media. 1. Preparation and basic characterization. *Langmuir.* 17: 4240-4244. <http://dx.doi.org/10.1021/la010246x>.
- Stepien, DK; Regnery, J; Merz, C; Püttmann, W. (2013). Behavior of organophosphates and hydrophilic ethers during bank filtration and their potential application as organic tracers. A field study from the Oderbruch, Germany. *Sci Total Environ.* 458-460: 150-159. <http://dx.doi.org/10.1016/j.scitotenv.2013.04.020>.
- Stroebel, P; Mayer, F; Zerban, H; Bannasch, P. (1995). Spongiotic pericytoma: A benign neoplasm deriving from the perisinusoidal (Ito) cells in rat liver. *Am J Pathol.* 146: 903-913.
- Subbaiah, T. (1993). SALT EFFECT IN VAPOR-LIQUID-EQUILIBRIA. *J Chem Tech Biotechnol.* 57: 163-168.
- Sudarsanam, P; Malleshham, B; Prasad, AN; Reddy, PS; Reddy, BM. (2013). Synthesis of bio-additive fuels from acetalization of glycerol with benzaldehyde over molybdenum promoted green solid acid catalysts. *Fuel Process Tech.* 106: 539-545. <http://dx.doi.org/10.1016/j.fuproc.2012.09.025>.
- Suez, I; Backer, SA; Fréchet, JM. (2005). Generating an etch resistant "resist" layer from common solvents using scanning probe lithography in a fluid cell. *Nano Lett.* 5: 321-324. <http://dx.doi.org/10.1021/nl048014g>.
- Sugimoto, H; Ogawa, A. (2007). Alternating copolymerization of carbon dioxide and epoxide by dinuclear zinc Schiff base complex. *React Funct Polym.* 67: 1277-1283. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.07.008>.
- Sugunan, S; Malayan, JJ. (1995). ELECTRON-DONATING, ACID-BASE, AND MAGNETIC-PROPERTIES OF SAMARIA CATALYST. *J Adhes Sci Tech.* 9: 73-80.
- Sugunan, S; Rani, GD. (1993). ACID-BASE, ELECTRON-DONATING AND MAGNETIC-PROPERTIES OF ND2O3 AND ITS MIXED OXIDES WITH ALUMINA CATALYSTS. *Journal of Materials Science.* 28: 4811-4815.
- Sumitra, C, h; Singh, T, hD; Devi, MI; Singh, NR. (2008). Absorption spectral studies of 4f-4f transitions for the complexation of Pr(III) and Nd(III) with glutathione reduced (GSH) in presence of Zn(II) in different aquated organic solvents and kinetics for the complexation of Pr(III): GSH with Zn(II). *J Alloy Comp.* 451: 365-371. <http://dx.doi.org/10.1016/j.jallcom.2007.04.153>.
- Sun, D; Wang, J; Yamada, Y; Sato, S. (2015). Cyclodehydration of diethylene glycol over Ag-modified Al2O3 catalyst. *Appl Catal A-Gen.* 505: 422-430. <http://dx.doi.org/10.1016/j.apcata.2015.03.047>.
- Sun, F; Sun, B; Hu, J; He, Y; Wu, W. (2015). Organics and nitrogen removal from textile auxiliaries wastewater with A2O-MBR in a pilot-scale. *J Hazard Mater.* 286: 416-424. <http://dx.doi.org/10.1016/j.jhazmat.2015.01.031>.
- Sun, M; Lopez-Velandia, C; Knappe, DR. (2016). Determination of 1,4-Dioxane in the Cape Fear River Watershed by Heated Purge-and-Trap Preconcentration and Gas Chromatography-Mass Spectrometry. *Environ Sci Technol.* 50: 2246-2254. <http://dx.doi.org/10.1021/acs.est.5b05875>.
- Sun, RC; Lawther, JM; Banks, WB. (1998). Isolation and characterization of organosolv lignins from wheat straw. *Wood and Fiber Science.* 30: 56-63.
- Sun, RC; Lawther, JM; Banks, WB; Xiao, B. (1997). Effect of extraction procedure on the molecular weight of wheat straw lignins. *Ind Crop Prod.* 6: 97-106.
- Sun, RC; Mott, L; Bolton, J. (1998). Fractional and structural characterization of ball milled and enzyme lignins from oil palm empty fruit bunch fiber. *Wood and Fiber Science.* 30: 301-311.
- Sun, SN, i; Cao, X, ueFei; Xu, F; Jones, GL; Baird, M. (2014). Alkaline and Organosolv Lignins from Furfural Residue: Structural Features and Antioxidant Activity. *BioResources.* 9: 772-785.
- Sun, XF; Jing, Z; Fowler, P; Wu, Y; Rajaratnam, M. (2011). Structural characterization and isolation of lignin and hemicelluloses from barley straw. *Ind Crop Prod.* 33: 588-598. <http://dx.doi.org/10.1016/j.indcrop.2010.12.005>.
- Sun, XF; Sun, R; Fowler, P; Baird, MS. (2005). Extraction and characterization of original lignin and hemicelluloses from wheat straw. *J Agric Food Chem.* 53: 860-870. <http://dx.doi.org/10.1021/jf040456q>.
- Sun, YC; Wang, M, in; Sun, R, unC. (2015). Toward an Understanding of Inhomogeneities in Structure of Lignin in Green Solvents Biorefinery. Part 1: Fractionation and Characterization of Lignin. 3: 2443-2451. <http://dx.doi.org/10.1021/acssuschemeng.5b00809>.
- Sun, YC; Xu, J, iKun; Xu, F; Sun, R, unC. (2013). Efficient separation and physico-chemical characterization of lignin from eucalyptus using ionic liquid-organic solvent and alkaline ethanol solvent. *Ind Crop Prod.* 47: 277-285. <http://dx.doi.org/10.1016/j.indcrop.2013.03.025>.
- Surprenant, KS. (2002). *Ullmann's Encyclopedia of Industrial Chemistry* Dioxane (6th ed.). Weinheim, Germany: Wiley-VCH Verlag. http://dx.doi.org/10.1002/14356007.a08_545.
- Suthersan, S; Gentile, M; Bell, C; Quinnan, J; Horst, J. (2016). Big Data and Environmental Remediation: Gaining Predictive Insights. *Ground Water Monitoring and Remediation.* 36: 21-31. <http://dx.doi.org/10.1111/gwmmr.12156>.
- Suthersan, S; Quinnan, J; Horst, J; Ross, I, an; Kalve, E; Bell, C; Pancras, T. (2016). Making Strides in the Management of "Emerging Contaminants". *Ground Water Monitoring and Remediation.* 36: 15-25. <http://dx.doi.org/10.1111/gwmmr.12143>.
- Syal, VK; Bisht, P. (1994). CONDUCTOMETRIC STUDIES OF SOME TETRAALKYLAMMONIUM SALTS IN BINARY-MIXTURES OF DIMETHYLSULFOXIDE AND DIOXANE AT 35-DEGREES-C AND 45-DEGREES-C. *Indian J Chem Tech.* 1: 233-236.
- Szmaja, A; Szubzda, B. (2010). Preliminary studies on selection of organic non-toxic electrolyte for supercapacitors. 86: 349-352.

Fate Literature Search Results

Off Topic

- Tada, EB; Novaki, LP; El Seoud, OA. (2001). Solvatochromism in cationic micellar solutions: Effects of the molecular structures of the solvatochromic probe and the surfactant headgroup. *Langmuir*. 17: 652-658. <http://dx.doi.org/10.1021/la0011351>.
- Tada, EB; Ouarti, N; Silva, PL; Blagoeva, IB; El Seoud, OA; Ruasse, MF. (2003). Nucleophilic reactivity of the CTACI-Micelle-bound fluoride ion: The influence of water concentration and ionic strength at the micellar interface. *Langmuir*. 19: 10666-10672. <http://dx.doi.org/10.1021/la030186q>.
- Taha, M. (2004). Thermodynamic study of the second-stage dissociation of N,N-bis-(2-hydroxyethyl)glycine (bicine) in water at different ionic strength and different solvent mixtures. *Ann Chim*. 94: 971-978. <http://dx.doi.org/10.1002/adic.200490119>.
- Taha, M. (2016). Designing new mass-separating agents based on piperazine-containing good's buffers for separation of propanols and water azeotropic mixtures using COSMO-RS method. *Fluid Phase Equilibria*. 425: 40-46. <http://dx.doi.org/10.1016/j.fluid.2016.05.011>.
- Taha, M; Khalil, MM. (2005). Mixed-ligand complex formation equilibria of cobalt(II), nickel(II), and copper(II) with N,N-bis(2-hydroxyethyl)glycine (bicine) and some amino acids. *Journal of Chemical and Engineering Data*. 50: 157-163. <http://dx.doi.org/10.1021/je049766v>.
- Taha, M; Khalil, MM; Mohamed, SA. (2005). Metal ion-buffer interactions. Complex formation of N,N-bis(2-hydroxyethyl)glycine (bicine) with various biologically relevant ligands. *Journal of Chemical and Engineering Data*. 50: 882-887. <http://dx.doi.org/10.1021/je049625t>.
- Taha, M; Lee, M. (2009). Buffer interactions: Densities and solubilities of some selected biological buffers in water and in aqueous 1,4-dioxane solutions. *Biochem Eng J*. 46: 334-344. <http://dx.doi.org/10.1016/j.bej.2009.06.009>.
- Taha, M; Lee, MJ, er. (2011). Solubility and Phase Separation of 2-(N-Morpholino)ethanesulfonic Acid (MES) and 4-(N-Morpholino)butanesulfonic Acid (MOBS) in Aqueous 1,4-Dioxane and Ethanol Solutions. *Journal of Chemical and Engineering Data*. 56: 4436-4443. <http://dx.doi.org/10.1021/je200244p>.
- Taha, M; Teng, H; Lee, M. (2013). Buffering-out: Separation of tetrahydrofuran, 1,3-dioxolane, or 1,4-dioxane from their aqueous solutions using EPPS buffer at 298.15 K. *Separation and Purification Technology*. 105: 33-40. <http://dx.doi.org/10.1016/j.seppur.2012.12.022>.
- Tahara, M; Obama, T; Ikarashi, Y. (2013). Development of analytical method for determination of 1,4-dioxane in cleansing products. *Int J Cosmet Sci*. 35: 575-580. <http://dx.doi.org/10.1111/ics.12079>.
- Tajima, H; Niitsu, T; Inoue, H. (1999). Polymerization of formaldehyde by an immobilized thiamine catalyst on cation-exchange resin. *J Chem Eng Jpn*. 32: 776-782.
- Tajima, T; Hayashida, N; Matsumura, R; Omura, A; Nakashimada, Y; Kato, J. (2012). Isolation and characterization of tetrahydrofuran-degrading *Rhodococcus aetherivorans* strain M8. *Process Biochemistry*. 47: 1665-1669. <http://dx.doi.org/10.1016/j.procbio.2011.08.009>.
- Takagi, H; Isoda, T; Kusakabe, K; Morooka, S. (1999). Effects of solvents on the hydrogenation of mono-aromatic compounds using noble-metal catalysts. *Energy Fuels*. 13: 1191-1196.
- Takagi, H; Oumi, Y; Uozumi, T; Masuda, T; Sano, T. (2001). Synthesis of 1,4-dioxan-2-one from 1,3-dioxolane and carbon monoxide over cation-exchange resin catalyst. 44: 131-134.
- Takahashi, S; Kojima, K; Takahashi, S. (1999). Liquid structure of aqueous 1,4-dioxane solution using the chemical shift of O-17-NMR. *Kagaku Kogaku Ronbunshu*. 25: 608-612.
- Takahashi, S; Okonogi, H; Hagiwara, T; Maekawa, Y. (2008). Preparation of polymer electrolyte membranes consisting of alkyl sulfonic acid for a fuel cell using radiation grafting and subsequent substitution/elimination reactions. *J Memb Sci*. 324: 173-180. <http://dx.doi.org/10.1016/j.memsci.2008.07.012>.
- Takamuku, T; Noguchi, Y; Nakano, M; Matsugami, M; Iwase, H; Otomo, T. (2007). Microinhomogeneity for aqueous mixtures of water-miscible organic solvents. *Ceramic Society of Japan Journal*. 115: 861-866.
- Take, M; Ohnishi, M; Yamamoto, S; Matsumoto, M; Nagano, K; Fukushima, S. (2012). Distribution of 1,4-dioxane by combined inhalation plus oral exposure routes in rats. *Int J Environ Anal Chem*. 92: 1715-1728. <http://dx.doi.org/10.1080/03067319.2011.581370>.
- Takeno, K; Yokoyama, T; Matsumoto, Y. (2012). EFFECT OF SOLVENT ON THE beta-O-4 BOND CLEAVAGE OF A LIGNIN MODEL COMPOUND BY TERT-BUTOXIDE UNDER MILD CONDITIONS. *BioResources*. 7: 15-25.
- Takigawa, T; Ogawa, H; Nakamura, M; Tamura, K; Murakami, S. (1995). THERMODYNAMIC PROPERTIES (H-M(E), C-P,M(E), V-M(E), KAPPA-T-E) OF BINARY MIXTURES(X1,3-DIOXANE PLUS (1-X)CYCLOHEXANE) AT 298.15 K. *Fluid Phase Equilibria*. 110: 267-281.
- Takigawa, T; Ogawa, H; Tamura, K; Murakami, S. (1997). Excess enthalpies of binary mixtures {x dioxane isomer plus (1-x) non-polar liquid} at 298.15 K. *Fluid Phase Equilibria*. 136: 257-267.
- Talhami, A; Penn, L; Jaber, N; Hamza, K; Blum, J. (2006). Sol-gel entrapped dichlorobis(triphenylphosphine)palladium as an efficient recyclable catalyst for the cross-coupling of aryl halides with indium- and related alkylating reagents. *Appl Catal A-Gen*. 312: 115-119. <http://dx.doi.org/10.1016/j.apcata.2006.06.033>.
- Tamasaki, H; Sohmura, T; Teraoka, F; Yamamoto, T; Hirose, Y; Takahashi, J; Niwa, H. (2005). Fabrication of porous particulate for the scaffold by applying solution spraying method. *Dent Mater J*. 24: 76-82.
- Tamilarasan, R; Prabu, AA; Kumar, MD; Yoo, CK. (2008). Salt effect on the enthalpy of mixing of 1,4-dioxane + formic acid at 303.15 K. *Journal of Chemical and Engineering Data*. 53: 966-969. <http://dx.doi.org/10.1021/je7007022>.
- Tamura, K; Bhuiyan, MMH. (2005). Excess molar enthalpies of ternary mixtures of ethanol plus 1-propanol plus tetrahydropyran or 1,4-dioxane at 298.15 K. *Journal of Chemical and Engineering Data*. 50: 66-71. <http://dx.doi.org/10.1021/je049852v>.
- Tanabe, A; Kawata, K. (2009). Impact of N,N-dimethylformamide from domestic effluents on river waters. *Bull Environ Contam Toxicol*. 83: 841-845. <http://dx.doi.org/10.1007/s00128-009-9857-7>.
- Tanaka, T; Eguchi, S; Saitoh, H; Taniguchi, M; Lloyd, DR. (2008). Microporous foams of polymer blends of poly(L-lactic acid) and poly(epsilon-caprolactone). *Desalination*. 234: 175-183. <http://dx.doi.org/10.1016/j.desal.2007.09.084>.

Fate Literature Search Results

Off Topic

- Tanaka, T; Lloyd, DR. (2004). Formation of poly(L-lactic acid) microfiltration membranes via thermally induced phase separation. *J Memb Sci.* 238: 65-73. <http://dx.doi.org/10.1016/j.memsci.2004.03.020>.
- Tanaka, T; Tsuchiya, T; Takahashi, H; Taniguchi, M; Ohara, H; Lloyd, DR. (2006). Formation of biodegradable polyesters membranes via thermally induced phase separation. *J Chem Eng Jpn.* 39: 144-153.
- Tanaka, T; Ueno, M; Watanabe, Y; Kouya, T; Taniguchi, M; Lloyd, DR. (2011). Poly(L-lactic acid) Microfiltration Membrane Formation via Thermally Induced Phase Separation with Drying. *J Chem Eng Jpn.* 44: 467-475.
- Tanaka, Y; Okada, T; Ogawa, M. (2009). Adsorption of tetrakis(p-sulfonatophenyl) porphyrin on kaolinite. *Journal of Porous Materials.* 16: 623-629. <http://dx.doi.org/10.1007/s10934-008-9240-9>.
- Tang, S; Dong, X. (2012). Theta Temperatures of Chlorinated Poly(propene) Solutions. *Journal of Chemical and Engineering Data.* 57: 1499-1501. <http://dx.doi.org/10.1021/jc300009n>.
- Tanimoto, M; Fukuoka, H; Shigemoto, N. (2010). Behavior of Gas Bubbling Vaporization and UV Irradiation Decomposition for 1,4-Dioxane in Wastewater. *Kagaku Kogaku Ronbunshu.* 36: 611-616.
- Tao, Y; Li, S; Li, P; Wu, Q. (2016). Thermogravimetric analyses (TGA) of lignins isolated from the residue of corn stover bioethanol (CSB) production. *Holzforschung.* 70: 1175-1182. <http://dx.doi.org/10.1515/hf-2016-0022>.
- Tasaki, H; Toshima, K; Matsumura, S. (2003). Enzymatic synthesis and polymerization of cyclic trimethylene carbonate monomer with/without methyl substituent. *Macromol Biosci.* 3: 436-441. <http://dx.doi.org/10.1002/mabi.200350013>.
- Taylor, BR; Kauzlarich, SM; Delgado, GR; Lee, HWH. (1999). Solution synthesis and characterization of quantum confined Ge nanoparticles. *Chem Mater.* 11: 2493-2500.
- Taylor, SW; Lange, CR; Lesold, EA. (1997). Biofouling of contaminated ground-water recovery wells: Characterization of microorganisms. *Ground Water.* 35: 973-980.
- Teamkao, P; Thiravetyan, P. (2010). Phytoremediation of ethylene glycol and its derivatives by the burhead plant (*Echinodorus cordifolius* (L.)): effect of molecular size. *Chemosphere.* 81: 1069-1074. <http://dx.doi.org/10.1016/j.chemosphere.2010.09.049>.
- Teamkao, P; Thiravetyan, P. (2015). Phytoremediation of Mono-, Di-, and Triethylene Glycol by *Echinodorus cordifolius* L. Griseb. *Int J Phytoremediation.* 17: 93-100. <http://dx.doi.org/10.1080/15226514.2013.810579>.
- Tekes, AT; Sinag, A; Misirhoglu, Z; Canel, M. (2002). Determination of swelling properties of Soma-Isiklar lignite (Turkey). *Energy Fuels.* 16: 1309-1313. <http://dx.doi.org/10.1021/ef020079o>.
- Tekuri, C; Singh, DK; Nath, M. (2016). Synthesis, characterization and optical properties of beta-substituted pyrrolo- and indolo[1,2-a]quinoxalinoporphyrins. *Dyes and Pigments.* 132: 194-203. <http://dx.doi.org/10.1016/j.dyepig.2016.04.045>.
- Teli, SB; Gokavi, GS; Sairam, M; Aminabhavi, TM. (2007). Highly water selective silicotungstic acid (H₄SiW₁₂O₄₀) incorporated novel sodium alginate hybrid composite membranes for pervaporation dehydration of acetic acid. *Separation and Purification Technology.* 54: 178-186. <http://dx.doi.org/10.1016/j.seppur.2006.09.002>.
- Teli, SB; Gokavi, GS; Tak, T, aeM; Aminabhavi, TM. (2009). Chitosan/Gelatin Blend Membranes for Pervaporation Dehydration of 1,4-Dioxane. *Separation Science and Technology.* 44: 3202-3223. <http://dx.doi.org/10.1080/01496390903182420>.
- ten Elshof, JE; Abadal, CR; Sekulic, J; Chowdhury, SR; Blank, DHA. (2003). Transport mechanisms of water and organic solvents through microporous silica in the pervaporation of binary liquids. *Microporous and Mesoporous Materials.* 65: 197-208. <http://dx.doi.org/10.1016/j.micromeso.2003.08.010>.
- Terreau, O; Bartels, C; Eisenberg, A. (2004). Effect of poly(acrylic acid) block length distribution on polystyrene-b-poly(acrylic acid) block copolymer aggregates in solution. 2. A partial phase diagram. *Langmuir.* 20: 637-645. <http://dx.doi.org/10.1021/la035557h>.
- Terreau, O; Luo, LB; Eisenberg, A. (2003). Effect of poly(acrylic acid) block length distribution on polystyrene-b-poly(acrylic acid) aggregates in solution. 1. Vesicles. *Langmuir.* 19: 5601-5607. <http://dx.doi.org/10.1021/la0269715>.
- Teshome, A; Kay, AJ; Woolhouse, AD; Clays, K; Asselberghs, I; Smith, GJ. (2009). Strategies for optimising the second-order nonlinear optical response in zwitterionic merocyanine dyes. *Optical Materials.* 31: 575-582. <http://dx.doi.org/10.1016/j.optmat.2008.06.016>.
- Thangjam, PD; Rajkumari, L. (2010). Potentiometric Studies on the Complexation Reactions of N-(2,2-[1-(3-Aminophenyl)ethylidene]hydrazino-2-oxoethyl)benzamide with Ni²⁺, Cu²⁺, and Cd²⁺ Ions in Aqueous Dioxane and Micellar Media. *Journal of Chemical and Engineering Data.* 55: 1166-1172. <http://dx.doi.org/10.1021/jc900583g>.
- Thenappan, T; Subramanian, M. (2001). Dielectric studies of hydrogen bonded complexes of alcohols with nitriles. *Mater Sci Eng B.* 86: 7-10.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2012). Novel template confinement derived from polybenzoxazine-based carbon xerogels for synthesis of ZSM-5 nanoparticles via microwave irradiation. *Microporous and Mesoporous Materials.* 156: 7-15. <http://dx.doi.org/10.1016/j.micromeso.2012.01.035>.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2014). Self-formation of 3D interconnected macroporous carbon xerogels derived from polybenzoxazine by selective solvent during the sol-gel process. *Journal of Materials Science.* 49: 4946-4961. <http://dx.doi.org/10.1007/s10853-014-8196-1>.
- Tian, MM; Qin, AW; Ramireddy, C; Webber, SE; Munk, P; Tuzar, Z; Prochazka, K. (1993). HYBRIDIZATION OF BLOCK-COPOLYMER MICELLES. *Langmuir.* 9: 1741-1748.
- Tian, W, eiC; Ho, Y, uH; Chou, CH. (2013). Photoactivated TiO₂ Gas Chromatograph Detector for Diverse Chemical Compounds Sensing at Room Temperature. *IEEE Sens J.* 13: 1725-1729. <http://dx.doi.org/10.1109/JSEN.2013.2242259>.
- Tien, J; Terfort, A; Whitesides, GM. (1997). Microfabrication through electrostatic self-assembly. *Langmuir.* 13: 5349-5355.
- Timofeeva, MN; Panchenko, VN; Khan, NA; Hasan, Z; Prosvirin, IP; Tsybulya, SV; Jhung, SH, wa. (2017). Isostructural metal-carboxylates MIL-100(M) and MIL-53(M) (M: V, Al, Fe and Cr) as catalysts for condensation of glycerol with acetone. *Appl Catal A-Gen.* 529: 167-174. <http://dx.doi.org/10.1016/j.apcata.2016.11.006>.

Fate Literature Search Results

Off Topic

- Timofeeva, SA; Yakupova, LR; Safiullin, RL; Zlotskii, SS. (2012). Synthesis and inhibiting activity of pyrocatechol monoethers. *Petroleum Chemistry*. 52: 432-436. <http://dx.doi.org/10.1134/S096554411205012X>.
- Tirsoaga, A; Cojocar, B; Teodorescu, C; Vasiliu, F; Grecu, MN; Ghica, D; Parvulescu, VI; Garcia, H. (2016). C-N cross-coupling on supported copper catalysts: The effect of the support, oxidation state, base and solvent. *J Catal*. 341: 205-220. <http://dx.doi.org/10.1016/j.jcat.2016.06.011>.
- Tiwari, S; Ghosh, KK. (2008). Micellization of Cetyltributylphosphonium Bromide in some Binary Aqueous Solvents Mixtures. *Tenside Surfactants Detergents*. 45: 263-267.
- Todorovic, ZB; Stamenkovic, OS; Stamenkovic, IS; Avramovic, JM; Velickovic, A, naV; Bankovic-Ilic, IB; Veljkovic, VB. (2013). The effects of cosolvents on homogeneously and heterogeneously base-catalyzed methanolysis of sunflower oil. *Fuel*. 107: 493-502. <http://dx.doi.org/10.1016/j.fuel.2012.11.049>.
- Tokudome, Y; Naleane, K; Takahashi, M. (2014). Mesostructured carbon film with morphology-induced hydrophilic surface through a dewetting-free coating process. *Carbon*. 77: 1104-1110. <http://dx.doi.org/10.1016/j.carbon.2014.06.028>.
- Toti, US; Kariduranavar, MY; Aralaguppi, MI; Aminabhavi, TM. (2000). Density, viscosity, refractive index, and speed of sound of ternary systems: Polystyrene in 1,4-dioxane plus tetrahydrofuran mixtures at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 45: 920-925.
- Tran-Ba, KH, oa; Finley, JJ; Higgins, DA; Ito, T. (2012). Single-Molecule Tracking Studies of Millimeter-Scale Cylindrical Domain Alignment in Polystyrene-Poly(ethylene oxide) Diblock Copolymer Films Induced by Solvent Vapor Penetration. *Journal of Physical Chemistry Letters*. 3: 1968-1973. <http://dx.doi.org/10.1021/jz300647z>.
- Trytek, M; Fiedurek, J, an; Gromada, A. (2016). Effect of some abiotic stresses on the biotransformation of α -pinene by a psychrotrophic *Chrysosporium pannorum*. *Biochem Eng J*. 112: 86-93. <http://dx.doi.org/10.1016/j.bej.2016.03.010>.
- Tsai, HA; Kuo, CY; Su, SL; Wang, DM; Lai, JY. (2009). The morphological evolution of solvent-containing PMMA membranes in various solvent removal processes. *J Memb Sci*. 345: 288-297. <http://dx.doi.org/10.1016/j.memsci.2009.09.011>.
- Tsivintzelis, I; Economou, IG; Kontogeorgis, GM. (2009). Modeling the Solid-Liquid Equilibrium in Pharmaceutical-Solvent Mixtures: Systems with Complex Hydrogen Bonding Behavior. *AIChE J*. 55: 756-770. <http://dx.doi.org/10.1002/aic.11716>.
- Tsukada, H; Yamada, N; Taniguchi, E; Kawano, E. (2000). Synthesis and lateral root-inducing activity of novel 2-piperidones with a 1,4-benzodioxan ring. *Kyushu University Faculty of Agriculture Journal*. 44: 317-328.
- Tsunoji, N, ao; Ikeda, T; Ide, Y; Sadakane, M; Sano, T. (2012). Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO₂-choline hydroxide-NaOH-H₂O system. *J Mater Chem*. 22: 13682-13690. <http://dx.doi.org/10.1039/c2jm31872e>.
- Tsutsumi, Y; Kondo, R; Sakai, K; Imamura, H. (1995). THE DIFFERENCE OF REACTIVITY BETWEEN SYRINGYL LIGNIN AND GUAIACYL LIGNIN IN ALKALINE SYSTEMS. *Holzforschung*. 49: 423-428.
- Tsvetkov, NV; Bushin, SV; Bezrukova, MA; Astapenko, EP; Mikusheva, NG; Lebedeva, EV; Podseval'nikova, AN; Khripunov, AK. (2013). Conformational and optical properties of macromolecules of some aliphatic-substituted cellulose esters. *Cellulose*. 20: 1057-1071. <http://dx.doi.org/10.1007/s10570-013-9913-7>.
- Tudorachi, N; Lipsa, R. (2004). The synthesis and characterization of some copolymers based on poly(ethylene glycol) or poly(vinyl alcohol) with lactic acid. *Materiale Plastice*. 41: 99-104.
- Tuomela, M; Lyytikainen, M; Oivanen, P; Hatakka, A. (1999). Mineralization and conversion of pentachlorophenol (PCP) in soil inoculated with the white-rot fungus *Trametes versicolor*. *Soil Biol Biochem*. 31: 65-74.
- Tuomela, M; Oivanen, P; Hatakka, A. (2002). Degradation of synthetic C-14-lignin by various white-rot fungi in soil. *Soil Biol Biochem*. 34: 1613-1620.
- Turac, E; Sahmetlioglu, E. (2010). Oxidative polymerization of 4-[(4-phenylazo-phenylimino)-methyl]-phenol catalyzed by horseradish peroxidase. *Synthetic Metals*. 160: 169-172. <http://dx.doi.org/10.1016/j.synthmet.2009.10.026>.
- Turay, CB; Erdogan, MK; Karakisa, M; Sacak, M. (2016). Conductive poly(o-anisidine)/poly(ethylene terephthalate) nonwoven composite: Investigation of synthesis parameters and electromagnetic shielding effectiveness. *Journal of Industrial Textiles*. 46: 1104-1120. <http://dx.doi.org/10.1177/1528083715613629>.
- Tyagi, S; Kumar, R; Singh, UP. (2005). Solution studies of some binary and ternary lanthanide complexes. *Journal of Chemical and Engineering Data*. 50: 377-382. <http://dx.doi.org/10.1021/je0400097>.
- U.S. APHC. (2010). Studies on metabolism of 1,4-dioxane. (Toxicology Report No. 87-XE-08WR-09). Aberdeen Proving Ground, MD: U.S. Army Environmental Command.
- U.S. Congress. (2011). Consolidated Appropriations Act, 2012. (Pub. L. No. 112-74; 125 STAT. 786). 112th U.S. Congress. <https://www.gpo.gov/fdsys/pkg/PLAW-112publ74/pdf/PLAW-112publ74.pdf>.
- U.S. EPA. (1986). Guidelines for carcinogen risk assessment [EPA Report]. (EPA/630/R-00/004). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. http://epa.gov/raf/publications/pdfs/CA%20GUIDELINES_1986.PDF.
- U.S. EPA. (1986). Guidelines for mutagenicity risk assessment (pp. 1-17). (EPA/630/R-98/003). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/guidelines-mutagenicity-risk-assessment>.
- U.S. EPA. (1986). Guidelines for the health risk assessment of chemical mixtures (pp. 1-38). (EPA/630/R-98/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=22567>.
- U.S. EPA. (1988). Recommendations for and documentation of biological values for use in risk assessment (pp. 1-395). (EPA/600/6-87/008). Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=34855>.

Fate Literature Search Results

Off Topic

- U.S. EPA. (1991). Guidelines for developmental toxicity risk assessment (pp. 1-71). (EPA/600/FR-91/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=23162>.
- U.S. EPA. (1994). Interim policy for particle size and limit concentration issues in inhalation toxicity studies. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticide Products. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=186068>.
- U.S. EPA. (1994). Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry [EPA Report] (pp. 1-409). (EPA/600/8-90/066F). Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Risk Assessment, Environmental Criteria and Assessment Office. <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=71993&CFID=51174829&CFTOKEN=25006317>.
- U.S. EPA. (1995). The use of the benchmark dose approach in health risk assessment. (EPA/630/R-94/007). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=30004WBL.txt>.
- U.S. EPA. (1996). Guidelines for reproductive toxicity risk assessment (pp. 1-143). (EPA/630/R-96/009). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
- U.S. EPA. (1998). Guidelines for neurotoxicity risk assessment [EPA Report] (pp. 1-89). (EPA/630/R-95/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/risk/guidelines-neurotoxicity-risk-assessment>.
- U.S. EPA. (2000). Benchmark dose technical guidance document [external review draft] [EPA Report] (pp. 1-96). (EPA/630/R-00/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. https://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=4727.
- U.S. EPA. (2000). Science policy council handbook: Risk characterization (pp. 1-189). (EPA/100/B-00/002). Washington, D.C.: U.S. Environmental Protection Agency, Science Policy Council. <https://www.epa.gov/risk/risk-characterization-handbook>.
- U.S. EPA. (2000). Supplementary guidance for conducting health risk assessment of chemical mixtures (pp. 1-209). (EPA/630/R-00/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=20533>.
- U.S. EPA. (2002). A review of the reference dose and reference concentration processes (pp. 1-192). (EPA/630/P-02/002F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/osa/review-reference-dose-and-reference-concentration-processes>.
- U.S. EPA. (2002). Toxic Substances Control Act (TSCA) Inventory Update Database [Website]. Retrieved from <http://www.epa.gov/iur/>
- U.S. EPA. (2005). Guidelines for carcinogen risk assessment [EPA Report] (pp. 1-166). (EPA/630/P-03/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www2.epa.gov/osa/guidelines-carcinogen-risk-assessment>.
- U.S. EPA. (2005). Supplemental guidance for assessing susceptibility from early-life exposure to carcinogens (pp. 1-125). (EPA/630/R-03/003F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. https://www3.epa.gov/airtoxics/childrens_supplement_final.pdf.
- U.S. EPA. (2006). A framework for assessing health risk of environmental exposures to children (pp. 1-145). (EPA/600/R-05/093F). Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=158363>.
- U.S. EPA. (2006). Peer review handbook (3rd edition) [EPA Report]. (EPA/100/B-06/002). Washington, DC: U.S. Environmental Protection Agency, Science Policy Council. <http://www.epa.gov/peerreview/>.
- U.S. EPA. (2009). Status report: Advances in inhalation dosimetry of gases and vapors with portal of entry effects in the upper respiratory tract [EPA Report]. (EPA/600/R-09/072). Research Triangle Park, NC. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=212131>.
- U.S. EPA. (2011). Recommended use of body weight 3/4 as the default method in derivation of the oral reference dose (pp. 1-50). (EPA/100/R11/0001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum, Office of the Science Advisor. <https://www.epa.gov/risk/recommended-use-body-weight-34-default-method-derivation-oral-reference-dose>.
- U.S. EPA. (2012). Advances in inhalation gas dosimetry for derivation of a reference concentration (RfC) and use in risk assessment (pp. 1-140). (EPA/600/R-12/044). Washington, DC. <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=244650&CFID=50524762&CFTOKEN=17139189>.
- U.S. EPA. (2012). Benchmark dose technical guidance. (EPA/100/R-12/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/benchmark-dose-technical-guidance>.
- U.S. EPA. (2012). EPA announces NAS' review of IRIS assessment development process [Website]. Washington, DC. Retrieved from <http://yosemite.epa.gov/opa/admpress.nsf/0/1ce2a7875daf093485257a000054df54?OpenDocument>
- U.S. EPA. (2013). Toxic release inventory. 2011 TRI national analysis basic data files [Website]. Retrieved from <http://www2.epa.gov/toxics-release-inventory-tri-program/2011-tri-national-analysis-basic-data-files>
- U.S. EPA. (2013). WinBUGS model code in support of 1,4-dioxane IRIS assessment.
- Uehara, T; Nishimura, H; Furuno, T; Jodai, S; Sakata, I. (1993). EFFECT OF CORONA DISCHARGE TREATMENT ON BEECH WOOD MEAL. 39: 729-733.
- Uemura, T; Kadowaki, Y, u; Kim, C, hoR; Fukushima, T; Hiramatsu, D; Kitagawa, S. (2011). Incarceration of Nanosized Silica into Porous Coordination Polymers: Preparation, Characterization, and Adsorption Property. Chem Mater. 23: 1736-1741. <http://dx.doi.org/10.1021/cm102610r>.
- UNEP. (2000). The Montreal Protocol on substances that deplete the ozone layer. Nairobi, Kenya: United Nations Environment Programme, Ozone Secretariat. <http://www.google.com/url?sa=t&source=web&cd=1&ved=0CBIQFjAA&url=http%3A%2F%2Fwww.unep.org%2Fozone%2Fpdfs%2Fmo>

Fate Literature Search Results

Off Topic

- ntreal-protocol2000.pdf&ei=-c89TPX0N9PRngf-i-jdDg&usg=AFQjCNH4OHI5inPn5XFcYTvbIPPRDZu-fQ&sig2=qqSaM_nuQIX1Hc409kBvgw.
- Upadhyaya, JS; Singh, SP. (1991). CHROMATOGRAPHIC STUDIES ON OXIDATION-PRODUCTS OF LIGNIN FROM SESBANIA-SESBAN. *Cellulose Chemistry and Technology*. 25: 219-226.
- Urban, S; Gestblom, B; Dabrowski, R. (1998). Dielectric studies of a 5-n-alkyl-2-(4'-isothiocyanatophenyl)-1,3-dioxane (nDBT) homologous series (n = 4-10). *Liquid Crystals*. 24: 681-688.
- Usachev, NY, a; Kalinin, VP; Udaltsova, EA; Kazakov, AV; Belanova, EP; Kagramanov, ND. (2013). Catalytic transformations of mixtures of ethers with aliphatic and aromatic nitriles on solid acids under supercritical conditions. *Petroleum Chemistry*. 53: 187-193. <http://dx.doi.org/10.1134/S0965544113030110>.
- Van den Brink, M; Van Herk, AM; German, AL. (1999). On-line monitoring and control of the solution polymerization of n-butyl acrylate in dioxane by Raman spectroscopy. 11: 265-275.
- Van Tran, A. (2001). Effect of pH on oxygen delignification of hardwood kraft pulp. 83: 405-410.
- Varam, Y; Rajkumari, L. (2011). Complexation of N⁻[1-(2,4-Dihydroxyphenyl)ethylidene]isonicotinohydrazide with Lanthanide Ions. *Journal of Chemical and Engineering Data*. 56: 3552-3560. <http://dx.doi.org/10.1021/je200370d>.
- Vargantwar, PH; Brannock, MC; Tauer, K; Spontak, RJ. (2013). Midblock-sulfonated triblock ionomers derived from a long-chain poly[styrene-*b*-butadiene-*b*-styrene] triblock copolymer. 1: 3430-3439. <http://dx.doi.org/10.1039/c2ta00022a>.
- Varshney, S; Singh, M. (2006). Densities, viscosities, and excess molar volumes of ternary liquid mixtures of bromobenzene+1,4-dioxane + (benzene or plus toluene or plus carbon tetrachloride) and some associated binary liquid mixtures. *Journal of Chemical and Engineering Data*. 51: 1136-1140. <http://dx.doi.org/10.1021/je0600303>.
- Vasishtha, R; Srivastava, AK. (1997). Polymerization of methyl acrylate using a heterocyclic ylide as an initiator and degradative chain transfer agent. *Indian J Chem Tech*. 4: 13-17.
- Vasoya, PJ; Mehta, NM; Patel, VA; Parsania, PH. (2007). Effect of temperature on ultrasonic velocity and thermodynamic parameters of cardo aromatic polysulfonate solutions. *Journal of Sci Ind Res*. 66: 841-848.
- Vavasori, A; Ronchin, L; Toniolo, L. (2012). Influence of formic acid and water on the [Pd(OAc)₂(dppp)] catalyzed ethene-carbon monoxide copolymerization carried out in aprotic organic solvents. *Appl Catal A-Gen*. 449: 198-202. <http://dx.doi.org/10.1016/j.apcata.2012.10.005>.
- Vedharaj, S; Vallinayagam, R; Yang, WM; Chou, SK; Lee, PS. (2014). Effect of adding 1,4-Dioxane with kapok biodiesel on the characteristics of a diesel engine. *Appl Energ*. 136: 1166-1173. <http://dx.doi.org/10.1016/j.apenergy.2014.04.012>.
- Veerapur, RS; Gudasi, KB; Sairam, M; Shenoy, RV; Netaji, M; Raju, KVS, N; Sreedhar, B; Aminabhavi, TM. (2007). Novel sodium alginate composite membranes prepared by incorporating cobalt(III) complex particles used in pervaporation separation of water-acetic acid mixtures at different temperatures. *Journal of Materials Science*. 42: 4406-4417. <http://dx.doi.org/10.1007/s10853-006-0652-0>.
- Veerapur, RS; Patil, MB; Gudasi, KB; Aminabhavi, TM. (2008). Poly(vinyl alcohol)-zeolite T mixed matrix composite membranes for pervaporation separation of water+1,4-dioxane mixtures. *Separation and Purification Technology*. 58: 377-385. <http://dx.doi.org/10.1016/j.seppur.2007.05.015>.
- Ventura, F; Matia, L; Romero, J; Boleda, MR; Marti, I; Martin, J. (1995). Taste and odor events in barcelona's water supply. *Water Sci Technol*. 31: 63-68.
- Vernon, B; Martinez, A. (2005). Gel strength and solution viscosity of temperature-sensitive, in-situ-gelling polymers for endovascular embolization. *J Biomater Sci Polym Ed*. 16: 1153-1166.
- Vialaneix, C; Senet, JP; Mouloungui, Z; Delmas, M; Gaset, A. (1991). SYNTHESIS AND INSECTICIDAL ACTIVITY OF NEW PROCARBOFURANS. *J Agric Food Chem*. 39: 1521-1526.
- Vieira, I; Sonnier, M; Cresteil, T. (1996). Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. *Eur J Biochem*. 238: 476-483. <http://dx.doi.org/10.1111/j.1432-1033.1996.0476z.x>.
- Vijila, C; Ramalingam, A. (2001). Photophysical characteristics of coumarin 485 dye doped poly(methyl methacrylate) modified with various additives. *J Mater Chem*. 11: 749-755.
- Villanueva, GB; Batt, CW; Brunner, W. (1975). EFFECTS OF DIOXANE ON THROMBIN ACTIVITIES. *Bull NY Acad Med*. 51: 330-330.
- Vinay, KB; Revanasiddappa, HD; Raghu, MS; Abdulrahman, SA; Rajendraprasad, N. (2012). Spectrophotometric Determination of Mycophenolate Mofetil as Its Charge-Transfer Complexes with Two π -Acceptors. 2012: 875942. <http://dx.doi.org/10.1155/2012/875942>.
- Vivas, N; Pianet, I; Bourgeois, G; Vitry, C; Servens, C; Glories, Y. (1998). Characterization of heartwood lignin fractions from *Quercus robur* L. and *Quercus petraea* (Matt) Liebl., the main oak species used for barrel making. *American Journal of Enology and Viticulture*. 49: 49-55.
- Vivekanand, V; Chawade, A; Larsson, M; Larsson, A; Olsson, O. (2014). Identification and qualitative characterization of high and low lignin lines from an oat TILLING population. *Ind Crop Prod*. 59: 1-8. <http://dx.doi.org/10.1016/j.indcrop.2014.04.019>.
- Vyhalkova, R; Müller, AH; Eisenberg, A. (2014). Control of morphology and corona composition in aggregates of mixtures of PS-*b*-PAA and PS-*b*-P4VP diblock copolymers: effects of solvent, water content, and mixture composition. *Langmuir*. 30: 13152-13163. <http://dx.doi.org/10.1021/la5028527>.
- Wagenaar, WJ; Boelhouwers, EJ; Dekok, HAM; Groen, CP; Vanhoutenlaan, CJ; Govers, HAJ; Olie, K; Degerlache, J; Derooij, CG. (1995). A COMPARATIVE-STUDY OF THE PHOTOLYTIC DEGRADATION OF OCTACHLORODIBENZOFURAN (OCDF) AND OCTACHLORODIBENZO-P-DIOXIN (OCDD). *Chemosphere*. 31: 2983-2992.
- Wala-Jerzykiewicz, A; Hreczuch, W; Szymanowski, J. (1999). Toxic contaminants in narrow- and broad-range distributed alcohol ethoxylates. *Tenside Surfactants Detergents*. 36: 122-126.

Fate Literature Search Results

Off Topic

- Wala-Jerzykiewicz, A; Jerzykiewicz, W; Sobczynska, A; Szymanowski, J. (1999). Toxic contaminants in polyoxyethylene alkylamines. *Tenside Surfactants Detergents*. 36: 173-177.
- Walsh, CJ; Mandal, BK. (2000). A novel method for the peripheral modification of phthalocyanines. Synthesis and third-order nonlinear optical absorption of beta-tetrakis (2,3,4,5,6-pentaphenylbenzene)phthalocyanine. *Chem Mater*. 12: 287-+.
- Wang, B; Qiu, T; Li, S. (2010). Liquid-Liquid Equilibrium for the System Water+1,4-Dioxane+2,6-Dimethyloct-7-en-2-ol over the Temperature Range of (343.2 to 358.2) K. *Journal of Chemical and Engineering Data*. 55: 558-560. <http://dx.doi.org/10.1021/je900366m>.
- Wang, BL; Duggleby, RG; Li, ZM; Wang, JG; Li, YH; Wang, SH; Song, HB. (2005). Synthesis, crystal structure and herbicidal activity of mimics of intermediates of the KARI reaction. *Pest Manag Sci*. 61: 407-412. <http://dx.doi.org/10.1002/ps.972>.
- Wang, CW; Sinton, D; Moffitt, MG. (2013). Morphological control via chemical and shear forces in block copolymer self-assembly in the lab-on-chip. *ACS Nano*. 7: 1424-1436. <http://dx.doi.org/10.1021/nn305197m>.
- Wang, F; Jing, X; Zheng, B; Li, G; Zeng, G; Huo, Q; Liu, Y. (2013). Four Cd-Based Metal-Organic Frameworks with Structural Varieties Derived from the Replacement of Organic Linkers. *Cryst Growth Des*. 13: 3522-3527. <http://dx.doi.org/10.1021/cg400486q>.
- Wang, H; Bakheet, B; Yuan, S, hi; Li, X; Yu, G; Murayama, S; Wang, Y. (2015). Kinetics and energy efficiency for the degradation of 1,4-dioxane by electro-peroxone process. *J Hazard Mater*. 294: 90-98. <http://dx.doi.org/10.1016/j.jhazmat.2015.03.058>.
- Wang, H; Liu, S; Zhao, Y; Zhang, H; Wang, J. (2016). Molecular Origin for the Difficulty in Separation of 5-Hydroxymethylfurfural from Imidazolium Based Ionic Liquids. 4: 6712-6721. <http://dx.doi.org/10.1021/acssuschemengh01652>.
- Wang, H; Yuan, S, hi; Zhan, J; Wang, Y; Yu, G; Deng, S; Huang, J, un; Wang, B, in. (2015). Mechanisms of enhanced total organic carbon elimination from oxalic acid solutions by electro-peroxone process. *Water Res*. 80: 20-29. <http://dx.doi.org/10.1016/j.watres.2015.05.024>.
- Wang, J; Heitner, C; Manley, RSJ. (1998). The photodegradation of milled wood lignin. Part III: The effect of time and media. *Journal of Pulp & Paper Science*. 24: 337-340.
- Wang, J; Zhang, M; Zheng, Z, hi; Yu, F; Ji, J. (2013). The indirect conversion of glycerol into 1,3-dihydroxyacetone over magnetic polystyrene nanosphere immobilized TEMPO catalyst. *Chem Eng J*. 229: 234-238. <http://dx.doi.org/10.1016/j.cej.2013.05.113>.
- Wang, J; Zhang, W; Li, W; Xing, W. (2015). Preparation and characterization of chitosan-poly (vinyl alcohol)/polyvinylidene fluoride hollow fiber composite membranes for pervaporation dehydration of isopropanol. *Korean J Chem Eng*. 32: 1369-1376. <http://dx.doi.org/10.1007/s11814-014-0328-4>.
- Wang, K; Jiang, S; Liu, J; Nie, J, un; Yu, Q. (2011). Benzophenone-di-1,3-dioxane as a novel initiator for free radical photopolymerization. *Progr Org Coating*. 72: 517-521. <http://dx.doi.org/10.1016/j.porgcoat.2011.06.011>.
- Wang, K; Ma, G; Yin, R; Nie, J, un; Yu, Q. (2010). Benzophenone-1,3-dioxane as a free radial initiator for photopolymerization. *Mater Chem Phys*. 124: 453-457. <http://dx.doi.org/10.1016/j.matchemphys.2010.06.065>.
- Wang, L, in; Wang, J; Bao, Y; Li, T. (2007). Solubility of irbesartan (form A) in different solvents between 278 K and 323 K. *Journal of Chemical and Engineering Data*. 52: 2016-2017. <http://dx.doi.org/10.1021/je700296x>.
- Wang, L; Zhang, DL; Du, ZP; Wang, GY; Wang, SJ; Cao, Y. (2011). Synthesis and Properties of Lactobionamide-Based Polysiloxane Surfactant. *Tenside Surfactants Detergents*. 48: 281-285.
- Wang, M; Zhang, M; Siegers, C; Scholes, GD; Winnik, MA. (2009). Polymer vesicles as robust scaffolds for the directed assembly of highly crystalline nanocrystals. *Langmuir*. 25: 13703-13711. <http://dx.doi.org/10.1021/la900523s>.
- Wang, S; Li, Q, unS; Lin, X, iuZ; Wang, H, aiRui; Liu, L. (2007). Solubility of 3-nitrophthalic acid in different solvents between 278 K and 353 K. *Journal of Chemical and Engineering Data*. 52: 876-877. <http://dx.doi.org/10.1021/je0604737>.
- Wang, S; Zhang, P; Song, Z; Du, Y; Qu, Y. (2014). Solution thermodynamics of S-ibuprofen n-octyl-d-glucamine salt in ethanol plus water cosolvent mixtures. *Fluid Phase Equilibria*. 372: 69-75. <http://dx.doi.org/10.1016/j.fluid.2014.04.003>.
- Wang, S, hu; Zhang, T; Li, J; Fang, L; Liu, X; Guo, M, in. (2016). Exploration of the Origin of the UV Absorption Performance of Windmill Palm Fiber. *BioResources*. 11: 2607-2616.
- Wang, TT; Lee, SC. (2004). Stearic acid via organometallic phase transfer catalyzed hydrogenation of oleic acid. *Journal of the Chinese Institute of Chemical Engineers*. 35: 179-188.
- Wang, XL; Chen, YY; Wang, YZ. (2010). Synthesis of poly(p-dioxanone) catalyzed by Zn L-lactate under microwave irradiation and its application in ibuprofen delivery. *J Biomater Sci Polym Ed*. 21: 927-936. <http://dx.doi.org/10.1163/156856209X452269>.
- Wang, XL; Yang, KK; Wang, YZ; Wang, DY; Yang, Z. (2004). Crystallization and morphology of a novel biodegradable polymer system: poly(1,4-dioxan-2-one)/starch blends. *Acta Materialia*. 52: 4899-4905. <http://dx.doi.org/10.1016/j.actamat.2004.06.044>.
- Wang, XM; Yasukawa, E; Kasuya, S. (2000). Lithium imide electrolytes with two-oxygen-atom-containing cycloalkane solvents for 4 V lithium metal rechargeable batteries. *J Electrochem Soc*. 147: 2421-2426.
- Wang, XP; Li, N; Wang, WZ. (2001). Pervaporation properties of novel alginate composite membranes for dehydration of organic solvents. *J Memb Sci*. 193: 85-95.
- Wang, Z; Cao, Y; Song, J; Xie, Z; Wang, Y. (2016). Cooperation of Amphiphilicity and Crystallization for Regulating the Self-Assembly of Poly(ethylene glycol)-block-poly(lactic acid) Copolymers. *Langmuir*. 32: 9633-9639. <http://dx.doi.org/10.1021/acs.langmuir.6b02211>.
- Ward, JM; Uno, H; Kurata, Y; Weghorst, CM; Jang, JJ. (1993). Cell-proliferation not associated with carcinogenesis in rodents and humans [Review]. *Environ Health Perspect*. 101: 125-135. <http://dx.doi.org/10.2307/3431855>.
- Warth, V; Stef, N; Glaude, PA; Battin-Leclerc, F; Scacchi, G; Come, GM. (1998). Computer-aided derivation of gas-phase oxidation mechanisms: Application to the modeling of the oxidation of n-butane. *Combust Flame*. 114: 81-102.
- Watanabe, J; Hayashi, S; Kawajiri, K. (1994). Different regulation and expression of the human CYP2E1 gene due to the RsaI polymorphism in the 5'-flanking region. *J Biochem*. 116: 321-326.

Fate Literature Search Results

Off Topic

- Waxman, DJ; Pampori, NA; Ram, PA; Agrawal, AK; Shapiro, BH. (1991). Interpulse interval in circulating growth hormone patterns regulates sexually dimorphic expression of hepatic cytochrome P450. *Proc Natl Acad Sci USA*. 88: 6868-6872.
- Wei, G; Ma, PX. (2004). Structure and properties of nano-hydroxyapatite/polymer composite scaffolds for bone tissue engineering. *Biomaterials*. 25: 4749-4757. <http://dx.doi.org/10.1016/j.biomaterials.2003.12.005>.
- Wesslein, M; Heintz, A; Lichtenthaler, RN. (1990). PERVAPORATION OF LIQUID-MIXTURES THROUGH POLY(VINYL ALCOHOL) (PVA) MEMBRANES .2. THE BINARY-SYSTEMS METHANOL 1-PROPANOL AND METHANOL DIOXANE AND THE TERNARY-SYSTEM WATER-METHANOL 1-PROPANOL. *J Memb Sci*. 51: 181-188.
- Whited, BM; Goldstein, AS; Skrtic, D; Love, BJ. (2006). Fabrication and characterization of poly(DL-lactic-co-glycolic acid)/zirconia-hybridized amorphous calcium phosphate composites. *J Biomater Sci Polym Ed*. 17: 403-418.
- Wielgus, M; Michalska, J; Samoc, M; Bartkowiak, W. (2015). Two-photon solvatochromism III: Experimental study of the solvent effects on two-photon absorption spectrum of p-nitroaniline. *Dyes and Pigments*. 113: 426-434. <http://dx.doi.org/10.1016/j.dyepig.2014.09.009>.
- Wiemann, C; Enzmann, H; Löser, E; Schlüter, G. (1999). Nonlinearity of nuclear enlargement in hepatocytes induced by the carcinogen N¹-nitrosomorpholine in Ovo. *Cancer Detect Prev*. 23: 485-495.
- Winzer, A; Meisser, J. (1995). RADIOCHEMICAL STUDIES OF THE INFLUENCE OF PHOTOGRAPHICALLY ACTIVE SUBSTANCES ON THE KINETICS OF THE MASS-TRANSFER AT SILVER-HALIDE CRYSTALS .12. THE INFLUENCE OF ORGANIC-SOLVENTS. 22: 225-238.
- Wolfe, NL; Jeffers, PM. (2000). Hydrolysis. In RS Boethling; D Mackay (Eds.), (pp. 311-333). Boca Raton, FL: Lewis Publishers. <http://dx.doi.org/10.1201/9781420026283.ch13>.
- Wolfe, PS; Lochee, Y; Jhurry, D; Bhaw-Luximon, A; Bowlin, GL. (2011). Characterization of Electrospun Novel Poly(ester-ether) Copolymers: 1,4-Dioxan-2-one and D,L-3-Methyl-1,4-dioxan-2-one. *Journal of Engineered Fabrics and Fibers*. 6: 60-69.
- Wolford, ST; Schroer, RA; Gohs, FX; Gallo, PP; Brodeck, M; Falk, HB; Ruhren, R. (1986). Reference range data base for serum chemistry and hematology values in laboratory animals. *J Toxicol Environ Health A*. 18: 161-188. <http://dx.doi.org/10.1080/15287398609530859>.
- Wong, BM; Lacina, D; Nielsen, IM; Graetz, J; Allendorf, MD. (2011). Thermochemistry of Alane Complexes for Hydrogen Storage: A Theoretical and Experimental Investigation. *J Phys Chem C*. 115: 7778-7786. <http://dx.doi.org/10.1021/jp112258s>.
- Wright, PJ; Wallis, AFA. (1998). Rapid determination of cellulose in plantation eucalypt woods to predict kraft pulp yields. *Tappi Journal*. 81: 126-130.
- Wroblewski, AE; Verkade, JG. (1992). MOISTURE RELEASE FROM ARGONNE PREMIUM COAL SAMPLES - A QUANTITATIVE P-31 NMR SPECTROSCOPIC STUDY. *Energy Fuels*. 6: 331-335.
- Wu, J; Low, PF; Roth, CB. (1994). EFFECT OF 1,4-DIOXANE ON THE EXPANSION OF MONTMORILLONITE LAYERS IN MONTMORILLONITE WATER-SYSTEMS. *Clays and Clay Minerals*. 42: 109-113.
- Wu, M, in; Li, CL; Zhang, J, in; Miao, C, cun; Zheng, YP; Sun, Y, ueM. (2012). ZrO₂-MoO₃ for the Acetalization of 1,3-Propanediol from Dilute Solutions. *Ind Eng Chem Res*. 51: 6304-6309. <http://dx.doi.org/10.1021/ie202370q>.
- Wu, M; Ni, JB; Yang, ZH; Li, CL; Bu, CF; Sun, YM. (2010). Preparation of Zirconia Promoted Sulfated Titania System with High Catalytic Activity. *Chem Eng Tech*. 33: 2044-2050. <http://dx.doi.org/10.1002/ceat.201000206>.
- Wu, P, anPan; Zhao, DM, ei; Li, L, iXia; Wang, H, aiSu; Liu, G, uoD. (2013). Preparation of Blends of Poly(methyl methacrylate) Copolymers With High Glass Transition Temperatures and Low Hydrophilicity. *Polymer Engineering and Science*. 53: 2370-2377. <http://dx.doi.org/10.1002/pen.23502>.
- Wu, Y, iC; Huang, HP; Chien, IL. (2014). Investigation of the Energy-Saving Design of an Industrial 1,4-Dioxane Dehydration Process with Light Feed Impurity. *Ind Eng Chem Res*. 53: 15667-15685. <http://dx.doi.org/10.1021/ie501831>.
- Wu, Z; Chen, H; Liu, X; Zhang, Y; Li, D; Huang, H. (2009). Protein adsorption on poly(N-vinylpyrrolidone)-modified silicon surfaces prepared by surface-initiated atom transfer radical polymerization. *Langmuir*. 25: 2900-2906. <http://dx.doi.org/10.1021/la8037523>.
- Wu, ZH; Tanaka, H. (1996). Amidations of rosin with isocyanates. *Kyushu University Faculty of Agriculture Journal*. 41: 83-89.
- Xia, C; Liu, Y; Zhou, S; Yang, C; Liu, S; Xu, J, ie; Yu, J; Chen, J; Liang, X. (2009). The Pd-catalyzed hydrodechlorination of chlorophenols in aqueous solutions under mild conditions: A promising approach to practical use in wastewater. *J Hazard Mater*. 169: 1029-1033. <http://dx.doi.org/10.1016/j.jhazmat.2009.04.043>.
- Xiao, Z; Jia, Y; Haoran, L; Shijun, H. (2007). Prediction of vapor-liquid equilibrium data from C-H band shift of IR spectra in some binary systems. *Chinese Journal of Chemical Engineering*. 15: 97-101.
- Xiong, F; Zhou, L; Qian, L; Liu, S. (2015). Effects of Pretreatment Methods Using Various 1,4-Dioxane Concentrations on the Performance of Lignocellulosic Films of Eucalyptus citriodora. *BioResources*. 10: 1149-1161.
- Xu, F; Jiang, JX; Sun, R; Tang, JN; Sun, J; Su, Y. (2008). Fractional isolation and structural characterization of mild ball-milled lignin in high yield and purity from *Eucommia ulmoides* Oliv. *Wood Science and Technology*. 42: 211-226. <http://dx.doi.org/10.1007/s00226-007-0162-5>.
- Xu, F; Sun, R, unC; Zhai, M, eiZhi; Sun, J, inXia; She, D; Geng, ZC; Lu, Q, i. (2008). Fractional separation of hemicelluloses and lignin in high yield and purity from mild ball-milled *Periploca sepium*. *Separation Science and Technology*. 43: 3351-3375. <http://dx.doi.org/10.1080/01496390802063721>.
- Xu, J, iKun; Sun, YC; Xu, F; Sun, R, unC. (2013). Characterization of Hemicelluloses Obtained from Partially Delignified Eucalyptus Using Ionic Liquid Pretreatment. *BioResources*. 8: 1946-1962.
- Xu, J; Zheng, H; Liu, H; Zhou, C; Zhao, Y; Li, Y; Li, Y. (2010). Crystal Hierarchical Supramolecular Architectures from 1-D Precursor Single-Crystal Seeds. *J Phys Chem C*. 114: 2925-2931. <http://dx.doi.org/10.1021/jp911595m>.
- Xu, K; Chanthad, C; Hickner, MA; Wang, Q. (2010). Highly selective proton conductive networks based on chain-end functionalized polymers with perfluorosulfonate side groups. *J Mater Chem*. 20: 6291-6298. <http://dx.doi.org/10.1039/c000044b>.

Fate Literature Search Results

Off Topic

- Xu, M; Li, Y; Suo, H; Yan, Y; Liu, L; Wang, Q; Ge, Y; Xu, Y. (2010). Fabricating a pearl/PLGA composite scaffold by the low-temperature deposition manufacturing technique for bone tissue engineering. *Biofabrication*. 2: 025002. <http://dx.doi.org/10.1088/1758-5082/2/2/025002>.
- Xu, RJ; Leonard, J; Bui, VT. (1996). Vapor pressure for mixtures of methylene ester oligomers with p-dioxane and chloroform. *Journal of Chemical and Engineering Data*. 41: 681-684.
- Xue, L; Han, Y. (2009). Autophobic dewetting of a poly(methyl methacrylate) thin film on a silicon wafer treated in good solvent vapor. *Langmuir*. 25: 5135-5140. <http://dx.doi.org/10.1021/la8041814>.
- Yadav, DJS; Singh, KC; Sharma, VK. (2008). Molar excess volumes and excess isentropic compressibilities of ternary mixtures of o-toluidine. *Journal of Chemical and Engineering Data*. 53: 1935-1939. <http://dx.doi.org/10.1021/je800100m>.
- Yadav, GD; Hude, MP; Talpade, AD. (2015). Microwave assisted process intensification of lipase catalyzed transesterification of 1,2 propanediol with dimethyl carbonate for the green synthesis of propylene carbonate: Novelities of kinetics and mechanism of consecutive reactions. *Chem Eng J*. 281: 199-208. <http://dx.doi.org/10.1016/j.cej.2015.06.036>.
- Yadav, GD; Jadhav, SR. (2005). Synthesis of reusable lipases by immobilization on hexagonal mesoporous silica and encapsulation in calcium alginate: Transesterification in non-aqueous medium. *Microporous and Mesoporous Materials*. 86: 215-222. <http://dx.doi.org/10.1016/j.micromeso.2005.07.018>.
- Yadav, M; Singh, SK; Sharma, JK; Yadav, KDS. (2011). Oxidation of polyaromatic hydrocarbons in systems containing water miscible organic solvents by the lignin peroxidase of *Gleophyllum striatum* MTCC-1117. *Environ Technol*. 32: 1287-1294. <http://dx.doi.org/10.1080/09593330.2010.535177>.
- Yager, BJ; Doerr, KW. (1970). DETERMINATION OF RELATIVE ACTIVITY OF METHYL ACETATE IN AQUEOUS DIOXANE BY VAPOR PHASE CHROMATOGRAPHY. *Tex J Sci*. 21: 334-&.
- Yager, BJ; Doerr, KW. (1972). RELATIVE ACTIVITY OF METHYL ACETATE IN AQUEOUS-DIOXANE SOLUTIONS. *Tex J Sci*. 24: 13-&.
- Yager, BJ; KUNTSCHI.LF. (1971). RELATIVE ACTIVITY COEFFICIENTS OF SODIUM HYDROXIDE IN DIOXANE-WATER SOLVENT MIXTURES. *Tex J Sci*. 23: 211-&.
- Yaginuma, R; Moriya, S; Sato, Y; Kodama, D; Tanaka, H; Kato, M. (2001). Homogenizing effect of ethers added to immiscible methanol/oil binary mixtures. 44: 401-406.
- Yaginuma, R; Moriya, S; Sato, Y; Sako, T; Kodama, D; Tanaka, H; Kato, M. (1999). Homogenizing effect of addition of ethers to immiscible binary fuels of ethanol and oil. 42: 173-177.
- Yalcin, M; Mutluay, H; Cankurtaran, H. (1998). Determination of the protonation constants of 2-[4-dimethylaminocinnamylamino] benzoic acid (DACAB) in dioxane - Water medium and preparation of some of its transition metal complexes. *Turkish Journal of Chemistry*. 22: 209-214.
- Yamamoto, A; Matsumoto, M; Hinoue, T; Mizobe, Y; Hisaki, I; Miyata, M; Tohna, N. (2009). Reversible transformation and fluorescence modulation in polymorphic crystals of n-butylammonium 2-naphthalenesulfonate. *Synthetic Metals*. 159: 905-909. <http://dx.doi.org/10.1016/j.synthmet.2009.01.062>.
- Yamamura, T; Shirasaki, K; Shiokawa, Y; Nakamura, Y; Kim, SY. (2004). Characterization of tetraketone ligands for active materials of all-uranium redox flow battery. *J Alloy Comp*. 374: 349-353. <http://dx.doi.org/10.1016/j.jallcom.2003.11.117>.
- Yanagida, S; Nakajima, A; Kameshima, Y; Okada, K. (2008). Voltage swing interval effects on photocatalytic decomposition of 1,4-dioxane in aqueous media using TiO₂-coated stainless mesh. *Ceramic Society of Japan Journal*. 116: 181-186.
- Yanagishita, H; Maejima, C; Kitamoto, D; Nakane, T. (1994). PREPARATION OF ASYMMETRIC POLYIMIDE MEMBRANE FOR WATER-ETHANOL SEPARATION IN PERVAPORATION BY THE PHASE INVERSION PROCESS. *J Memb Sci*. 86: 231-240.
- Yang, D; Fu, L, ei; Shi, D; Li, J; Zhang, Q, i. (2016). Solubility of 3,7,9,11-Tetraoxo-2,4,6,8,10-pentaaza[3.3.3] Propellane (TOPAP) in Different Pure Solvents at Temperatures between 273.15 and 318.15 K. *Journal of Chemical and Engineering Data*. 61: 3277-3285. <http://dx.doi.org/10.1021/acs.jced.6b00349>.
- Yang, F; Qu, X; Cui, W; Bei, J; Yu, F; Lu, S; Wang, S. (2006). Manufacturing and morphology structure of polylactide-type microtubules orientation-structured scaffolds. *Biomaterials*. 27: 4923-4933. <http://dx.doi.org/10.1016/j.biomaterials.2006.05.028>.
- Yang, J; Piñol, R; Gubellini, F; Lévy, D; Albouy, PA; Keller, P; Li, MH. (2006). Formation of polymer vesicles by liquid crystal amphiphilic block copolymers. *Langmuir*. 22: 7907-7911. <http://dx.doi.org/10.1021/la061436g>.
- Yang, JH; Asaeda, M. (2003). Permeation mechanism of water through microporous SiO₂-ZrO₂ membranes for separation of aqueous solutions of organic solvents by pervaporation. *Separation and Purification Technology*. 32: 29-36. [http://dx.doi.org/10.1016/S1383-5866\(03\)00038-8](http://dx.doi.org/10.1016/S1383-5866(03)00038-8).
- Yang, KK; Wang, XL; Wang, YZ; Huang, HX. (2004). Effects of molecular weights of poly(p-dioxanone) on its thermal, rheological and mechanical properties and in vitro degradability. *Mater Chem Phys*. 87: 218-221. <http://dx.doi.org/10.1016/j.matchemphys.2004.05.038>.
- Yang, LM; Kang, Y; Wang, YL; Xu, LW; Kita, H; Okamoto, K. (2005). Synthesis of crown ether-containing copolyimides and their pervaporation properties to benzene/cyclohexane mixtures. *J Memb Sci*. 249: 33-39. <http://dx.doi.org/10.1016/j.memsci.2004.08.029>.
- Yang, Q; Takeuchi, M; Saito, T; Isogai, A. (2014). Formation of nanosized islands of dialkyl β-ketoester bonds for efficient hydrophobization of a cellulose film surface. *Langmuir*. 30: 8109-8118. <http://dx.doi.org/10.1021/la501706t>.
- Yang, Y, an; Duan, P, eiGao; Wang, YY; Dai, L, iYi. (2008). Additives assisted catalytic cyclo-dehydration of diethylene glycol in near-critical water. *Chemical Engineering and Processing: Process Intensification*. 47: 2402-2407. <http://dx.doi.org/10.1016/j.cep.2007.12.011>.
- Yang, Y; Nakazawa, M; Suzuki, M; Shirai, H; Hanabusa, K. (2007). Fabrication of helical hybrid silica bundles. *J Mater Chem*. 17: 2936-2943. <http://dx.doi.org/10.1039/b700615b>.
- Yangali-Quintanilla, V; Maeng, SK, yu; Fujioka, T; Kennedy, M; Amy, G. (2010). Proposing nanofiltration as acceptable barrier for organic contaminants in water reuse. *J Memb Sci*. 362: 334-345. <http://dx.doi.org/10.1016/j.memsci.2010.06.058>.

Fate Literature Search Results

Off Topic

- Yao, Y; Lv, Z; Min, H; Lv, Z; Jiao, H. (2009). Isolation, identification and characterization of a novel *Rhodococcus* sp. strain in biodegradation of tetrahydrofuran and its medium optimization using sequential statistics-based experimental designs. *Bioresour Technol.* 100: 2762-2769. <http://dx.doi.org/10.1016/j.biortech.2009.01.006>.
- Yao, YG; Yoshioka, M; Shiraishi, N. (1994). SOLUBLE PROPERTIES OF LIQUEFIED BIOMASS PREPARED IN ORGANIC-SOLVENTS .1. THE SOLUBLE BEHAVIOR OF LIQUEFIED BIOMASS IN VARIOUS DILUENTS. 40: 176-184.
- Yashima, T; Katoh, Y; Komatsu, T. (1999). Synthesis of 3-methyl-3-butene-1-ol from isobutene and formaldehyde on FeMCM-22 zeolites. *Stud Surf Sci Catal.* 125: 507-514.
- Yasuda, H; Tochigi, K; Miyano, Y; Noritomi, H; Hoshino, D; Shibata, R; Kato, S. (2009). Physical Properties of Tetrahydropyran and Its Applications. 16: 127-131.
- Yasuhara, A; Shiraishi, H; Nishikawa, M; Yamamoto, T; Uehiro, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Ono, Y; Kawagoshi, Y; Baba, K; Noma, Y. (1997). Determination of organic components in leachates from hazardous waste disposal sites in Japan by gas chromatography-mass spectrometry. *J Chromatogr A.* 774: 321-332. [http://dx.doi.org/10.1016/S0021-9673\(97\)00078-2](http://dx.doi.org/10.1016/S0021-9673(97)00078-2).
- Yasuhara, A; Tanaka, Y; Tanabe, A; Kawata, K; Katami, T. (2003). Elution of 1,4-dioxane from waste landfill sites. *Bull Environ Contam Toxicol.* 71: 641-647. <http://dx.doi.org/10.1007/s00128-003-8917-7>.
- Yasui, K, ei; Isobe, T; Matsushita, S; Nakajima, A. (2013). Preparation and photocatalytic activity of porous spherical TiO₂ particles comprised of H3PW12O₄₀ in hydrophobic nanopores. *Journal of Materials Science.* 48: 2290-2298. <http://dx.doi.org/10.1007/s10853-012-7007-9>.
- Ye, Y; Liu, Y; Chang, J, ie. (2014). Application of Solubility Parameter Theory to Organosolv Extraction of Lignin from Enzymatically Hydrolyzed Cornstalks. *BioResources.* 9: 3417-3427.
- Yearla, SR, ao; Padmasree, K. (2016). Preparation and characterisation of lignin nanoparticles: evaluation of their potential as antioxidants and UV protectants. *Journal of Experimental Nanoscience.* 11: 289-302. <http://dx.doi.org/10.1080/17458080.2015.1055842>.
- Yeh, CT; Tu, CH. (2007). Densities, viscosities, refractive indexes, and surface tensions for binary mixtures of 2-propanol plus benzyl alcohol, plus 2-phenylethanol and benzyl alcohol plus 2-phenylethanol at T equals (298.15, 308.15, and 318.15) K. *Journal of Chemical and Engineering Data.* 52: 1760-1767. <http://dx.doi.org/10.1021/je700140j>.
- Yen, C, hi; He, H; Lee, LJ; Ho, WSW. (2009). Synthesis and characterization of nanoporous polycaprolactone membranes via thermally- and nonsolvent-induced phase separations for biomedical device application. *J Memb Sci.* 343: 180-188. <http://dx.doi.org/10.1016/j.memsci.2009.07.024>.
- Yigit, D; Gungor, T; Gullu, M. (2013). Poly(thieno[3,4-b][1,4] dioxine) and poly([1,4] dioxino[2,3-c] pyrrole) derivatives: p-and n-dopable redox-active electrode materials for solid state supercapacitor applications. *Organic Electronics.* 14: 3249-3259. <http://dx.doi.org/10.1016/j.orgel.2013.09.037>.
- Yin, G; Ma, Y; Xiong, Y, ao; Cao, X; Li, Y; Chen, L. (2016). Enhanced AIE and different stimuli-responses in red fluorescent (1,3-dimethyl)barbituric acid-functionalized anthracenes. 4: 751-757. <http://dx.doi.org/10.1039/c5tc03629a>.
- Yin, R; Zhang, N; Wu, W; Wang, K. (2016). Poly(ethylene glycol)-grafted cyclic acetals based polymer networks with non-water-swellaible, biodegradable and surface hydrophilic properties. *Mater Sci Eng C.* 62: 137-143. <http://dx.doi.org/10.1016/j.msec.2016.01.038>.
- Yokoyama, T. (2015). REVISITING THE MECHANISM OF beta-O-4 BOND CLEAVAGE DURING ACIDOLYSIS OF LIGNIN. PART 6: A REVIEW. *Journal of Wood Chemistry and Technology.* 35: 27-42. <http://dx.doi.org/10.1080/02773813.2014.881375>.
- Yokoyama, T; Matsumoto, Y. (2008). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin. Part 1: Kinetics of the formation of enol ether from non-phenolic C-6-C-2 type model compounds. *Holzforschung.* 62: 164-168. <http://dx.doi.org/10.1515/HF2008.037>.
- Yokoyama, T; Matsumoto, Y. (2010). Revisiting the Mechanism of beta-O-4 Bond Cleavage during Acidolysis of Lignin. Part 2: Detailed Reaction Mechanism of a Non-Phenolic C-6-C-2 Type Model Compound. *Journal of Wood Chemistry and Technology.* 30: 269-282. <http://dx.doi.org/10.1080/02773811003675288>.
- Yosef, E; Benghedalia, D. (1994). EFFECT OF ISOLATION PROCEDURE ON MOLECULAR-WEIGHT DISTRIBUTION AND MONOSACCHARIDE COMPOSITION OF COTTON STALK LIGNINS. *Anim Feed Sci Technol.* 50: 27-35.
- Yoshida, S; Tanahashi, M; Shigematsu, M; Shinoda, Y. (1994). EFFECT OF REACTION MEDIUM ON DEHYDROGENATIVE POLYMERIZATION OF SINAPYL ALCOHOL. 40: 974-979.
- Yoshida, Y; Tomita, B; Hse, CY. (1995). KINETICS ON COCONDENSATION BETWEEN PHENOL AND UREA THROUGH FORMALDEHYDE .3. CONCURRENT REACTIONS OF MONOMETHYLOLPHENOL AND UREA INVOLVING COCONDENSATION AND SELF-CODENSATION. 41: 652-658.
- Yoshimura, S; Kiriya, D; Kurata, T. (2014). Carbonyl-ene Reaction of Styrene Derivatives Catalyzed by H-beta Zeolite in Water. *J Jpn Petrol Inst.* 57: 84-87.
- Yoshino, N; Hamano, K; Omiya, Y; Kondo, Y; Ito, A; Abe, M. (1995). SYNTHESSES OF HYBRID ANIONIC SURFACTANTS CONTAINING FLUOROCARBON AND HYDROCARBON CHAINS. *Langmuir.* 11: 466-469.
- Yoshioka, Y; Asao, K; Yamamoto, K; Tachi, H. (2007). New method for fabricating aromatic polyamide particles with a narrow particle size distribution. *Macromolecular Reaction Engineering.* 1: 222-228. <http://dx.doi.org/10.1002/mren.200600019>.
- You, I; Lee, T; Nam, YS; Lee, H. (2014). Fabrication of a Micro-omnifluidic Device by Omniphilic/Omniphobic Patterning on Nanostructured Surfaces. *ACS Nano.* 8: 9016-9024. <http://dx.doi.org/10.1021/nn502226v>.
- You, Y; Gao, T; Qiu, F; Wang, Y; Chen, X; Jia, W; Li, R. (2013). Solubility Measurement and Modeling for 2-Benzoyl-3-chlorobenzoic Acid and 1-Chloroanthraquinone in Organic Solvents. *Journal of Chemical and Engineering Data.* 58: 1845-1852. <http://dx.doi.org/10.1021/je400246s>.

Fate Literature Search Results

Off Topic

- Youn, NK; Heo, JE; Joo, OS; Lee, H; Kim, J; Min, BK. (2010). The effect of dissolved oxygen on the 1,4-dioxane degradation with TiO₂ and Au-TiO₂ photocatalysts. *J Hazard Mater.* 177: 216-221. <http://dx.doi.org/10.1016/j.jhazmat.2009.12.020>.
- Young, JD; Braun, WH; Gehring, PJ. (1978). The dose-dependent fate of 1,4-dioxane in rats. *J Environ Pathol Toxicol.* 2: 263-282.
- Yu, J, inWon; Choi, YM, un; Jung, J, in; You, N, amHo; Lee, DS, u; Lee, J, aeK; Goh, M. (2016). Highly microporous carbon materials synthesized from fluorine-containing poly(amic acid) adsorbed in polystyrene cryogel template. *Synthetic Metals.* 211: 35-39. <http://dx.doi.org/10.1016/j.synthmet.2015.11.009>.
- Yu, L; Yuan, SL; Hu, XG; Lin, RS. (2006). Studies on the interactions between some alpha-amino acids with a non-polar side chain and two saturated cyclic ethers at 298.15 K: enthalpic measurement and computer simulation. *Chem Eng Sci.* 61: 794-801. <http://dx.doi.org/10.1016/j.ces.2005.08.008>.
- Yu, YY, en; Tsai, CL. (2013). An approach to hybrid inorganic nanoparticles in reactive PS-b-PMSMA amphiphilic copolymers. *Curr Appl Phys.* 13: 1128-1136. <http://dx.doi.org/10.1016/j.cap.2013.03.003>.
- Yuan, J; Lu, Y, an; Schacher, F; Lunkenbein, T; Weiss, S; Schmalz, H; Mueller, AHE. (2009). Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Bishydrophilic Cylindrical Polymer Brushes. *Chem Mater.* 21: 4146-4154. <http://dx.doi.org/10.1021/cm900032m>.
- Yuan, L; Jia, GK; Li, ZY; Zhang, M; Yuan, XY. (2016). Properties and Applications of Sodium (5-methyl-2-alkyl-1,3-dioxane-5-yl)-Carboxylate Synthesized with Nanosolid Supercid. *J Nanosci Nanotechnol.* 16: 1085-1089. <http://dx.doi.org/10.1166/jnn.2016.10628>.
- Yuan, L, in; Li, ZY, an; Zhang, XY, u; Li, W, enYi; Zhang, M, in; Yuan, XY, ou. (2015). Crystal Structure and Antibacterial Activity of (E)-(5-ethyl-2-styryl-1,3-dioxan-5-yl) Methanol Synthesized with Nanosolid Supercid. *J Nanosci Nanotechnol.* 15: 9887-9891. <http://dx.doi.org/10.1166/jnn.2015.10506>.
- Yuan, Y; Chen, H. (2013). Controlling and tuning the dispersion properties of calcined kaolinite particles in various organic solvents via stepwise modification method using 3-glycidoxypropyltrimethoxysilane and dodecylamine. *Appl Surf Sci.* 277: 281-287. <http://dx.doi.org/10.1016/j.apsusc.2013.04.047>.
- Yue, F; Lan, W, u; Hu, S; Chen, K, eli; Lu, F. (2016). Structural Modifications of Sugarcane Bagasse Lignins during Wet-Storage and Soda-Oxygen Pulping. 4: 5311-5318. <http://dx.doi.org/10.1021/acssuschemeng.6b00726>.
- Yufit, DS; Shishkin, OV; Zubatyuk, RI; Howard, JAK. (2014). Trimethyltrioxane (Paraldehyde) and Its Halomethanes Complexes: Crystallization, Structures, and Analysis of Packing Motifs. *Cryst Growth Des.* 14: 4303-4309. <http://dx.doi.org/10.1021/cg500354t>.
- Yumnam, S; Rajkumari, L. (2009). Thermodynamics of the Complexation of N-(Pyridin-2-ylmethylene) Isonicotinohydrazide with Lighter Lanthanides. *Journal of Chemical and Engineering Data.* 54: 28-34. <http://dx.doi.org/10.1021/je8003904>.
- Zada, A; Avny, Y; Zilkha, A. (2001). Simplified synthesis of oligoethylene glycols. *Journal of Surfactants and Detergents.* 4: 163-166.
- Zahid, NI; Abou-Zied, OK; Hashim, R; Heidelberg, T. (2011). Characterization of the Head Group and the Hydrophobic Regions of a Glycolipid Lyotropic Hexagonal Phase Using Fluorescent Probes. *J Phys Chem C.* 115: 19805-19810. <http://dx.doi.org/10.1021/jp2060393>.
- Zare-Mehrjardi, N; Khorasani, MT; Hemmesi, K; Mirzadeh, H; Azizi, H; Sadatnia, B; Hatami, M; Kiani, S; Barzin, J; Baharvand, H. (2011). Differentiation of embryonic stem cells into neural cells on 3D poly (D, L-lactic acid) scaffolds versus 2D cultures. *Int J Artif Organs.* 34: 1012-1023. <http://dx.doi.org/10.5301/ijao.5000002>.
- Zelano, V; Roletto, E; Vanni, A. (1983). POTENTIOMETRIC STUDY OF COPPER(II) COMPLEXES OF L-LEUCINE IN WATER-DIOXANE MIXTURES. *Ann Chim.* 73: 113-121.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2002). Modeling cometabolism of cyclic ethers. *Environ Eng Sci.* 19: 215-228.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2003). Occurrence and treatment of 1,4-dioxane in aqueous environments. *Environ Eng Sci.* 20: 423-432.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2004). Biodegradation of 1,4-dioxane using trickling filter. *J Environ Eng.* 130: 926-931. [http://dx.doi.org/10.1061/\(ASCE\)0733-9372\(2004\)130:9\(926\)](http://dx.doi.org/10.1061/(ASCE)0733-9372(2004)130:9(926)).
- Zhai, L, u; Liu, M; Xue, P; Sun, J; Gong, P; Zhang, Z; Sun, J; Lu, R, an. (2016). Nanofibers generated from nonclassical organogelators based on difluoroboron beta-diketonate complexes to detect aliphatic primary amine vapors. 4: 7939-7947. <http://dx.doi.org/10.1039/c6tc01790h>.
- Zhang, A, iP; Liu, CF, u; Sun, R. (2010). Fractional isolation and characterization of lignin and hemicelluloses from Triploid of *Populus tomentosa* Carr. *Ind Crop Prod.* 31: 357-362. <http://dx.doi.org/10.1016/j.indcrop.2009.12.003>.
- Zhang, A, iP; Liu, CF, u; Sun, R, unC; Xie, J, un. (2013). Extraction, Purification, and Characterization of Lignin Fractions from Sugarcane Bagasse. *BioResources.* 8: 1604-1614.
- Zhang, A; Lu, F; Liu, C; Sun, RC. (2010). Isolation and characterization of lignins from *Eucalyptus tereticornis* (12ABL). *J Agric Food Chem.* 58: 11287-11293. <http://dx.doi.org/10.1021/jf103354x>.
- Zhang, H; Sun, B; Chen, Y; Wang, J. (2011). Synthesis of Y-Shaped Poly(N,N-dimethylamino-2-ethyl methacrylate) and Poly(trimethylene carbonate) from a New Heterofunctional Initiator. *Polymer Engineering and Science.* 51: 776-784. <http://dx.doi.org/10.1002/pen.21883>.
- Zhang, J; Lin, W; Liu, A; Yu, Z; Wan, X; Liang, D; Zhou, Q. (2008). Solvent effect on the aggregation behavior of rod-coil diblock copolymers. *Langmuir.* 24: 3780-3786. <http://dx.doi.org/10.1021/la703888m>.
- Zhang, JT; Nie, J; Ji, GZ; Jiang, XK. (1994). METHODOLOGY FOR MEASURING THE CRITICAL AGGREGATE CONCENTRATION OF NONPROBE MOLECULES. *Langmuir.* 10: 2814-2816.
- Zhang, L; Fang, W; Jiang, J. (2011). Effects of Residual Solvent on Membrane Structure and Gas Permeation in a Polymer of Intrinsic Microporosity: Insight from Atomistic Simulation. *J Phys Chem C.* 115: 11233-11239. <http://dx.doi.org/10.1021/jp2029888>.
- Zhang, S; Gedalanga, PB; Mahendra, S. (2016). Biodegradation Kinetics of 1,4-Dioxane in Chlorinated Solvent Mixtures. *Environ Sci Technol.* 50: 9599-9607. <http://dx.doi.org/10.1021/acs.est.6b02797>.

Fate Literature Search Results

Off Topic

- Zhang, S; Zhang, Y, u; Liu, J; Zhang, C; Gu, N; Li, F. (2008). Preparation of anti-sperm protein 17 immunomagnetic nanoparticles for targeting cell. *J Nanosci Nanotechnol.* 8: 2341-2346. <http://dx.doi.org/10.1166/jnn.2008.084>.
- Zhang, Y; Jiang, M; Han, GC; Zhao, K, e; Tang, B, enZ; Wong, K, amS. (2015). Solvent Effect and Two-Photon Optical Properties of Triphenylamine-Based Donor-Acceptor Fluorophores. *J Phys Chem C.* 119: 27630-27638. <http://dx.doi.org/10.1021/acs.jpcc.5b06762>.
- Zhang, Y, u; Wang, H, uiHui; Wei, S; Liu, J, inQ; Wang, W. (2015). Determination and Correlation of Solubilities of 2-Isopropylthioxanthone (ITX) in Seven Different Solvents from (299.15 to 329.85) K. *Journal of Chemical and Engineering Data.* 60: 941-946. <http://dx.doi.org/10.1021/je501011t>.
- Zhang, YM; Yang, Z, iXin; Chen, Y; Ding, F, ei; Liu, Y, u. (2012). Molecular Binding and Assembly Behavior of beta-Cyclodextrin with Piperazine and 1,4-Dioxane in Aqueous Solution and Solid State. *Cryst Growth Des.* 12: 1370-1377. <http://dx.doi.org/10.1021/cg201446x>.
- Zhang, Z; Xiang, S; Zheng, Q; Rao, X; Mondal, JU; Arman, HD; Qian, G; Chen, B. (2010). A Rare Uninodal 9-Connected Metal-Organic Framework with Permanent Porosity. *Cryst Growth Des.* 10: 2372-2375. <http://dx.doi.org/10.1021/cg100183y>.
- Zhao, H; Wang, T; Zhao, X; Liu, Y, u; Hao, J. (2013). Synthesis and Properties of Poly(d,L-lactide-co-p-dioxanone) Random and Segmented Copolymers. *Journal of Polymers and the Environment.* 21: 405-414. <http://dx.doi.org/10.1007/s10924-012-0526-2>.
- Zhao, HK, un; Ji, H, aiZhe; Meng, XC; Li, RR. (2009). Solubility of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Organic Solvents and Solubility of 3-Chlorophthalic Acid and 4-Chlorophthalic Acid in Water from (283.15 to 333.15) K. *Journal of Chemical and Engineering Data.* 54: 1135-1137. <http://dx.doi.org/10.1021/je800869g>.
- Zhao, L; Hou, H; Fujii, A; Hosomi, M; Li, F. (2014). Degradation of 1,4-dioxane in water with heat- and Fe²⁺-activated persulfate oxidation. *Environ Sci Pollut Res Int.* 21: 7457-7465. <http://dx.doi.org/10.1007/s11356-014-2668-3>.
- Zhao, PS; Song, J; Zhou, SS; Zhu, Y; Jing, L; Guo, ZY. (2013). Facile 1,4-dioxane-assisted solvothermal synthesis, optical and electrochemical properties of CeO₂ microspheres. *Materials Research Bulletin.* 48: 4476-4480. <http://dx.doi.org/10.1016/j.materresbull.2013.07.055>.
- Zhao, Q; Qian, J, inWen; An, QF, u; Yang, Q; Zhang, P. (2008). A facile route for fabricating novel polyelectrolyte complex membrane with high pervaporation performance in isopropanol dehydration. *J Memb Sci.* 320: 8-12. <http://dx.doi.org/10.1016/j.memsci.2008.04.040>.
- Zhao, Y; Liu, M; Gan, L; Ma, X; Zhu, D; Xu, Z; Chen, L. (2014). Ultramicroporous Carbon Nanoparticles for the High-Performance Electrical Double-Layer Capacitor Electrode. *Energy Fuels.* 28: 1561-1568. <http://dx.doi.org/10.1021/ef402070j>.
- Zhong, C; Sasaki, T; Tada, M; Iwasawa, Y. (2006). Ni ion-containing ionic liquid salt and Ni ion-containing immobilized ionic liquid on silica: Application to Suzuki cross-coupling reactions between chloroarenes and arylboronic acids. *J Catal.* 242: 357-364. <http://dx.doi.org/10.1016/j.jcat.2006.06.020>.
- Zhong, H, ua; Brusseau, ML; Wang, Y; Yan, N, i; Quig, L; Johnson, GR. (2015). In-situ activation of persulfate by iron filings and degradation of 1,4-dioxane. *Water Res.* 83: 104-111. <http://dx.doi.org/10.1016/j.watres.2015.06.025>.
- Zhou, L; Gao, C; Xu, WJ. (2009). Amphibious polymer-functionalized CdTe quantum dots: Synthesis, thermo-responsive self-assembly, and photoluminescent properties. *J Mater Chem.* 19: 5655-5664. <http://dx.doi.org/10.1039/b905966k>.
- Zhou, Q; Wang, L, iS; Wu, J, unS; Li, M, iYi. (2007). Activity coefficients at infinite dilution of polar solutes in 1-butyl-3-methylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data.* 52: 131-134. <http://dx.doi.org/10.1021/je060305e>.
- Zhou, Y; Chen, D; Zhu, R; Jin, X; Chen, J. (2011). STATISTICAL ANALYSIS FOR OPTIMIZING TETRAHYDROFURAN DEGRADATION BY PSEUDOMONAS OLEOVORANS DT4 IN FED-BATCH CULTURE. *Fresen Environ Bull.* 20: 2451-2459.
- Zhou, Y; Xu, M; Yi, T; Xiao, S; Zhou, Z; Li, F; Huang, C. (2007). Morphology-tunable and photoresponsive properties in a self-assembled two-component gel system. *Langmuir.* 23: 202-208. <http://dx.doi.org/10.1021/la061530x>.
- Zhou, Y, an; Zhang, JJ; Qiu, Z, hiC; Zeng, Q; Chang, JJ; Yang, K, eKe; Wang, Y, uZ. (2009). PROPERTIES OF POLY(p-DIOXANONE-URETHANE) COPOLYMERS WITH CONTROLLABLE STRUCTURES. *Soft Materials.* 7: 277-295. <http://dx.doi.org/10.1080/15394450903344736>.
- Zhu, KL; Li, MQ; Li, L; Wu, FY; Li, GX. (2005). Synthesis of beta-benzyl-alpha-phenylpyruvic acid from double carbonylation. of benzyl chloride catalyzed by CoCl₂/KPzca system. *Chinese journal of catalysis.* 26: 563-566.
- Zhu, MY; Zhang, TXY; Zeng, JH; Jiang, XK. (1997). Nature of the alternate CF₂CH₂ chain: Study based on the measurement and comparison of the CAgC's of aggregators with alternate chains and with hydrocarbon chains. *Langmuir.* 13: 3603-3609.
- Zhu, T; Luo, Y; Lin, Y; Li, Q; Yu, P; Zeng, M. (2010). Study of pervaporation for dehydration of caprolactam through blend NaAlg-poly(vinyl pyrrolidone) membranes on PAN supports. *Separation and Purification Technology.* 74: 242-252. <http://dx.doi.org/10.1016/j.seppur.2010.06.012>.
- Zhu, Y; Zhu, Y; Ding, G; Zhu, S; Zheng, H; Li, Y. (2013). Highly selective synthesis of ethylene glycol and ethanol via hydrogenation of dimethyl oxalate on Cu catalysts: influence of support. *Appl Catal A-Gen.* 468: 296-304. <http://dx.doi.org/10.1016/j.apcata.2013.09.019>.
- Zhu, ZH; Ji, CZ. (1992). A STUDY OF THE HOMOGENEOUS REACTION BETWEEN A MODEL CIBACRON PRONT REACTIVE DYE AND METHYL-ALPHA-D-GLUCOSIDE. *Dyes and Pigments.* 19: 265-280.
- Zhunuspayev, DE; Mun, GA; Hole, P; Khutoryanskiy, VV. (2008). Solvent effects on the formation of nanoparticles and multilayered coatings based on hydrogen-bonded interpolymer complexes of poly(acrylic acid) with homo- and copolymers of N-vinyl pyrrolidone. *Langmuir.* 24: 13742-13747. <http://dx.doi.org/10.1021/la802852h>.
- Zienko, J. (1994). INVESTIGATIONS ON THE REACTION OF 1,2-EPITHIOBUTANE AND DIETHANOLAMINE. *Przemysł Chemiczny.* 73: 98-99.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, J. (2014). Successive and quantitative fractionation and extensive structural characterization of lignin from wheat straw. *Ind Crop Prod.* 61: 249-257. <http://dx.doi.org/10.1016/j.indcrop.2014.07.013>.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, J. (2016). Fractionation of wheat straw Dioxane lignin reveals molar mass dependent structural differences. *Ind Crop Prod.* 91: 186-193. <http://dx.doi.org/10.1016/j.indcrop.2016.07.014>.

Fate Literature Search Results

Off Topic

- Ziobrowski, Z; Kiss, K; Rotkegel, A; Nemestothy, N; Krupiczka, R; Gubicza, L. (2009). Pervaporation aided enzymatic production of glycerol monostearate in organic solvents. *Desalination*. 241: 212-217. <http://dx.doi.org/10.1016/j.desa.2008.01.067>.
- Zolfigol, MA, li; Chehardoli, G; Shiri, M. (2007). Epoxidation of aromatic alpha,beta-unsaturated ketones using PVP-H₂O₂ under mild and heterogeneous conditions. *React Funct Polym*. 67: 723-727. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.05.002>.
- Zulfiqar, S; Sarwar, MI. (2015). Effect of solvent on the CO₂ capture ability of polyester: A comparative study. *J Ind Eng Chem*. 21: 1373-1378. <http://dx.doi.org/10.1016/j.jiec.2014.06.008>.
- Zulfiqar, S; Sarwar, MI. (2016). Exploring aramid as emerging contender for CO₂ capture. *Chinese Journal of Chemical Engineering*. 24: 850-855. <http://dx.doi.org/10.1016/j.cjche.2016.02.003>.
- Zuo, D, anY; Li, HJ, un; Liu, HT, ao; Zhao, S, anP. (2012). Effect of different preparation methods on structure and properties of chitosan/poly-lactic acid blend porous membrane. *Journal of Porous Materials*. 19: 1015-1022. <http://dx.doi.org/10.1007/s10934-012-9564-3>.
- Zurita, JL; Garcia, DA; Postigo, MA. (1992). EXCESS MOLAR VOLUMES OF TETRACHLOROETHENE + 1,4-DIOXANE + TETRAHYDROFURAN AT 298.15 AND 308.15 K. *Journal of Chemical and Engineering Data*. 37: 206-209.
- Zuyderhoff, EM; Dupont-Gillain, CC. (2012). Nano-organized collagen layers obtained by adsorption on phase-separated polymer thin films. *Langmuir*. 28: 2007-2014. <http://dx.doi.org/10.1021/la203842q>.

Engineering/Occupational Exposure Literature Search Results

On Topic

- Anderson, RH; Anderson, JK; Bower, PA. (In Press) Co-occurrence of 1,4-dioxane with trichloroethylene in chlorinated solvent groundwater plumes at US Air Force installations: Fact or fiction. *Integr Environ Assess Manag*. <http://dx.doi.org/10.1002/ieam.1306>.
- Breen, C; Deane, AT; Flynn, JJ. (1987). VAPOR-PHASE SORPTION KINETICS FOR TETRAHYDROFURAN, TETRAHYDROPYRAN, AND 1,4-DIOXANE BY AL-3+-EXCHANGED AND CR-3+-EXCHANGED MONTMORILLONITE. *Clays and Clay Minerals*. 35: 343-346.
- Buffler, PA; Wood, SM; Suarez, L; Kilian, DJ. (1978). Mortality follow-up of workers exposed to 1,4-dioxane. *J Occup Environ Med*. 20: 255-259.
- Fishbein, L. (1981). Carcinogenicity and mutagenicity of solvents I Glycidyl ethers, dioxane, nitroalkanes, dimethylformamide and allyl derivatives [Review]. *Sci Total Environ*. 17: 97-110.
- Fisher, J; Mahle, D; Bankston, L; Greene, R; Gearhart, J. (1997). Lactational transfer of volatile chemicals in breast milk. *Am Ind Hyg Assoc J*. 58: 425-431. <http://dx.doi.org/10.1080/15428119791012667>.
- Fujiwara, T; Tamada, T; Kurata, Y; Ono, Y; Kose, T; Ono, Y; Nishimura, F; Ohtoshi, K. (2008). Investigation of 1,4-dioxane originating from incineration residues produced by incineration of municipal solid waste. *Chemosphere*. 71: 894-901. <http://dx.doi.org/10.1016/j.chemosphere.2007.11.011>.
- Jewett, D; Lawless, JG. (1980). Formate esters of 1,2-ethanediol: major decomposition products of p-dioxane during storage. *Bull Environ Contam Toxicol*. 25: 118-121.
- Jezewska, A; Szewczyńska, M; Woźnica, A. (2014). [Occupational exposure to airborne chemical substances in paintings conservators]. *Med Pr*. 65: 33-41.
- Kupczewska-Dobecka, M; Czerczak, S; Jakubowski, M; Maciaszek, P; Janasik, B. (2010). [Application of predictive model to estimate concentrations of chemical substances in the work environment]. *Med Pr*. 61: 307-314.
- O'Farrell, CE; Waghorne, WE. (2010). Henry's Law Constants of Organic Compounds in Water and n-Octane at T=293.2 K. *Journal of Chemical and Engineering Data*. 55: 1655-1658. <http://dx.doi.org/10.1021/je900711h>.
- Ottani, S; Vitalini, D; Comelli, F; Castellari, C. (2002). Densities, viscosities, and refractive indices of poly(ethylene glycol) 200 and 400 plus cyclic ethers at 303.15 K. *Journal of Chemical and Engineering Data*. 47: 1197-1204. <http://dx.doi.org/10.1021/je020030c>.
- Park, T; Rettich, TR; Battino, R; Wilhelm, E. (1987). BINARY GASEOUS-DIFFUSION COEFFICIENTS .6. CHLOROBENZENE, 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, 1,1,1-TRICHLOROETHANE, TETRACHLOROETHENE, 1,4-DIOXANE AND OCTAMETHYLCYCLOTETRAILOXANE WITH AIR AT 1-ATM AND 283-K TO 343-K. *Mater Chem Phys*. 16: 397-410.
- Petrelli, G; Siepi, G; Milligi, L; Vineis, P. (1993). Solvents in pesticides. *Scand J Work Environ Health*. 19: 63-65.
- Pohl, HR; Roney, N; Fay, M; C-H, C; Wilbur, S; Holler, J. (1999). Site-specific consultation for a chemical mixture. *Toxicol Ind Health*. 15: 470-479.
- Yasuhara, A; Shiraiishi, H; Nishikawa, M; Yamamoto, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Kawagoshi, Y. (1999). Organic components in leachates from hazardous waste disposal sites. *Waste Manag Res*. 17: 186-197.
- Yasuhara, A; Tanaka, Y; Tanabe, A; Kawata, K; Katami, T. (2003). Elution of 1,4-dioxane from waste landfill sites. *Bull Environ Contam Toxicol*. 71: 641-647. <http://dx.doi.org/10.1007/s00128-003-8917-7>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Abaji, G. (2011). Removal of Metal Ions from Aqueous Solution using Trioctyl Phosphine Oxide-containing Mixed Solvents in Conjunction with a Fibre-supported Solid Membrane. *AST*. 29: 169-183.
- Abdouss, M; Hoseini, SM; Mohammadi-Rovshandeh, J; Javanbakht, M. (2009). Synthesis and characterization of novel biodegradable pentablock copolymers from L-lactide, p-dioxanone and poly (ethylene glycol). *Materwiss Werksttech*. 40: 676-683. <http://dx.doi.org/10.1002/mawe.200900499>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Abdurrahmanoglu, S; Gunduz, C; Cakir, U; Cicek, B; Bulut, M. (2005). The synthesis and complexation study of some coumestan and coumestan analog derivatives of crown ethers using conductometry. *Dyes and Pigments*. 65: 197-204. <http://dx.doi.org/10.1016/j.dyepig.2004.07.011>.
- Acevedo, IL; Pedrosa, GC; Katz, M. (1996). Excess molar enthalpies for butylamine plus 1,4-dioxane plus carbon tetrachloride at 298.15 K. *Journal of Chemical and Engineering Data*. 41: 391-393.
- Acosta Santamaria, V; Deplaine, H; Mariggio, D; Villanueva-Molines, AR; Garcia-Aznar, JM; Gomez Ribelles, JL; Doblare, M; Gallego Ferrer, G; Ochoa, I. (2012). Influence of the macro and micro-porous structure on the mechanical behavior of poly(L-lactic acid) scaffolds. *Journal of Non-Crystalline Solids*. 358: 3141-3149. <http://dx.doi.org/10.1016/j.jnoncrysol.2012.08.001>.
- Acree, WE. (1993). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE - COMMENTS. *Fluid Phase Equilibria*. 87: 379-383.
- Adams, CD; Scanlan, PA; Secrist, ND. (1994). OXIDATION AND BIODEGRADABILITY ENHANCEMENT OF 1,4-DIOXANE USING HYDROGEN-PEROXIDE AND OZONE. *Environ Sci Technol*. 28: 1812-1818.
- Adams, TA; Seider, WD. (2009). Semicontinuous reactive extraction and reactive distillation. *Chem Eng Res Des*. 87: 245-262. <http://dx.doi.org/10.1016/j.cherd.2008.08.005>.
- Adamson, DT; Anderson, RH; Mahendra, S; Newell, CJ. (2015). Evidence of 1,4-dioxane attenuation at groundwater sites contaminated with chlorinated solvents and 1,4-dioxane. *Environ Sci Technol*. 49: 6510-6518. <http://dx.doi.org/10.1021/acs.est.5b00964>.
- Adamson, DT; de Blanc, PC; Farhat, SK; Newell, CJ. (2016). Implications of matrix diffusion on 1,4-dioxane persistence at contaminated groundwater sites. *Sci Total Environ*. 562: 98-107. <http://dx.doi.org/10.1016/j.scitotenv.2016.03.211>.
- Adamson, DT; Mahendra, S; Walker, KL, Jr; Rauch, SR; Sengupta, S; Newell, CJ. (2014). A Multisite Survey To Identify the Scale of the 1,4-Dioxane Problem at Contaminated Groundwater Sites. *Environ Sci Technol Lett*. 1: 254-258. <http://dx.doi.org/10.1021/ez500092u>.
- Adoor, SG; Manjeshwar, LS; Naidu, BVK; Sairam, M; Aminabhavi, TA. (2006). Poly(vinyl alcohol)/poly(methyl methacrylate) blend membranes for pervaporation separation of water plus isopropanol and water+1,4-dioxane mixtures. *J Memb Sci*. 280: 594-602. <http://dx.doi.org/10.1016/j.memsci.2006.02.017>.
- Adoor, SG; Sairam, M; Manjeshwar, LS; Raju, KVS, N; Aminabhavi, TM. (2006). Sodium montmorillonite clay loaded novel mixed matrix membranes of poly(vinyl alcohol) for pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane. *J Memb Sci*. 285: 182-195. <http://dx.doi.org/10.1016/j.memsci.2006.08.022>.
- Afrin, T; Tsuzuki, T; Kanwar, RK; Wang, X. (2012). The origin of the antibacterial property of bamboo. *J Text Inst*. 103: 844-849. <http://dx.doi.org/10.1080/00405000.2011.614742>.
- Ageev, YP; Matushkina, NN; Strusovskaya, NL. (1992). Pervaporation through structurally unstable polymeric membranes. *J Memb Sci*. 67: 167-175.
- Aghaie, M; Giah, M; Aghaie, H; Arvand, M; Pournaghdy, M; Yavari, F. (2009). New Fe(II) Ion-selective electrode based On N-Phenylaza-15-Crown-5 as neutral carrier in PVC matrix. *Desalination*. 247: 346-354. <http://dx.doi.org/10.1016/j.desal.2008.10.007>.
- Agirre, I; Guemez, MB; Ugarte, A; Requies, J; Barrio, VL; Cambra, JF; Arias, PL. (2013). Glycerol acetals as diesel additives: Kinetic study of the reaction between glycerol and acetaldehyde. *Fuel Process Tech*. 116: 182-188. <http://dx.doi.org/10.1016/j.fuproc.2013.05.014>.
- Agrawal, BP; Srivastava, AK. (1995). TEMPLATE POLYMERIZATION OF ZINC-DIACRYLATE ON POLYVINYL ACETATE. *Indian J Chem Tech*. 2: 69-73.
- Aguié-Béghin, V; Baumberger, S; Monties, B; Douillard, R. (2002). Formation and characterization of spread lignin layers at the air/water interface. *Langmuir*. 18: 5190-5196. <http://dx.doi.org/10.1021/la011766v>.
- Aguié-Béghin, V; Foulon, L; Soto, P; Crônier, D; Corti, E; Legée, F; Cézard, L; Chabbert, B; Maillard, MN; Huijgen, WJ; Baumberger, S. (2015). Use of food and packaging model matrices to investigate the antioxidant properties of biorefinery grass lignins. *J Agric Food Chem*. 63: 10022-10031. <http://dx.doi.org/10.1021/acs.jafc.5b03686>.
- Ahmad, A; Collins, RA. (1993). UV-VISIBLE SPECTROSCOPY OF MONOCLINIC AND TRICLINIC LEAD PHTHALOCYANINE. *Mater Lett*. 17: 292-296.
- Ahmad, A; Salahuddin, A. (1996). Effect of organic solvents on lysozyme-antilysozyme precipitin reaction. *Comp Biochem Physiol C Comp Pharmacol Toxicol*. 114: 119-121. [http://dx.doi.org/10.1016/0742-8413\(96\)00020-5](http://dx.doi.org/10.1016/0742-8413(96)00020-5).
- Ahmad, RTM; Hong, SH, o; Shen, TZ, i; Song, JK, un. (2016). Water-assisted stable dispersal of graphene oxide in non-dispersible solvents and skin formation on the GO dispersion. *Carbon*. 98: 188-194. <http://dx.doi.org/10.1016/j.carbon.2015.11.007>.
- Ahmed, IT; Soliman, ES; Boraei, AA. (2004). The acidity constants of some pyrimidine bases in various water-organic solvent media. *Ann Chim*. 94: 847-856. <http://dx.doi.org/10.1002/adich.200490105>.
- Aitchison, EW; Kelley, SL; Alvarez, PJJ; Schnoor, JL. (2000). Phytoremediation of 1,4-dioxane by hybrid poplar trees. *Water Environ Res*. 72: 313-321.
- Akbarzadeh, R; Minton, JA; Janney, CS; Smith, TA; James, PF; Yousefi, AM. (2015). Hierarchical polymeric scaffolds support the growth of MC3T3-E1 cells. *J Mater Sci Mater Med*. 26: 116. <http://dx.doi.org/10.1007/s10856-015-5453-z>.
- Akim, LG; Cordeiro, N; Neto, CP; Gandini, A. (2000). Comparative analysis of the lignins of cork from *Quercus suber* L. and wood from *Eucalyptus globulus* L. by dry hydrogen iodide cleavage. *ACS Symp Ser Am Chem Soc*. 742: 291-302.
- Akinfiev, N; Zotov, A. (1999). Thermodynamic description of equilibria in mixed fluids (H₂O-non-polar gas) over a wide range of temperature (25-700 degrees C) and pressure (1-5000 bars). *Geochim Cosmo Acta*. 63: 2025-2041.
- Akiyama, Y; Ikeda, T; Kawai, A; Kiyozumi, Y; Mizukami, F. (2004). Synthesis and characterization of new layered silicates in the system SiO₂-NaOH-tetramethylammonium hydroxide-1,4-dioxane. *Mater Chem Phys*. 86: 112-122. <http://dx.doi.org/10.1016/j.matchemphys.2004.02.016>.
- Akkouch, A; Zhang, Z; Rouabhia, M. (2011). A novel collagen/hydroxyapatite/poly(lactide-co-ε-caprolactone) biodegradable and bioactive 3D porous scaffold for bone regeneration. *J Biomed Mater Res A*. 96: 693-704. <http://dx.doi.org/10.1002/jbm.a.33033>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Al Alousi, AS, h; Shehata, MR; Shoukry, MM; Mohamed, NM. (2009). Interaction of dimethyltin(IV) and trimethyltin(IV) with dehydroacetic acid. *Chem Speciation Bioavailability*. 21: 1-6. <http://dx.doi.org/10.3184/095422909X416216>.
- Aleksandrov, EM; Abdullaev, BF; Aleksandrova, TV; Kozlovskaya, GP; Lubyansetskaya, KF. (1994). PROPERTIES OF SODIUM TUNGSTATE RECRYSTALLIZED FROM WATER PLUS DIOXANE AND WATER PLUS ACETONE MIXED-SOLVENTS. *Inorg Mater*. 30: 915-916.
- Aleksandrov, EM; Balyberdin, AN; Lubyansetskaya, KF; Mikheev, VN. (1986). ION-EXCHANGE BETWEEN SRCO₃ CRYSTALS AND AN AMMONIUM TUNGSTATE SOLUTION IN MIXTURES OF WATER + DIOXANE. *Inorg Mater*. 22: 236-239.
- Aleksandrov, EM; Lubyansetskaya, KF; Mikeev, VN. (1983). ION-EXCHANGE PROCESS IN THE BACO₃(CR)-WO₄(SOLN)-O-Z- SYSTEM IN WATER DIOXANE MIXTURES. *Inorg Mater*. 19: 713-717.
- Aleksandrov, EM; Perlovich, NG; Aleksandrova, TV; Lubyansetskaya, KF. (1994). GRANULOMETRIC COMPOSITION OF K₂CRO₄ PRECIPITATED FROM WATER PLUS ACETONE AND WATER PLUS DIOXANE MIXTURES. *Inorg Mater*. 30: 625-627.
- Alexandre, MC; Popineau, Y; Viroben, G; Chiarello, M; Lelion, A; Gueguen, J. (1993). WHEAT GAMMA GLIADIN AS SUBSTRATE FOR BOVINE PLASMA FACTOR-XIII. *J Agric Food Chem*. 41: 2208-2214.
- Alicilar, A; Bicer, A; Murathan, A. (1994). THE RELATION BETWEEN WETTING EFFICIENCY AND LIQUID HOLDUP IN PACKED-COLUMNS. *Chemical Engineering Communications*. 128: 95-107.
- Allcock, NR; Sunderland, NJ; Primrose, AP; Rheingold, AL; Guzei, IA; Parvez, M. (1999). A new host for polymer and small-molecule clathration. *Chem Mater*. 11: 2478-2485.
- Almonasy, N; Nepras, M; Hykova, S; Lycka, A; Cermak, J; Dvorak, M; Michl, M. (2009). The synthesis of N-derivatives of 3-aminoperylene and their absorption and fluorescence properties. *Dyes and Pigments*. 82: 164-170. <http://dx.doi.org/10.1016/j.dyepig.2008.12.009>.
- Al-Najjar, AA; Mohamed, MM; Shehata, MR; Shoukry, MM. (2006). Tripropyltin(iv) complexes with some selected bioligands in 50% v/v dioxane/water mixture. *Ann Chim*. 96: 97-107.
- Altiokka, MR; Citak, A. (2003). Kinetics study of esterification of acetic acid with isobutanol in the presence of amberlite catalyst. *Appl Catal A-Gen*. 239: 141-148.
- Altiokka, MR; Hosgun, HL. (2007). Kinetics of hydrolysis of benzaldehyde dimethyl acetal over Amberlite IR-120. *Ind Eng Chem Res*. 46: 1058-1062. <http://dx.doi.org/10.1021/ie060716o>.
- Altundas, A; Menzek, A; Gultekin, DD; Karakaya, M. (2005). Excellent and convenient procedures for reduction of benzene and its derivatives. *Turkish Journal of Chemistry*. 29: 513-518.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Advanced oxidation of five contaminants in water by UV/TiO₂: Reaction kinetics and byproducts identification. *J Environ Manage*. 181: 544-551. <http://dx.doi.org/10.1016/j.jenvman.2016.07.015>.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Photocatalytic Oxidation of Five Contaminants of Emerging Concern by UV/TiO₂: Identification of Intermediates and Degradation Pathways. *Environ Eng Sci*. 33: 140-147. <http://dx.doi.org/10.1089/ees.2015.0388>.
- Aminabhavi, TM; Aminabhavi, VA; Balundgi, RH. (1991). EXCESS PROPERTIES OF BINARY-MIXTURES OF FLUOROBENZENE WITH ALIPHATIC LIQUIDS IN THE TEMPERATURE-RANGE 298.15-K-313.15-K. 29: 473-477.
- Aminabhavi, TM; Gopalakrishna, B. (1995). DENSITY, VISCOSITY, REFRACTIVE-INDEX, AND SPEED OF SOUND IN AQUEOUS MIXTURES OF N,N-DIMETHYLFORMAMIDE, DIMETHYL-SULFOXIDE, N,N-DIMETHYLACETAMIDE, ACETONITRILE, ETHYLENE-GLYCOL, DIETHYLENE GLYCOL, 1,4-DIOXANE, TETRAHYDROFURAN, 2-METHOXYETHANOL, AND 2-ETHOXYETHANOL AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 856-861.
- Aminabhavi, TM; Harlapur, SF. (1997). Sorption and diffusion of organic liquids into engineering fluoroelastomer membranes in the temperature interval 30-60 degrees C. *Chemical Engineering and Processing: Process Intensification*. 36: 363-370.
- Aminabhavi, TM; Patil, VB. (1998). Density, viscosity, refractive index, and speed of sound in binary mixtures of ethenylbenzene with N,N-dimethylacetamide, tetrahydrofuran, N,N-dimethylformamide, 1,4-dioxane, dimethyl sulfoxide, chloroform, bromoform, and 1-chloronaphthalene in the temperature interval (298.15-308.15) K. *Journal of Chemical and Engineering Data*. 43: 497-503.
- Amireche-Ziar, F; Richon, D; Belaribi, FB. (2013). Excess molar enthalpies for binary mixtures of 1,2-dichloroethane with ethers at 298.15 K and atmospheric pressure. *Fluid Phase Equilibria*. 337: 255-258. <http://dx.doi.org/10.1016/j.fluid.2012.10.001>.
- Amirilargani, M; Sadatnia, B. (2014). Poly(vinyl alcohol)/zeolitic imidazolate frameworks (ZIF-8) mixed matrix membranes for pervaporation dehydration of isopropanol. *J Memb Sci*. 469: 1-10. <http://dx.doi.org/10.1016/j.memsci.2014.06.034>.
- Amnuaypanich, S; Patthana, J; Phinyocheep, P. (2009). Mixed matrix membranes prepared from natural rubber/poly(vinyl alcohol) semi-interpenetrating polymer network (NR/PVA semi-IPN) incorporating with zeolite 4A for the pervaporation dehydration of water-ethanol mixtures. *Chem Eng Sci*. 64: 4908-4918. <http://dx.doi.org/10.1016/j.ces.2009.07.028>.
- Amrutia, RR; Mehta, NM; D Karia, F; Parsania, PH. (2006). Ultrasonic velocity and acoustical parameters of poly (4,4'-cyclo-hexylidene diphenyloxy-4,4'-diphenylenesulfone) solutions at different temperatures. *Journal of Sci Ind Res*. 65: 905-911.
- Ananchenko, GS; Udachin, KA; Pojarova, M; Dubes, A; Ripmeester, JA; Jebors, S; Coleman, AW. (2006). Van der Waals nanocapsular complexes of amphiphilic calixarenes. *Cryst Growth Des*. 6: 2141-2148. <http://dx.doi.org/10.1021/cg0603826>.
- Anderson, JE. (1994). THE DEBYE-FALKENHAGEN EFFECT - EXPERIMENTAL FACT OR FICTION. *Journal of Non-Crystalline Solids*. 172: 1190-1194.
- Andre, V; Braga, D; Grepioni, F; Duarte, MT. (2009). Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. *Cryst Growth Des*. 9: 5108-5116. <http://dx.doi.org/10.1021/cg900495s>.
- Angel Mueses, M; Machuca-Martinez, F; Li Puma, G. (2013). Effective quantum yield and reaction rate model for evaluation of photocatalytic degradation of water contaminants in heterogeneous pilot-scale solar photoreactors. *Chem Eng J*. 215: 937-947. <http://dx.doi.org/10.1016/j.cej.2012.11.076>.
- Anjun, Q; Hu, K; Shaojun, L; Cheng, Y. (2003). A thermally stable chromophore with multi-intramolecular charge-transfer and its poled polymer. *Synthetic Metals*. 137: 1517-1518. [http://dx.doi.org/10.1016/S0379-6779\(02\)01216-X](http://dx.doi.org/10.1016/S0379-6779(02)01216-X).

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Anon. (2004). Cultivating 1,4-dioxane-loving bacteria for remediation. *Chemical Engineering Progress*. 100: 8-9.
- Antonio Gonzalez, J. (2010). Thermodynamics of Mixtures Containing Oxaalkanes. 4. Random Mixing and Orientational Effects in Ether plus Alkane Systems. *Ind Eng Chem Res*. 49: 9511-9524. <http://dx.doi.org/10.1021/ie101264p>.
- Antonio Gonzalez, J; Garcia de la Fuente, I; Carlos Cobos, J; Riesco, N. (2012). Thermodynamics of Mixtures Containing Oxaalkanes. 7. Random Mixing in Ether + CCl₄ Systems. *Ind Eng Chem Res*. 51: 5108-5116. <http://dx.doi.org/10.1021/ie300094e>.
- Antoniu, MG; Andersen, HR. (2015). Comparison of UVC/S₂O₈²⁻ with UVC/H₂O₂ in terms of efficiency and cost for the removal of micropollutants from groundwater. *Chemosphere*. 119: S81-S88. <http://dx.doi.org/10.1016/j.chemosphere.2014.03.029>.
- Antonovic, A; Jambrekov, V; Pervan, S; Istvanic, J; Greger, K; Public, A. (2008). A supplement to the research of native lignin of beech sapwood (*Fagus sylvatica* L.). 53: 55-68.
- Ara, M; Watanabe, M; Imai, Y. (2002). Effect of blending calcium compounds on hydrolytic degradation of poly(DL-lactic acid-co-glycolic acid). *Biomaterials*. 23: 2479-2483.
- Aralaguppi, MI; Jadar, CV; Aminabhavi, TM. (1996). Density, refractive index, viscosity, and speed of sound in binary mixtures of 2-ethoxyethanol with dioxane, acetonitrile, and tetrahydrofuran at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 41: 1307-1310.
- Argyropoulos, DS; Bolker, HI. (1987). CONDENSATION OF LIGNIN IN DIOXANE-WATER-HCL. *Journal of Wood Chemistry and Technology*. 7: 1-23.
- Argyropoulos, DS; Bolker, HI; Heitner, C; Archipov, Y. (1993). P-31 NMR-SPECTROSCOPY IN WOOD CHEMISTRY .5. QUALITATIVE-ANALYSIS OF LIGNIN FUNCTIONAL-GROUPS. *Journal of Wood Chemistry and Technology*. 13: 187-212.
- Arin, G; Demirbas, A. (2002). Fractionation and analysis of supercritical fluid extracts from lignite. *Energy Sources*. 24: 817-823. <http://dx.doi.org/10.1080/00908310290086806>.
- Arshanita, A; Krumina, L; Telysheva, G; Dzhbite, T. (2016). Exploring the application potential of incompletely soluble organosolv lignin as a macromonomer for polyurethane synthesis. *Ind Crop Prod*. 92: 1-12. <http://dx.doi.org/10.1016/j.indcrop.2016.07.050>.
- Arulazhagan, P; Sivaraman, C; Kumar, SA; Aslam, M; Banu, JR. (2014). Co-metabolic degradation of benzo(e)pyrene by halophilic bacterial consortium at different saline conditions. *J Environ Biol*. 35: 445-452.
- Aruna, P; Natarajan, S; Suryanarayana, CV. (1991). THE INTERNAL-PRESSURE AT THE MISCIBILITY POINT IN SOME TERNARY-SYSTEMS. 29: 537-540.
- Arzik, S; Mavioğlu, Ayan, E; Çelebi, AS. (2008). Potentiometric Determination of the Stability Constants of Lanthanide Complexes with Iminodiacetic Acid in Water and Dioxane-Water Mixtures. *Turkish Journal of Chemistry*. 32: 721-729.
- Ashraf, S; Jones, AC; Bacs, J; Steiner, A; Chalker, PR; Beahan, P; Hindley, S; Odedra, R; Williams, PA; Heys, PN. (2011). MOCVD of Vertically Aligned ZnO Nanowires Using Bidentate Ether Adducts of Dimethylzinc. *Chemical Vapor Deposition*. 17: 45-53. <http://dx.doi.org/10.1002/cvde.201006881>.
- Atici, OG; Akar, A; Rahimian, R. (2001). Modification of poly(maleic anhydride-co-styrene) with hydroxyl containing compounds. *Turkish Journal of Chemistry*. 25: 259-266.
- Atkinson, R. (1989). Kinetics and mechanisms of the gas-phase reactions of the hydroxyl radical with organic compounds. *J Phys Chem Ref Data*. 1: 1-246.
- ATSDR. (2005). Health consultation. 1,4-Dioxane in private drinking water near Naval Air Station Whidbey Island, Ault Field. <http://www.docstoc.com/docs/27599091/Health-Consultation>.
- Atta, FM. (1994). SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF THIOGLYCOLIC AMINO-ACID DERIVATIVES AND DIPEPTIDES CONTAINING THE 2-METHYL-3,4-DIHYDROQUINAZOLIN-4-ONE MOIETY. *J Chem Tech Biotechnol*. 61: 225-229.
- Aubert, PH; Groenendaal, L; Louwet, F; Lutsen, L; Vanderzande, D; Zotti, G. (2002). In situ conductivity measurements on polyethylenedioxythiophene derivatives with different counter ions. *Synthetic Metals*. 126: 193-198.
- Avagimova, N; Polotskaya, G; Saprykina, N; Toikka, A; Pientka, Z. (2013). Mixed Matrix Membranes Based on Polyamide/Montmorillonite for Pervaporation of Methanol-Toluene Mixture. *Separation Science and Technology*. 48: 2513-2523. <http://dx.doi.org/10.1080/01496395.2013.806550>.
- Avramescu, F. (1994). EQUIMOLECULAR COMPOSITION P₂O₅-SiO₂ CATALYST ACTIVITY IN THE 4-4'-DIMETHYL-1,3-METADIOXANE DECOMPOSITION REACTION TO ISOPRENE .4. *Rev Chim*. 45: 455-458.
- Avramescu, F; Barbulescu, V; Nicolescu, IV. (1994). P₂O₅-SiO₂ CATALYSTS ACTIVITY IN THE 4,4'-DIMETHYL-1,3-METHADIOXANE TO ISOPRENE .3. *Rev Chim*. 45: 314-316.
- Awasthi, A; Rastogi, M; Shukla, JP. (2004). Ultrasonic and IR study of molecular association process through hydrogen bonding in ternary liquid mixtures. *Fluid Phase Equilibria*. 215: 119-127. <http://dx.doi.org/10.1016/j.fluid.2003.08.017>.
- Azab, HA. (1993). POTENTIOMETRIC DETERMINATION OF THE 2ND-STAGE DISSOCIATION-CONSTANTS OF SOME HYDROGEN-ION BUFFERS FOR BIOLOGICAL-RESEARCH IN VARIOUS WATER+ORGANIC SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 38: 453-457.
- Azab, HA; Anwar, ZM; Sokar, M. (2004). Medium effect on the apparent dissociation constants of guanine, thymine, uracil, hypoxanthine, and cytosine in various hydroorganic media. *Journal of Chemical and Engineering Data*. 49: 256-261. <http://dx.doi.org/10.1021/je030192o>.
- Azab, HA; Deghaidy, FS; Orabi, AS; Farid, NY. (1998). Potentiometric determination of the apparent dissociation constants of some N-substituted 3-amino-2-hydroxypropanesulfonic acids in various hydroorganic media. *Journal of Chemical and Engineering Data*. 43: 245-248.
- Azab, HA; Hassan, A; Khafagy, ZA. (1993). POTENTIOMETRIC DETERMINATION OF THE 2ND-STAGE DISSOCIATION-CONSTANT OF N,N-BIS(2-HYDROXYETHYL)-2-AMINOETHANESULFONIC ACID IN VARIOUS WATER PLUS ORGANIC-SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 38: 231-233.
- Azab, HA; Khafagy, ZA; Hassan, A; Elnady, AM. (1994). MEDIUM EFFECT ON THE 2ND-STAGE DISSOCIATION-CONSTANT OF N,N-BIS(2-HYDROXYETHYL)GLYCINE. *Journal of Chemical and Engineering Data*. 39: 599-601.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Azab, HA; Nour, KMA. (1999). Medium effect on the apparent second stage dissociation constants of some zwitterionic buffers for physiological research in various water plus organic solvent mixtures. *Journal of Chemical and Engineering Data*. 44: 678-683.
- Azab, HA; Orabi, AS; El-Salam, ETA. (1998). Apparent second-stage dissociation constants of some zwitterionic buffers for biochemical and physiological research in various hydroorganic media. *Journal of Chemical and Engineering Data*. 43: 703-707.
- Azran, J; Shimoni, M; Buchman, O. (1994). HETEROGENEOUS CATALYTIC ISOTOPIC EXCHANGE OF BENZYLIC COMPOUNDS IN SOLUTION. *J Catal*. 148: 648-653.
- Azzam, T; Eisenberg, A. (2010). Fully collapsed (kippah) vesicles: preparation and characterization. *Langmuir*. 26: 10513-10523. <http://dx.doi.org/10.1021/la1004837>.
- Babu, AR; Rao, RS. (1992). CHEMOMETRIC INVESTIGATION OF COMPLEX EQUILIBRIA IN THE SOLUTION PHASE .3. CHEMICAL-MODELS FOR THE COMPLEXATION OF NI(II) WITH ADIPIC ACID DIHYDRAZIDE AND 2-FUROIC ACID HYDRAZIDE IN WATER N,N'-DIMETHYLFORMAMIDE AND WATER DIOXANE MEDIA - CORRELATION WITH SOLVENT PARAMETERS. *Journal of Chemical and Engineering Data*. 37: 526-531.
- Badis, M; Guermouche, MH; Bayle, JP; Rogalski, M; Rogalska, E. (2004). Organization of four thermotropic liquid crystals of different polarities on model liquid and solid surfaces. *Langmuir*. 20: 7991-7997. <http://dx.doi.org/10.1021/la049093e>.
- Bai, GY; Chen, LG; Li, Y; Yan, XL; He, F; Xing, P; Zeng, T. (2004). Selective synthesis of cis-2,6-dimethylpiperazine catalyzed by a Cu-Cr-Fe/gamma-Al₂O₃ catalyst. *Appl Catal A-Gen*. 277: 253-258. <http://dx.doi.org/10.1016/j.apcata.2004.09.031>.
- Bai, X; Brown, RC; Fu, J, ie; Shanks, BH; Kieffer, M. (2014). The Influence of Alkali and Alkaline Earth Metals and the Role of Acid Pretreatments in Production of Sugars from Switchgrass Based on Solvent Liquefaction. *Energy Fuels*. 28: 1111-1120. <http://dx.doi.org/10.1021/ef4022015>.
- Bai, YX; Qian, JW; Sun, HB; An, QF. (2006). Dilute solution behavior of partly hydrolyzed poly(vinyl acetate) in selective solvent mixtures and the pervaporation performance of their membranes in benzene/cyclohexane separation. *J Memb Sci*. 279: 418-423. <http://dx.doi.org/10.1016/j.memsci.2005.12.032>.
- Balcazarortiz, AM; Patel, RB; Abbott, MM; Vanness, HC. (1979). EXCESS THERMODYNAMIC FUNCTIONS FOR TERNARY-SYSTEMS .5. TOTAL-PRESSURE DATA AND GE FOR 1,4-DIOXANE-ETHANOL-WATER AT 50-DEGREES-C. *Journal of Chemical and Engineering Data*. 24: 133-136.
- Balogh, DT; Curvelo, AAS. (1998). Successive and batch extraction of Eucalyptus grandis in dioxane water-HCl solution. 80: 374-378.
- Baluja, S; Gajera, R; Kulshreshtha, A. (2010). Solubility of Biologically Active Chalcones in 1,4-Dioxane and N,N-Dimethyl Formamide from (298.15 to 318.15) K. *Journal of Chemical and Engineering Data*. 55: 574-577. <http://dx.doi.org/10.1021/je900370q>.
- Baluja, S; Kulshreshtha, A; Bhatt, M. (2014). ULTRASONIC STUDIES OF ANTIPROTOZOAL DRUG IN PROTIC AND APROTIC SOLVENTS AT 308.15 K. *Lat Am Appl Res*. 44: 93-93.
- Baluja, S; Oza, S. (2003). Ultrasonic studies of some derivatives of 6-ethylbenzene-1,3-diol in 1,4-dioxane. *Fluid Phase Equilibria*. 208: 83-89. [http://dx.doi.org/10.1016/S0378-3812\(02\)00327-8](http://dx.doi.org/10.1016/S0378-3812(02)00327-8).
- Baluja, S; Shah, A. (2004). Acoustical studies of some derivatives of 4-amino antipyrine in 1,4-dioxane and dimethylformamide at 318.15K. *Fluid Phase Equilibria*. 215: 55-59. [http://dx.doi.org/10.1016/S0378-3812\(03\)00355-8](http://dx.doi.org/10.1016/S0378-3812(03)00355-8).
- Baluja, S; Solanki, A; Kachhadia, N. (2010). Studies on Thermodynamic Properties of Some Imidazolinone Derivatives in DMF at 308.15 K. *Chinese Journal of Chemical Engineering*. 18: 306-311.
- Baluja, S; Vaishnani, KP; Gajera, R; Kachhadia, N. (2010). ACOUSTICAL PROPERTIES OF SCHIFF BASE SOLUTIONS IN DMF. *Lat Am Appl Res*. 40: 249-254.
- Baluja, S; Vekariya, N; Movaliya, J. (2008). Acoustical studies of some derivatives of 4-amino benzoic acid in 1, 4-dioxane and dimethyl formamide at 308.15 K. *Iranian Journal of Chemistry and Chemical Engineering (International English Edition)*. 27: 129-135.
- Bambalov, NN. (2007). The lignin content in virgin and cultivated peat soils of Belarussian Poles'e. *Eurasian Soil Science*. 40: 1175-1180. <http://dx.doi.org/10.1134/S106422930711004X>.
- Bambalov, NN. (2011). Changes in the Elemental Composition of Lignin during Humification. *Eurasian Soil Science*. 44: 1090-1096. <http://dx.doi.org/10.1134/S1064229311100036>.
- Bandres, I; Giner, I; Pera, G; Giner, B; Lafuente, C. (2007). Vapour-liquid equilibrium of cyclic ethers with 1-chlorohexane: Experimental results and UNIFAC predictions. *Fluid Phase Equilibria*. 257: 70-77. <http://dx.doi.org/10.1016/j.fluid.2007.05.013>.
- Baragi, JG; Aralaguppi, MI; Aminabhavi, TM; Kariduraganavar, MY; Kittur, AS. (2005). Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 50: 910-916. <http://dx.doi.org/10.1021/je049610v>.
- Baragi, JG; Aralaguppi, MI; Aminabhavi, TM; Kariduraganavar, MY; Kulkarni, SS. (2005). Density, viscosity, refractive index, and speed of sound for binary mixtures of 1,4-dioxane with different organic liquids at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 50: 917-923. <http://dx.doi.org/10.1021/je049609w>.
- Baranov, DS; Uvarov, MN; Kazantsev, MS; Mostovich, EA; Glebov, EM; Gatilov, YV; Kulik, LV. (2017). Diaza-analogs of benzopyrene and perylene containing thienyl and 4-(phenylamino)phenyl groups: Synthesis, characterization, optical and electrochemical properties. *Dyes and Pigments*. 136: 707-714. <http://dx.doi.org/10.1016/j.dyepig.2016.09.026>.
- Barhoum, R; Szymanowski, J; Hreczuch, W; Meissner, E. (1994). NARROWING OF ALKYLPHENOL ETHOXYLATE DISTRIBUTION. *J Chem Tech Biotechnol*. 61: 215-218.
- Barndok, H; Blanco, L; Hermosilla, D; Blanco, A. (2016). Heterogeneous photo-Fenton processes using zero valent iron microspheres for the treatment of wastewaters contaminated with 1,4-dioxane. *Chem Eng J*. 284: 112-121. <http://dx.doi.org/10.1016/j.cej.2015.08.097>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Barndök, H; Cortijo, L; Hermosilla, D; Negro, C; Blanco, A. (2014). Removal of 1,4-dioxane from industrial wastewaters: routes of decomposition under different operational conditions to determine the ozone oxidation capacity. *J Hazard Mater.* 280: 340-347. <http://dx.doi.org/10.1016/j.jhazmat.2014.07.077>.
- Barndök, H; Hermosilla, D; Cortijo, L; Torres, E; Blanco, A. (2014). Electrooxidation of industrial wastewater containing 1,4-dioxane in the presence of different salts. *Environ Sci Pollut Res Int.* 21: 5701-5712. <http://dx.doi.org/10.1007/s11356-013-2483-2>.
- Barndok, H; Hermosilla, D; Han, C; Dionysiou, DD; Negro, C; Blanco, A. (2016). Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO₂ composite with monodisperse TiO₂ nanoparticles. *Appl Catal B-Environ.* 180: 44-52. <http://dx.doi.org/10.1016/j.apcatb.2015.06.015>.
- Barndok, H; Hermosilla, D; Han, C; Dionysiou, DD; Negro, C; Blanco, A. (2016). Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO₂ composite with monodisperse TiO₂ nanoparticles (vol 180, pg 44, 2016). *Appl Catal B-Environ.* 196: 232-232. <http://dx.doi.org/10.1016/j.apcatb.2016.05.062>.
- Barndok, H; Merayo, N; Blanco, L; Hermosilla, D; Blanco, A. (2016). Application of on-line FTIR methodology to study the mechanisms of heterogeneous advanced oxidation processes. *Appl Catal B-Environ.* 185: 344-352. <http://dx.doi.org/10.1016/j.apcatb.2015.12.036>.
- Barone, FS; Rowe, RK; Quigley, RM. (1992). A LABORATORY ESTIMATION OF DIFFUSION AND ADSORPTION COEFFICIENTS FOR SEVERAL VOLATILE ORGANICS IN A NATURAL CLAYEY SOIL. *J Contam Hydrol.* 10: 225-250.
- Barton, DA; Ahearn, PS; Bousquet, T; Emgushov, BT; Hatlevig, S. (1997). Treatability of selected RCRA-regulated compounds in effluent treatment processes. *Tappi Journal.* 80: 92-100.
- Baskaran, S; Bolan, NS. (1998). An evaluation of methods for measurement of pesticides in sorption experiments. *Commun Soil Sci Plant Anal.* 29: 369-380.
- Bauer, S; Sorek, H; Mitchell, VD; Ibáñez, AB; Wemmer, DE. (2012). Characterization of *Miscanthus giganteus* lignin isolated by ethanol organosolv process under reflux condition. *J Agric Food Chem.* 60: 8203-8212. <http://dx.doi.org/10.1021/jf302409d>.
- Baumberger, S; Aguiabeghin, V; Douillard, R; Lapierre, C; Monties, B. (1997). Properties of grass lignin layers at the air-water interface. *Ind Crop Prod.* 6: 259-263.
- Bayramoglu, G; Arica, MY. (2009). Immobilization of laccase onto poly(glycidylmethacrylate) brush grafted poly(hydroxyethylmethacrylate) films: Enzymatic oxidation of phenolic compounds. *Mater Sci Eng C.* 29: 1990-1997. <http://dx.doi.org/10.1016/j.msec.2009.03.011>.
- Bayramoglu, G; Arica, MY. (2009). Preparation and characterization of comb type polymer coated poly(HEMA/EGDMA) microspheres containing surface-anchored sulfonic acid: Application in gamma-globulin separation. *React Funct Polym.* 69: 189-196. <http://dx.doi.org/10.1016/j.reactfunctpolym.2008.12.017>.
- Bayri, NA; Kocak, O. (1997). Investigation of H-bond on fluorescence changes in benzene derivations and different acceptor systems. *Turkish Journal of Chemistry.* 21: 173-181.
- Baysal, B; Erbil, C; Morganelli, PL; Stockmayer, WH. (1997). Dielectric studies of various olefin/SO₂ copolymers. *Turkish Journal of Chemistry.* 21: 239-245.
- Bazyliak, L; Bratychak, M; Brostow, W. (1999). Peroxy derivatives of epoxy resins based on bisphenol A: Effects of quaternary ammonium salts. *Mater Res Innovat.* 3: 132-137.
- Bebahani, GRR; Hogan, P; Waghorne, WE. (2002). Ostwald concentration coefficients of acetonitrile in aqueous mixed solvents: A new, rapid method for measuring the solubilities of volatile solutes. *Journal of Chemical and Engineering Data.* 47: 1290-1292. <http://dx.doi.org/10.1021/je0200665>.
- Bechtold, R; Gonzalez, AE; Almendros, G; Martinez, MJ; Martinez, AT. (1993). LIGNIN ALTERATION BY GANODERMA-AUSTRALE AND OTHER WHITE-ROT FUNGI AFTER SOLID-STATE FERMENTATION OF BEECH WOOD. *Holzforschung.* 47: 91-96.
- Beck-Broichsitter, M; Nicolas, J; Couvreur, P. (2015). Solvent selection causes remarkable shifts of the "Ouzo region" for poly(lactide-co-glycolide) nanoparticles prepared by nanoprecipitation. *Nanoscale.* 7: 9215-9221. <http://dx.doi.org/10.1039/c5nr01695a>.
- Beckett, MA; Hua, I. (2000). Elucidation of the 1,4-dioxane decomposition pathway at discrete ultrasonic frequencies. *Environ Sci Technol.* 34: 3944-3953. <http://dx.doi.org/10.1021/es000928r>.
- Beckett, MA; Hua, I. (2003). Enhanced sonochemical decomposition of 1,4-dioxane by ferrous iron. *Water Res.* 37: 2372-2376. [http://dx.doi.org/10.1016/S0043-1354\(03\)00005-8](http://dx.doi.org/10.1016/S0043-1354(03)00005-8).
- Behtash, S; Lu, J; Mamun, O; Williams, CT; Monnier, JR; Heyden, A. (2016). Solvation Effects in the Hydrodeoxygenation of Propanoic Acid over a Model Pd(211) Catalyst. *J Phys Chem C.* 120: 2724-2736. <http://dx.doi.org/10.1021/acs.jpcc.5b10419>.
- Behtash, S; Lu, J; Walker, E; Mamun, O; Heyden, A. (2016). Solvent effects in the liquid phase hydrodeoxygenation of methyl propionate over a Pd(111) catalyst model. *J Catal.* 333: 171-183. <http://dx.doi.org/10.1016/j.jcat.2015.10.027>.
- Belaribi, FB; Boukais-Belaribi, G; Dahmoun, A; Dahmani, A; Mohammadi, AH; Richon, D. (2014). Experimental Measurements and Correlations of Excess Molar Enthalpies for the Binary and Ternary Mixtures of (Cyclohexane, 1,4-Dioxane and Piperidine) or (Cyclohexane, Morpholine and Piperidine) at 308.15 K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 59: 1629-1635. <http://dx.doi.org/10.1021/je500088z>.
- Belaribi, FB; Boukais-Belaribi, G; Mohammadi, AH; Richon, D. (2010). Excess Molar Enthalpies for the Binary and Ternary Mixtures of Cyclohexane, Tetrahydropyran, and Piperidine at 308.15 K and Atmospheric Pressure: Experimental Measurements and Correlations. *Journal of Chemical and Engineering Data.* 55: 303-307. <http://dx.doi.org/10.1021/je900347f>.
- Belaribi, FB; Dahmoun, A; Dahmani, A; Boukais-Belaribi, G; Mohammadi, AH; Richon, D. (2010). Experimental Measurements and Correlations of Excess Molar Enthalpies for the Binary and Ternary Mixtures of (Cyclohexane, Tetrahydropyran, and Morpholine) or (Cyclohexane, 1,4-Dioxane, and Morpholine) at 308.15 K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 55: 2833-2839. <http://dx.doi.org/10.1021/je9010097>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Benes, L; Zima, V; Melanova, K; Trchova, M; Capkova, P; Koudelka, B; Matejka, P. (2002). Synthesis and characterization of vanadyl phosphate intercalated with dioxane, trioxane, and 18-crown-6. *Chem Mater.* 14: 2788-2795. <http://dx.doi.org/10.1021/cm021134+>.
- Benghedalia, D; Yosef, E. (1994). EFFECT OF ISOLATION PROCEDURE ON MOLECULAR-WEIGHT DISTRIBUTION OF WHEAT-STRAW LIGNINS. *J Agric Food Chem.* 42: 649-652.
- Benghedalia, D; Yosef, E; Miron, J; Huttermann, A; Majcherczyk, A; Milstein, O. (1994). CHARACTERIZATION OF LIGNINS IN STRAW, RUMEN LIQUOR AND FECES OF SHEEP FED UNTREATED AND SO₂-TREATED WHEAT-STRAW. *Anim Feed Sci Technol.* 47: 89-98.
- Benghedalia, D; Yosef, E; Solomon, R; Miron, J; Huttermann, A; Majcherczyk, A; Milstein, O. (1994). SIZE-EXCLUSION CHROMATOGRAPHY OF COTTON STALK LIGNINS ISOLATED FROM RUMEN DIGESTA AND FECES OF SHEEP. *J Agric Food Chem.* 42: 1160-1163.
- Bermudez-Salguero, C; Amigo, A; Gracia-Fadrique, J. (2012). Activity coefficients from Gibbs adsorption equation. *Fluid Phase Equilibria.* 330: 17-23. <http://dx.doi.org/10.1016/j.fluid.2012.06.006>.
- Bertinchamps, F; Cimpeanu, V; Gaigneaux, EM; Parvulescu, VI. (2007). The role of crystalline structure of molybdenum oxide catalysts onto the activity and stability in sulfoxidation of thioethers. *Appl Catal A-Gen.* 325: 283-289. <http://dx.doi.org/10.1016/j.apcata.2007.02.027>.
- Bettahalli, NMS; Steg, H; Wessling, M; Stamatialis, D. (2011). Development of poly(L-lactic acid) hollow fiber membranes for artificial vasculature in tissue engineering scaffolds. *J Memb Sci.* 371: 117-126. <http://dx.doi.org/10.1016/j.memsci.2011.01.026>.
- Betz, MW; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2009). Tissue response and orbital floor regeneration using cyclic acetal hydrogels. *J Biomed Mater Res A.* 90: 819-829. <http://dx.doi.org/10.1002/jbm.a.32131>.
- Betz, MW; Modi, PC; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2008). Cyclic acetal hydrogel system for bone marrow stromal cell encapsulation and osteodifferentiation. *J Biomed Mater Res A.* 86: 662-670. <http://dx.doi.org/10.1002/jbm.a.31640>.
- Bhat, K; Choi, J; McCall, SD; Aggarwal, MD; Cardelino, BH; Moore, CE; Penn, BG; Frazier, DO; Sanghadasa, M; Barr, TA; Laxmeshwar, NB. (1997). Theoretical and experimental study of the second-order polarizabilities of Schiff's bases for nonlinear optical applications. *Computational Materials Science.* 8: 309-316.
- Bhat, SD; Aminabhavi, TM. (2006). Novel sodium alginate composite membranes incorporated with SBA-15 molecular sieves for the pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane at 30 degrees C. *Microporous and Mesoporous Materials.* 91: 206-214. <http://dx.doi.org/10.1016/j.micromeso.2005.11.044>.
- Bhat, SD; Aminabhavi, TM. (2006). Novel sodium alginate-Na+MMT hybrid composite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. *Separation and Purification Technology.* 51: 85-94. <http://dx.doi.org/10.1016/j.seppur.2005.12.025>.
- Bhat, SD; Aminabhavi, TM. (2007). Pervaporation separation using sodium alginate and its modified membranes - A review. *Separation and Purification Reviews.* 36: 203-229. <http://dx.doi.org/10.1080/15422110701539061>.
- Bhat, SD; Aminabhavi, TM. (2007). Zeolite K-LTL-loaded sodium alginate mixed matrix membranes for pervaporation dehydration of aqueous-organic mixtures. *J Memb Sci.* 306: 173-185. <http://dx.doi.org/10.1016/j.memsci.2007.08.040>.
- Bhat, SD; Mallikarjuna, NN; Aminabhavi, TM. (2006). Microporous alumino-phosphate (AlPO₄-5) molecular sieve-loaded novel sodium alginate composite membranes for pervaporation dehydration of aqueous-organic mixtures near their azeotropic compositions. *J Memb Sci.* 282: 473-483. <http://dx.doi.org/10.1016/j.memsci.2006.06.006>.
- Bhatia, D; Braun, D; Choudhary, V. (2003). Studies on the copolymerization of cyclic ketene acetals with styrene. *Indian J Chem Tech.* 10: 548-557.
- Bhattacharya, S; Saha, BK. (2013). Polymorphism through Desolvation of the Solvates of a van der Waals Host. *Cryst Growth Des.* 13: 606-613. <http://dx.doi.org/10.1021/cg301269d>.
- Bhesaniya, K; Nandha, K; Baluja, S. (2014). Thermodynamics of Fluconazole Solubility in Various Solvents at Different Temperatures. *Journal of Chemical and Engineering Data.* 59: 649-652. <http://dx.doi.org/10.1021/je4010257>.
- Bicak, N; Senkal, BF; Sezer, E. (2005). Preparation of organo-soluble polyanilines in ionic liquid. *Synthetic Metals.* 155: 105-109. <http://dx.doi.org/10.1016/j.synthmet.2005.06.010>.
- Bicak, N; Soydan, AB; Senkal, BF; Koza, G; Yener, M. (1999). 1,2-Diaminoethane-containing epoxy resins for separation of aldehydes. *React Funct Polym.* 39: 197-205.
- Biordi, JC. (1970). KINETICS OF METHANOLYSIS OF BENZOYL CHLORIDE IN METHANOL-DIOXANE MIXTURES. *Journal of Chemical and Engineering Data.* 15: 166-&.
- Blokhra, RL; Parmar, ML; Chauhan, SC. (1983). TRANSPORT STUDIES OF WATER AND AQUEOUS DIOXANE THROUGH A PYREX SINTERED DISK IMPREGNATED WITH CELLULOSE-ACETATE. *J Memb Sci.* 14: 67-77.
- Blokhra, RL; Sakhuja, N. (1977). MOLAL VOLUMES OF LITHIUM, SODIUM, AND POTASSIUM-CHLORIDE IN MULTICOMPONENT ELECTROLYTE-SOLUTIONS (LiCl-NaCl-KCl-AQUEOUS DIOXANE). *Journal of Chemical and Engineering Data.* 22: 54-56.
- Bodzek, M; Bohdziewicz, J. (1991). POROUS POLYCARBONATE PHASE-INVERSION MEMBRANES. *J Memb Sci.* 60: 25-40.
- Bogen, KT. (1990). Uncertainty in environmental health risk assessment. New York, NY: Garland Publishing.
- Bonelli, B; Cozzolino, M; Tesser, R; Di Serio, M; Piumetti, M; Garrone, E; Santacesaria, E. (2007). Study of the surface acidity of TiO₂/SiO₂ catalysts by means of FTIR measurements of CO and NH₃ adsorption. *J Catal.* 246: 293-300. <http://dx.doi.org/10.1016/j.jcat.2006.12.015>.
- Boorman, GA; Morgan, KT; Uriah, LC. (1990). Nose, larynx and trachea. In GA Boorman; SL Eustis; MR Elwell; WF MacKenzie (Eds.), (pp. 315-337). San Diego, CA: Academic Press.
- Boraei, A; Mohamed, N. (2002). Effect of the medium on the ionization constants of some triazole compounds. *Ann Chim.* 92: 575-585.
- Boraei, AAA; Taha, F; Mohamed, AH; Ibrahim, SA. (2001). Medium effect and thermodynamic studies for the proton-ligand and metal-ligand formation constants of the ternary systems M-II + adenosine-5'-triphosphate (ATP) plus asparagine. *Journal of Chemical and Engineering Data.* 46: 267-275. <http://dx.doi.org/10.1021/je000221k>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Boscornea, C; David, A; Ioan, L; Teodorescu, M. (2013). Effect of Additives upon the Phase Transition Temperature of alpha,omega-(2-Hydroxyethoxy) Oligo(propylene oxide) in Aqueous Solutions. *Materiale Plastice*. 50: 163-166.
- Bose, SK; Francis, RC. (1999). The role of beta-O-4 cleavage in acidic organosolv pulping of softwoods. *Journal of Pulp & Paper Science*. 25: 425-430.
- Bosiak, MJ; Trzaska, P; Kedziera, D; Adams, J. (2016). Synthesis and photoluminescence properties of star-shaped 2,3,6,7-tetrasubstituted benzo[1,2-b:4,5-b']difurans. *Dyes and Pigments*. 129: 199-208. <http://dx.doi.org/10.1016/j.dyepig.2016.01.025>.
- Bossmann, SH; Troscher, G; Oliveros, E; Braun, AM. (1996). Light-induced decomposition of perinaphthenone (phenalenone) in N,N-dimethylacetamide, 1,4-dioxane and 2-propanol. *Journal of Information Recording*. 23: 171-173.
- Bothun, GD; Ni, Q; Ilias, S. (2008). Solvent-dependent permeability in asymmetric ceramic membranes with tortuous or non-tortuous mesopores. *J Memb Sci*. 325: 982-988. <http://dx.doi.org/10.1016/j.memsci.2008.09.026>.
- Boukais-Belaribi, G; Mohammadi, AH; Belaribi, FB; Richon, D. (2009). Excess Molar Enthalpies for the Binary and Ternary Mixtures of Cyclohexane, Tetrahydropyran, and 1,4-Dioxane at 308.15 K and Atmospheric Pressure: Experimental Measurements and Correlations. *Journal of Chemical and Engineering Data*. 54: 2513-2516. <http://dx.doi.org/10.1021/jc900077g>.
- Bouxin, F; Baumberger, S; Pollet, B; Haudrechy, A; Renault, JH; Dole, P. (2010). Acidolysis of a lignin model: investigation of heterogeneous catalysis using Montmorillonite clay. *Bioresour Technol*. 101: 736-744. <http://dx.doi.org/10.1016/j.biortech.2009.08.037>.
- Bowen, WR; Cheng, SY; Doneva, TA; Oatley, DL. (2005). Manufacture and characterisation of polyetherimide/sulfonated poly(ether ether ketone) blend membranes. *J Memb Sci*. 250: 1-10. <http://dx.doi.org/10.1016/j.memsci.2004.07.004>.
- Bracke, G; Satir, M; Krauss, P. (1995). The cryptand [222] for exchanging cations of micas. *Clays and Clay Minerals*. 43: 732-737.
- Brahman, D; Sinha, B. (2011). Partial Molar Volumes and Viscosity B-Coefficients of N,N'-Ethylene-bis(salicylideneiminato)cobalt(II) in Binary Mixtures of 1,4-Dioxane + Methanol at T = (298.15, 303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 56: 3073-3082. <http://dx.doi.org/10.1021/jc200145r>.
- Brandao, JC; Bohets H, HL; Van De VYVER, IE; Dierickx, PJ. (1992). Correlation between the in vitro cytotoxicity to cultured fathead minnow fish cells and fish lethality data for 50 chemicals. *Chemosphere*. 25: 553-562.
- Brandi, RJ; Citroni, MA; Alfano, OM; Cassano, AE. (2003). Absolute quantum yields in photocatalytic slurry reactors. *Chem Eng Sci*. 58: 979-985. [http://dx.doi.org/10.1016/S0009-2509\(02\)00638-3](http://dx.doi.org/10.1016/S0009-2509(02)00638-3).
- Brasack, I; Bottcher, H; Hempel, U. (2000). Biocompatibility of modified silica-protein composite layers. *Journal of Sol-Gel Science and Technology*. 19: 479-482.
- Bratychak, M; Brostow, W. (1999). Synthesis and properties of peroxy derivatives of epoxy resins based on bisphenol A. 1. Effects of the presence of inorganic bases. *Polymer Engineering and Science*. 39: 1541-1549.
- Braun, DE; Griesser, UJ. (2016). Why Do Hydrates (Solvates) Form in Small Neutral Organic Molecules? Exploring the Crystal Form Landscapes of the Alkaloids Brucine and Strychnine. *Cryst Growth Des*. 16: 6405-6418. <http://dx.doi.org/10.1021/acs.cgd.6b01078>.
- Braun, DE; Karamertzanis, PG; Arlin, JB; Florence, AJ; Kahlenberg, V; Tocher, DA; Griesser, UJ; Price, SL. (2011). Solid-State Forms of β -Resorcylic Acid: How Exhaustive Should a Polymorph Screen Be? *Cryst Growth Des*. 11: 210-220. <http://dx.doi.org/10.1021/cg101162a>.
- Brocos, P; Calvo, E; Amigo, A; Bravo, R; Pintos, M; Roux, AH; Roux-Desgranges, G. (1998). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 2. Binary systems 1,3-dioxolane plus n-alkanes. *Journal of Chemical and Engineering Data*. 43: 112-116.
- Brocos, P; Calvo, E; Bravo, R; Pintos, M; Amigo, A. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 3. Binary systems {tetrahydrofuran, tetrahydropyran, 1,4-dioxane, or 1,3-dioxolane plus cyclohexane or toluene}. *Journal of Chemical and Engineering Data*. 44: 67-72.
- Brocos, P; Calvo, E; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 5. Binary systems {1,3-dioxolane+1-alkanols}. *Journal of Chemical and Engineering Data*. 44: 1341-1347.
- Brocos, P; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (2003). Thermodynamics of mixtures involving some linear or cyclic ketones and cyclic ethers. 2. Systems containing tetrahydropyran. *Journal of Chemical and Engineering Data*. 48: 712-719. <http://dx.doi.org/10.1021/jc025649t>.
- Brocos, P; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (2003). Thermodynamics of mixtures involving some linear or cyclic ketones and cyclic ethers. 3. Systems containing 1,4-dioxane. *Journal of Chemical and Engineering Data*. 48: 1055-1061. <http://dx.doi.org/10.1021/jc0340371>.
- Bruchet, A; Hochereau, C; Campos, C. (2007). An acute taste and odour episode solved by olfactory GC-MS. *Water Sci Technol*. 55: 223-230. <http://dx.doi.org/10.2166/wst.2007.183>.
- Bruno, TJ; Lovestead, TM; Huber, ML; Riggs, JR. (2011). Comparison of Diesel Fuel Oxygenate Additives to the Composition-Explicit Distillation Curve Method. Part 2: Cyclic Compounds with One to Two Oxygens. *Energy Fuels*. 25: 2508-2517. <http://dx.doi.org/10.1021/ef2003427>.
- Brzozowska, T; Zielinski, J; Ciesinska, W. (2006). Radical polymerization of styrene and methyl methacrylate in a microwave reactor. *Przemysł Chemiczny*. 85: 507-509.
- Budoace, S; Cimpeanu, V; Parvulescu, V; Centeno, MA; Grange, P; Parvulescu, VI. (2004). Chemoselective oxidation of 2-thiomethyl-4,6-dimethyl-pyrimidine on nanostructured tantalum oxides. *Catalysis Today*. 91-2: 219-223. <http://dx.doi.org/10.1016/j.cattod.2004.03.037>.
- Bui, VT; Hamdouni, A; Leonard, J. (1992). INTERACTIVE BEHAVIOR OF THE ALPHA-METHYLSTYRENE TOLUENE MIXTURE. *Can J Chem Eng*. 70: 153-158.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Bulkley, D; Kember, T; Berberian, J. (2007). Dipole moment of 3-bromopentane in various solvents. *Journal of Non-Crystalline Solids*. 353: 4552-4554. <http://dx.doi.org/10.1016/j.jnoncrysol.2007.02.084>.
- Bunzel, M; Ralph, J. (2006). NMR characterization of lignins isolated from fruit and vegetable insoluble dietary fiber. *J Agric Food Chem*. 54: 8352-8361. <http://dx.doi.org/10.1021/jf061525z>.
- Burke, SE; Eisenberg, A. (2001). Effect of sodium dodecyl sulfate on the morphology of polystyrene-b-poly(acrylic acid) aggregates in dioxane-water mixtures. *Langmuir*. 17: 8341-8347. <http://dx.doi.org/10.1021/la010663+>.
- Burke, SE; Eisenberg, A. (2001). Kinetics and mechanisms of the sphere-to-rod and rod-to-sphere transitions in the ternary system PS310-b-PAA(52)/dioxane/water. *Langmuir*. 17: 6705-6714. <http://dx.doi.org/10.1021/la010640v>.
- Caira, MR; Stieger, N; Liebenberg, W; De Villieris, MM; Samsodien, H. (2008). Solvent inclusion by the anti-HIV drug nevirapine: X-ray structures and thermal decomposition of representative solvates. *Cryst Growth Des*. 8: 17-23. <http://dx.doi.org/10.1021/cg070522r>.
- Cakar, F; Sakar, D; Cankurtaran, O; Karaman, F. (2009). Miscibility criteria of blends of poly(2,6-di methyl-1,4-phenylene oxide)/A copolyester of bisphenol-A with terephthalic and isophthalic acids by viscometric analysis. *Optoelectronics and Advanced Materials Rapid Communications*. 3: 1106-1109.
- Cal/EPA. (2013). Proposition 65 list of chemicals: Chemicals known to the state to cause cancer or reproductive toxicity. Sacramento, CA: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. http://www.oehha.ca.gov/prop65/prop65_list/files/P65single072613.pdf.
- Calimli, A; Olcay, A. (1982). SUPERCRITICAL DIOXANE EXTRACTION OF SPRUCE WOOD AND OF DIOXANE-LIGNIN AND COMPARISON OF THE EXTRACTS WITH THE PYROLYSIS PRODUCTS. *Separation Science and Technology*. 17: 183-197.
- Calvaruso, G; Cavasino, FP; Didio, E. (1973). KINETICS AND MECHANISM OF ACID-HYDROLYSIS OF PARA-SUBSTITUTED BENZOIC ANHYDRIDES IN DIOXANE-WATER MIXTURES. *Ann Chim*. 63: 663-674.
- Calvo, E; Artal, M; Embid, JM; Velasco, I; Otin, S. (1999). Isothermal vapor-liquid equilibria of 1,3-dioxolane or 1,4-dioxane plus hexane or plus cyclohexane or plus ethanol mixtures at T = 308.15 K. *Journal of Chemical and Engineering Data*. 44: 193-196.
- Calvo, E; Brocos, P; Bravo, R; Pintos, M; Amigo, A; Roux, AH; Roux-Desgranges, G. (1998). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 1. Binary systems 1,4-dioxane plus n-alkanes. *Journal of Chemical and Engineering Data*. 43: 105-111.
- Calvo, E; Brocos, P; Pineiro, A; Pintos, M; Amigo, A; Bravo, R; Roux, AH; Roux-Desgranges, G. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 4. Binary systems 1,4-dioxane+1-alkanols. *Journal of Chemical and Engineering Data*. 44: 948-954.
- Calvo, E; Penas, A; Pintos, M; Bravo, R; Amigo, A. (2001). Refractive indices and surface tensions of binary mixtures of 1,4-dioxane+1-alkanols at 298.15 K. *Journal of Chemical and Engineering Data*. 46: 692-695.
- Can, HK; Parvizikhosroshahi, S; Uluişik, EC. (2016). Studies of miscibility and specific interactions of antitumor-active anhydride copolymer and poly(ethylene glycol) blends. 44: 680-689. <http://dx.doi.org/10.3109/21691401.2014.980506>.
- Cao, T; Yin, W; Armstrong, JL; Webber, SE. (1994). ADSORPTION OF PHOTOACTIVE AMPHIPHILIC POLYMERS ONTO HYDROPHOBIC POLYMER-FILMS - POLYSTYRENE-BLOCK-POLY(2-VINYLNAPHTHALENE)-BLOCK-POLY(METHACRYLIC ACID). *Langmuir*. 10: 1841-1847.
- Capanema, E; Balakshin, M; Katahira, R, ui; Chang, H, ounin; Jameel, H. (2015). HOW WELL DO MWL AND CEL PREPARATIONS REPRESENT THE WHOLE HARDWOOD LIGNIN? *Journal of Wood Chemistry and Technology*. 35: 17-26. <http://dx.doi.org/10.1080/02773813.2014.892993>.
- Cardenas, ZJ; Jimenez, DM; Martinez, F. (2015). Solubility and Saturation Apparent Volume of Propranolol Hydrochloride in Some Binary Aqueous Cosolvent Mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 60: 1520-1525. <http://dx.doi.org/10.1021/acs.jced.5b00167>.
- Carfi Pavia, F; Palumbo, FS; La Carrubba, V; Bongiovì, F; Brucato, V; Pitarresi, G; Giammona, G. (2016). Modulation of physical and biological properties of a composite PLLA and polyaspartamide derivative obtained via thermally induced phase separation (TIPS) technique. *Mater Sci Eng C*. 67: 561-569. <http://dx.doi.org/10.1016/j.msec.2016.05.040>.
- Carpenter, SP; Lasker, JM; Raucy, JL. (1996). Expression, induction, and catalytic activity of the ethanol-inducible cytochrome P450 (CYP2E1) in human fetal liver and hepatocytes. *Mol Pharmacol*. 49: 260-268.
- Carrera, G; Vegué, L; Boleda, MR; Ventura, F. (2017). Simultaneous determination of the potential carcinogen 1,4-dioxane and malodorous alkyl-1,3-dioxanes and alkyl-1,3-dioxolanes in environmental waters by solid-phase extraction and gas chromatography tandem mass spectrometry. *J Chromatogr A*. 1487: 1-13. <http://dx.doi.org/10.1016/j.chroma.2017.01.015>.
- Carriazo, D; Martin, C; Rives, V; Popescu, A; Cojocar, B; Mandache, I; Parvulescu, VI. (2006). Hydrotalcites composition as catalysts: Preparation and their behavior on epoxidation of two bicycloalkenes. *Microporous and Mesoporous Materials*. 95: 39-47. <http://dx.doi.org/10.1016/j.micromeso.2006.05.004>.
- Carter, VJ; Wright, PA; Gale, JD; Morris, RE; Sastre, E; Perezpariente, J. (1997). AlMePO-beta: inclusion and thermal removal of structure directing agent and the topotactic reconstructive transformation to its polymorph AlMePO-alpha. *J Mater Chem*. 7: 2287-2292.
- Casada, ME; Ram, MS; Flinn, PW. (2008). Thermal design of shipping containers for beneficial insects. *Appl Eng Agr*. 24: 63-70.
- Castellari, C; Francesconi, R; Comelli, F. (1984). VAPOR LIQUID EQUILIBRIA IN BINARY-SYSTEMS CONTAINING 1,3-DIOXOLANE AT ISOBARIC CONDITIONS .4. BINARY-MIXTURES OF 1,3-DIOXOLANE WITH 1,4-DIOXANE AND 1,1,2,2-TETRACHLOROETHANE. *Journal of Chemical and Engineering Data*. 29: 126-128.
- Castellarnau, M; Ramón-Azcón, J; Gonzalez-Quinteiro, Y; López, JF; Grimalt, JO; Marco, MP; Nieuwenhuijsen, M; Picado, A. (2017). Assessment of analytical methods to determine pyrethroids content of bednets. *Trop Med Int Health*. 22: 41-51. <http://dx.doi.org/10.1111/tmi.12794>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Castro, MCR; Belsley, M; Raposo, MMM. (2016). Push-pull second harmonic generation chromophores bearing pyrrole and thiazole heterocycles functionalized with several acceptor moieties: Syntheses and characterization. *Dyes and Pigments*. 128: 89-95. <http://dx.doi.org/10.1016/j.dyepig.2016.01.015>.
- Castro, MCR; Belsley, M; Raposo, MMM. (2016). Synthesis and characterization of push-pull bithienylpyrrole NLOphores with enhanced hyperpolarizabilities. *Dyes and Pigments*. 131: 333-339. <http://dx.doi.org/10.1016/j.dyepig.2016.04.027>.
- Catriniciuc, M; Iulian, O; Omota, LM; Ciocirlan, O. (2006). Viscosity and density of binary and ternary systems with water, 1,4-dioxane and diethylene glycol at 303.15K. *Rev Chim*. 57: 687-692.
- CDPH. (2011). 1,4-Dioxane for Drinking Water Systems. <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/1,4-dioxane.aspx>.
- Cebrián, C; Natali, M; Villa, D; Panigati, M; Mauro, M; D'Alfonso, G; De Cola, L. (2015). Luminescent supramolecular soft nanostructures from amphiphilic dinuclear Re(II) complexes. *Nanoscale*. 7: 12000-12009. <http://dx.doi.org/10.1039/c5nr01668a>.
- Chakrabarti, S; Aditya, S. (1972). ELECTROMOTIVE FORCE STUDIES OF CELL, CDXHG/CDSO4(M)/HG2SO4,HG, IN DIOXANE-WATER MEDIA. *Journal of Chemical and Engineering Data*. 17: 46-+.
- Chang, CJ; Hsu, SH. (2006). The effect of high outflow permeability in asymmetric poly(dl-lactic acid-co-glycolic acid) conduits for peripheral nerve regeneration. *Biomaterials*. 27: 1035-1042. <http://dx.doi.org/10.1016/j.biomaterials.2005.07.003>.
- Charles-Harris, M; Navarro, M; Engel, E; Aparicio, C; Ginebra, MP; Planell, JA. (2005). Surface characterization of completely degradable composite scaffolds. *J Mater Sci Mater Med*. 16: 1125-1130. <http://dx.doi.org/10.1007/s10856-005-4717-4>.
- Chartres, CJ; Ringrosevoase, AJ; Raupach, M. (1989). A COMPARISON BETWEEN ACETONE AND DIOXANE AND EXPLANATION OF THEIR ROLE IN WATER REPLACEMENT IN UNDISTURBED SOIL SAMPLES. *Journal of Soil Science*. 40: 849-863.
- Chaturvedi, B; Srivastava, AK. (1993). STYRENE-ARSENIC SULFIDE COMPLEX INITIATED POLYMERIZATION OF CHROMIUM ACRYLATE. 31: 851-854.
- Chauhan, S; Jyoti, J; Sharma, K; Kumar, K. (2014). A conductance study to analyze the effect of organic solvents on micellization behavior of carbohydrate-surfactant system at variable temperatures. *Fluid Phase Equilibria*. 375: 286-292. <http://dx.doi.org/10.1016/j.fluid.2014.05.020>.
- Chen, CM; Chang, CH. (2000). Surfactant concentration-dependent effects of pH on the interfacial properties of a splittable surfactant. *Ind Eng Chem Res*. 39: 3726-3731.
- Chen, D; Jin, X; Chen, J; Ye, J; Jiang, N; Chen, JM. (2016). Intermediates and substrate interaction of 1,4-dioxane degradation by the effective metabolizer *Xanthobacter flavus* DT8. *Int Biodeterior Biodegradation*. 106: 133-140. <http://dx.doi.org/10.1016/j.ibiod.2015.09.018>.
- Chen, DZ; Ding, YF; Zhou, YY; Ye, JX; Chen, JM. (2015). Biodegradation kinetics of tetrahydrofuran, benzene, toluene, and ethylbenzene as multi-substrate by *Pseudomonas oleovorans* DT4. *Int J Environ Res Public Health*. 12: 371-384. <http://dx.doi.org/10.3390/ijerph120100371>.
- Chen, H; Wang, CG; Liang, Y; Cai, HS. (2003). Kinetics of copolymerization of acrylonitrile with N-vinylpyrrolidone in H₂O/dimethyl sulphoxide mixture. *Chinese Journal of Chemical Engineering*. 11: 166-169.
- Chen, J; Chen, J; Liu, J, un; Zhao, S; Zheng, H; Gu, Y, ao. (2017). Coupled phase-reaction equilibrium for dihydromyrcene hydration system. *Fluid Phase Equilibria*. 433: 10-20. <http://dx.doi.org/10.1016/j.fluid.2016.11.007>.
- Chen, J, uis; Tu, S, hul; Tsay, RY, ug. (2010). A morphological study of porous polylactide scaffolds prepared by thermally induced phase separation. *Taiwan Institute of Chemical Engineers Journal*. 41: 229-238. <http://dx.doi.org/10.1016/j.jtice.2009.08.008>.
- Chen, JH, ua; Liu, QL, in; Zhang, X, iuHua; Zhang, Q, iuGen. (2007). Pervaporation and characterization of chitosan membranes cross-linked by 3-aminopropyltriethoxysilane. *J Memb Sci*. 292: 125-132. <http://dx.doi.org/10.1016/j.memsci.2007.01.026>.
- Chen, JH, ua; Liu, QL, in; Zhu, A, iMei; Zhang, Q, iuGen. (2008). Dehydration of acetic acid by pervaporation using SPEK-C/PVA blend membranes. *J Memb Sci*. 320: 416-422. <http://dx.doi.org/10.1016/j.memsci.2008.04.034>.
- Chen, JM; Zhou, YY; Chen, DZ; Jin, XJ. (2010). A newly isolated strain capable of effectively degrading tetrahydrofuran and its performance in a continuous flow system. *Bioresour Technol*. 101: 6461-6467. <http://dx.doi.org/10.1016/j.biortech.2010.03.064>.
- Chen, JY; Shimizu, Y; Takai, M; Hayashi, J. (1995). A METHOD FOR ISOLATION OF MILLED-WOOD LIGNIN INVOLVING SOLVENT SWELLING PRIOR TO ENZYME TREATMENT. *Wood Science and Technology*. 29: 295-306.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication and characterization of modified nanofibrous poly(L-lactic acid) scaffolds by thermally induced phase separation technique and aminolysis for promoting cytocompatibility. *J Biomater Sci Polym Ed*. 27: 1058-1068. <http://dx.doi.org/10.1080/09205063.2016.1180830>.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication of nanofibrous tubular scaffolds for bone tissue engineering. *Mater Lett*. 182: 289-293. <http://dx.doi.org/10.1016/j.matlet.2016.07.015>.
- Chen, SC; Zhang, Z, hiHui; Huang, K, unLin; Chen, Q, un; He, MY; Cui, A, iJun; Li, C; Liu, Q, i; Du, M. (2008). Solvent-controlled assembly of manganese(II) tetrachloroterephthalates with 1D chain, 2D layer, and 3D coordination Architectures. *Cryst Growth Des*. 8: 3437-3445. <http://dx.doi.org/10.1021/cg8003905>.
- Chen, T; Wang, B; Li, Y; Liu, L, ei; Qiu, S. (2015). Hydrothermal synthesis of tin containing mesoporous silicas and their catalytic performance over Baeyer-Villiger oxidation of cyclohexanone to epsilon-caprolactone: comparison of Sn/MCM-41 and Sn/SBA-15. *Journal of Porous Materials*. 22: 949-957. <http://dx.doi.org/10.1007/s10934-015-9968-y>.
- Chen, Y; Choi, S; Thompson, LT. (2016). Low temperature CO₂ hydrogenation to alcohols and hydrocarbons over Mo₂C supported metal catalysts. *J Catal*. 343: 147-156. <http://dx.doi.org/10.1016/j.jcat.2016.01.016>.
- Chen, YY; Yuan, XZ. (1994). SYNTHESIS AND PROPERTIES OF 1-(2-AMINOETHYL)PIPERAZINE RESIN USED IN THE SORPTION OF THE PLATINUM-GROUP AND GOLD IONS. 23: 165-172.
- Cheng, T; Zhang, G; Xia, Y; Ji, Q; Xiao, Y; Wang, X; Wang, M; Liu, R, ui; Qiu, B, ao; Chen, G; Chen, H; Sun, Z; Meng, JQ; Liu, Z; Xiao, T; Sun, LD; Yan, C; Cheng, Y. (2016). Template-free synthesis of titania architectures with controlled morphology evolution. *Journal of Materials Science*. 51: 3941-3956. <http://dx.doi.org/10.1007/s10853-015-9713-6>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Cheng, Y, aJun; Zhou, S; Wolkenhauer, M; Bumbu, GG; Lenz, S; Memesa, M; Nett, S; Emmerling, S; Steffen, W; Roth, SV; Gutmann, JS. (2015). Effect of Sol-Gel Reaction Time on the Morphology Transition in Mesoporous Titania/PS-b-PEO Composite Films. 7: 924-933. <http://dx.doi.org/10.1166/sam.2015.1957>.
- Chernyak, Y. (2006). Dielectric constant, dipole moment, and solubility parameters of some cyclic acid esters. *Journal of Chemical and Engineering Data*. 51: 416-418. <http://dx.doi.org/10.1021/je050341y>.
- Chester, TL; Haynes, BS. (1997). Estimation of pressure-temperature critical loci of CO₂ binary mixtures with methyl-tert-butyl ether, ethyl acetate, methyl-ethyl ketone, dioxane and decane. *Journal of Supercritical Fluids*. 11: 15-20.
- Chiang, SY; Mora, R; Diguiseppi, WH; Davis, G; Sublette, K; Gedalanga, P; Mahendra, S. (2012). Characterizing the intrinsic bioremediation potential of 1,4-dioxane and trichloroethene using innovative environmental diagnostic tools. *J Environ Monit*. 14: 2317-2326. <http://dx.doi.org/10.1039/c2em30358b>.
- Childs, SL; Hardcastle, KI. (2007). Cocrystals of piroxicam with carboxylic acids. *Cryst Growth Des*. 7: 1291-1304. <http://dx.doi.org/10.1021/cg060742p>.
- Chiou, CT; Kile, DE. (1994). EFFECTS OF POLAR AND NONPOLAR GROUPS ON THE STABILITY OF ORGANIC-COMPOUNDS IN SOIL ORGANIC-MATTER. *Environ Sci Technol*. 28: 1139-1144.
- Chitra, S; Paramasivan, K; Cheralathan, M; Sinha, PK. (2012). Degradation of 1,4-dioxane using advanced oxidation processes. *Environ Sci Pollut Res Int*. 19: 871-878. <http://dx.doi.org/10.1007/s11356-011-0619-9>.
- Choi, H, gyu; Yoon, SH; Son, M; Celik, E; Park, H; Choi, H. (2016). Efficacy of synthesis conditions on functionalized carbon nanotube blended cellulose acetate membrane for desalination. *Desalination and Water Treatment*. 57: 7545-7554. <http://dx.doi.org/10.1080/19443994.2015.1025582>.
- Choi, IH; Kim, IC; Min, BR; Lee, KH. (2006). Preparation and characterization of ultrathin alumina hollow fiber microfiltration membrane. *Desalination*. 193: 256-259. <http://dx.doi.org/10.1016/j.desal.2005.07.051>.
- Choi, JY; Lee, YJ; Shin, J; Yang, JW. (2010). Anodic oxidation of 1,4-dioxane on boron-doped diamond electrodes for wastewater treatment. *J Hazard Mater*. 179: 762-768. <http://dx.doi.org/10.1016/j.jhazmat.2010.03.067>.
- Choi, K; Tedder, DW. (1997). Molecular interactions in chloroform-diluent mixtures. *AIChE J*. 43: 196-211.
- Choi, P, iGyu; Ohno, T; Fukuhara, N; Masui, T; Imanaka, N. (2015). Catalytic liquid phase oxidation of 1,4-dioxane over a Pt/CeO₂-ZrO₂-Bi₂O₃/SBA-16 catalyst. 4: 71-75. <http://dx.doi.org/10.1007/s40145-015-0135-3>.
- Choucair, A; Eisenberg, A. (2003). Control of amphiphilic block copolymer morphologies using solution conditions. *Eur Phys J E Soft Matter*. 10: 37-44. <http://dx.doi.org/10.1140/epje/e2003-00002-5>.
- Choucair, A; Lavigneur, C; Eisenberg, A. (2004). Polystyrene-b-poly(acrylic acid) vesicle size control using solution properties and hydrophilic block length. *Langmuir*. 20: 3894-3900. <http://dx.doi.org/10.1021/la035924p>.
- Choucair, A; Soo, PL; Eisenberg, A. (2005). Active loading and tunable release of doxorubicin from block copolymer vesicles. *Langmuir*. 21: 9308-9313. <http://dx.doi.org/10.1021/la050710o>.
- Choucair, AA; Kycia, AH; Eisenberg, A. (2003). Kinetics of fusion of polystyrene-b-poly(acrylic acid) vesicles in solution. *Langmuir*. 19: 1001-1008. <http://dx.doi.org/10.1021/la026187k>.
- Choudhari, SK; Premakshi, HG; Kariduraganavar, MY. (2016). Preparation and Pervaporation Performance of Chitosan-Poly(methacrylic acid) Polyelectrolyte Complex Membranes for Dehydration of 1,4-Dioxane. *Polymer Engineering and Science*. 56: 715-724. <http://dx.doi.org/10.1002/pen.24298>.
- Christoffers, J; Werner, T; Roessle, M. (2007). Cerium-catalyzed oxidative C-C bond forming reactions. *Catalysis Today*. 121: 22-26. <http://dx.doi.org/10.1016/j.cattod.2006.11.008>.
- Christou, G; Young, CL; Svejda, P. (1991). GAS-LIQUID CRITICAL-TEMPERATURES OF MIXTURES OF PROPANE, BUTANE, PENTANE, SULFUR-HEXAFLUORIDE, DICHLORODIFLUOROMETHANE AND CHLOROTRIFLUOROMETHANE WITH LESS VOLATILE COMPOUNDS OF A RANGE OF VARYING POLARITIES. *Fluid Phase Equilibria*. 67: 45-53.
- Chromiak, E. (2000). Impact of the aqueous-organic medium on the mobility of H₃O⁺ and OH⁻. *Przemysł Chemiczny*. 79: 133-+.
- Cibulka, I. (2013). Partial Molar Isentropic Compressions of Selected Cyclic Ethers at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. *Journal of Chemical and Engineering Data*. 58: 1249-1254. <http://dx.doi.org/10.1021/je301352v>.
- Cijo, MX; Basavaiah, K; Abdulrahman, SAM; Vinay, KB. (2011). SPECTROPHOTOMETRIC DETERMINATION OF REPAGLINIDE IN TABLETS BASED ON CHARGE-TRANSFER COMPLEXATION REACTION WITH CHLORANILIC ACID AND DICHLORO-DICYANO BENZOQUINONE. *Chemical Industry and Chemical Engineering Quarterly*. 17: 469-476. <http://dx.doi.org/10.2298/CICEQ110528033C>.
- Cilliers, JJJ; Singleton, VL. (1991). CHARACTERIZATION OF THE PRODUCTS OF NONENZYMIC AUTOXIDATIVE PHENOLIC REACTIONS IN A CAFFEIC ACID MODEL SYSTEM. *J Agric Food Chem*. 39: 1298-1303.
- Cimpeanu, V; Parvulescu, V; Parvulescu, VI; Thompson, JM; Hardacre, C. (2006). Thioethers oxidation on dispersed Ta-silica mesoporous catalysts in ionic liquids. *Catalysis Today*. 117: 126-132. <http://dx.doi.org/10.1016/j.cattod.2006.05.021>.
- Ciobanu, M; Cojocar, B; Teodorescu, C; Vasiliu, F; Coman, SM; Leitner, W; Parvulescu, VI. (2012). Heterogeneous amination of bromobenzene over titania-supported gold catalysts. *J Catal*. 296: 43-54. <http://dx.doi.org/10.1016/j.jcat.2012.09.002>.
- Ciocirlan, O; Croitoru, O; Lulian, O. (2014). Density and Refractive Index of Binary Mixtures of Two 1-Alkyl-3-methylimidazolium Ionic Liquids with 1,4-Dioxane and Ethylene Glycol. *Journal of Chemical and Engineering Data*. 59: 1165-1174. <http://dx.doi.org/10.1021/je400659p>.
- Ciocirlan, O; lulian, O. (2008). Viscosity in dimethyl sulfoxide+1,4-dimethylbenzene system. *Rev Chim*. 59: 45-48.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Cipolloni, M; Heynderickx, A; Maurel, F; Perrier, A; Jacquemin, D; Siri, O; Ortica, F; Favaro, G. (2011). Multiswitchable Acidochromic and Photochromic Bisdiarylethene. An Experimental and Theoretical Study. *J Phys Chem C*. 115: 23096-23106. <http://dx.doi.org/10.1021/jp205681p>.
- Clawson, GA; Blankenship, LJ; Rhame, JG; Wilkinson, DS. (1992). Nuclear enlargement induced by hepatocarcinogens alters ploidy. *Cancer Res*. 52: 1304-1308.
- Climent, MJ; Corma, A; Velty, A. (2004). Synthesis of hyacinth, vanilla, and blossom orange fragrances: the benefit of using zeolites and delaminated zeolites as catalysts. *Appl Catal A-Gen*. 263: 155-161. <http://dx.doi.org/10.1016/j.apcata.2003.12.007>.
- Cocchi, G; De Angelis, MG; Sadowski, G; Doghieri, F. (2014). Modelling polylactide/water/dioxane systems for TIPS scaffold fabrication. *Fluid Phase Equilibria*. 374: 1-8. <http://dx.doi.org/10.1016/j.fluid.2014.04.007>.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Degradation of 1,4-dioxane in water using TiO₂ based photocatalytic and H₂O₂/UV processes. *J Hazard Mater*. 146: 496-501. <http://dx.doi.org/10.1016/j.jhazmat.2007.04.049>.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Removal of contaminants of concern in water using advanced oxidation techniques. *Water Sci Technol*. 55: 301-306. <http://dx.doi.org/10.2166/wst.2007.421>.
- Colic, M; Fuerstenau, DW. (1997). Influence of the dielectric constant of the media on oxide stability in surfactant solutions. *Langmuir*. 13: 6644-6649.
- Comelli, F; Francesconi, R. (1992). Excess molar enthalpies and excess molar volumes of 1,2,4-trimethylbenzene plus cyclic ethers at 298.15-K. *Journal of Chemical and Engineering Data*. 37: 319-322.
- Comelli, F; Francesconi, R. (1996). Excess Molar Enthalpies and Excess Molar Volumes of Propionic Acid + Octane, + Cyclohexane, + 1,3,5-Trimethylbenzene, + Oxane, or + 1,4-Dioxane at 313.15 K. *Journal of Chemical and Engineering Data*. 41: 101-104. <http://dx.doi.org/10.1021/je950194b>.
- Commonwealth of Massachusetts. (2012). Standards and guidelines for contaminants in Massachusetts drinking water. Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs, Department of Environmental Protection, Office of Research and Standards. <http://www.mass.gov/dep/water/dwstand.pdf>.
- Congost, MA; Salvatierra, D; Marques, G; Bourdelande, JL; Font, J; Valiente, M. (1996). A novel phosphine sulphide functionalized polymer for the selective separation of Pd(II) and Au(III) from base metals. *React Funct Polym*. 28: 191-200.
- Connecticut. (2012). Fact Sheet: 1,4-dioxane in well water [Fact Sheet]. Hartford, CT: Connecticut Department of Public Health. Environmental & Occupational Health Assessment Program. http://www.ct.gov/dph/lib/dph/environmental_health/eoha/pdf/1_4_dioxane.pdf.
- Contreras, M. (2001). Densities and viscosities of binary mixtures of 1,4-dioxane with 1-propanol and 2-propanol at (25, 30, 35, and 40) degrees C. *Journal of Chemical and Engineering Data*. 46: 1149-1152.
- Corma, A; Fornes, V; Iborra, S; Mifsud, M; Renz, M. (2004). One-pot synthesis of phenols from aromatic aldehydes by Baeyer-Villiger oxidation with H₂O₂ using water-tolerant Lewis acids in molecular sieves. *J Catal*. 221: 67-76. [http://dx.doi.org/10.1016/S0021-9517\(03\)00291-4](http://dx.doi.org/10.1016/S0021-9517(03)00291-4).
- Costa, VM; de Souza, MCM; Fechine, PBA; Macedo, AC; Goncalves, LRB. (2016). NANOBIOCATALYTIC SYSTEMS BASED ON LIPASE-Fe₃O₄ AND CONVENTIONAL SYSTEMS FOR ISONIAZID SYNTHESIS: A COMPARATIVE STUDY. *Brazilian Journal of Chemical Engineering*. 33: 661-673. <http://dx.doi.org/10.1590/0104-6632.20160333s20150137>.
- Cosut, B; Yesilot, S; Durmus, M; Kilic, A. (2013). Synthesis and fluorescence properties of hexameric and octameric subphthalocyanines based cyclic phosphazenes. *Dyes and Pigments*. 98: 442-449. <http://dx.doi.org/10.1016/j.dyepig.2013.03.028>.
- Cozzolino, M; Tesser, R; Di Serio, M; D'Onofrio, P; Santacesaria, E. (2007). Kinetics of the oxidative dehydrogenation (ODH) of methanol to formaldehyde by supported vanadium-based nanocatalysts. *Catalysis Today*. 128: 191-200. <http://dx.doi.org/10.1016/j.cattod.2007.06.072>.
- Crockford, RH; Willett, JR. (1995). DRYING AND OXIDATION EFFECTS ON THE MAGNETIC-PROPERTIES OF SULFIDIC MATERIAL DURING OXIDATION. *Aust J Soil Res*. 33: 19-29.
- Cui, J; Liu, A; Guan, Y; Zheng, J; Shen, Z; Wan, X. (2010). Tuning the helicity of self-assembled structure of a sugar-based organogelator by the proper choice of cooling rate. *Langmuir*. 26: 3615-3622. <http://dx.doi.org/10.1021/la903064n>.
- Cui, J; Shen, Z; Wan, X. (2010). Study on the gel to crystal transition of a novel sugar-appended gelator. *Langmuir*. 26: 97-103. <http://dx.doi.org/10.1021/la9021382>.
- Cui, J; Zheng, Y; Shen, Z; Wan, X. (2010). Alkoxy tail length dependence of gelation ability and supramolecular chirality of sugar-appended organogelators. *Langmuir*. 26: 15508-15515. <http://dx.doi.org/10.1021/la101494t>.
- Cui, P; Yin, Q; Gong, J; Wang, Y; Hao, H; Xie, C; Bao, Y; Zhang, M; Hou, B; Wang, J. (2013). Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. *Fluid Phase Equilibria*. 337: 354-362. <http://dx.doi.org/10.1016/j.fluid.2012.09.027>.
- Curvelo, AAS; Degroote, R; Montanari, S. (1992). DIOXANE LIGNINS FROM PINUS-CARIBAEA VAR HONDURENSIS .1. EFFECT OF CATALYST CONCENTRATION. 74: 324-327.
- Cypher, JA; Lemke, LD. (2009). Multiple Working Transport Hypotheses in a Heterogeneous Glacial Aquifer System. *Ground Water Monitoring and Remediation*. 29: 105-119.
- da Silva Lirio, CF; Pellegrini Pessoa, FL; Cohen Uller, AM. (2013). Storage capacity of carbon dioxide hydrates in the presence of sodium dodecyl sulfate (SDS) and tetrahydrofuran (THF). *Chem Eng Sci*. 96: 118-123. <http://dx.doi.org/10.1016/j.ces.2012.10.022>.
- da Silva, TA; Mocchietti, P; Zanuttini, MA; Ramos, LP. (2007). CHEMICAL CHARACTERIZATION OF PULP COMPONENTS IN UNBLEACHED SOFTWOOD KRAFT FIBERS RECYCLED WITH THE ASSISTANCE OF A LACCASE/HBT SYSTEM. *BioResources*. 2: 616-629.
- Dabbagh, AH; Mansoori, Y. (2002). New azoic dyes containing (1H)-tetrazole and azido group. *Dyes and Pigments*. 54: 37-46.
- Dabrowski, R; Urban, S. (1998). Dielectric studies of smectogenic dioxane mixtures revealing a nematic gap. *Liquid Crystals*. 24: 583-586.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Dai, L, iyan; Shi, Q, iul; Zhang, J; Wang, XZ; Chen, Y, qi. (2013). Accelerated effect on Mitsunobu reaction via bis-N-tert-butoxycarbonylation protection of 2-amino-6-chloropurine and its application in a novel synthesis of penciclovir. *Journal of Zhejiang University- Science A*. 14: 760-766. <http://dx.doi.org/10.1631/jzus.A1300238>.
- Dai, M; Zhang, FQ; Li, HP; Zhao, JP. (1997). Excess enthalpies and excess volumes of N,N-dimethylethanolamine plus 1,4-dioxane, plus DMF, plus DMA or plus DMSO. *Fluid Phase Equilibria*. 138: 231-239.
- Dai, ZW; Zou, XH; Chen, GQ. (2009). Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) as an injectable implant system for prevention of post-surgical tissue adhesion. *Biomaterials*. 30: 3075-3083. <http://dx.doi.org/10.1016/j.biomaterials.2009.02.015>.
- Daneshfar, A, li; Baghlani, M; Sarabi, RS; Sahraei, R; Abassi, S; Kaviyan, H; Khezeli, T. (2012). Solubility of citric, rnalonic, and malic acids in different solvents from 303.2 to 333.2K. *Fluid Phase Equilibria*. 313: 11-15. <http://dx.doi.org/10.1016/j.fluid.2011.09.033>.
- Daniel, N; Srivastava, AK. (2002). Free radical copolymerization of styrene with vinyl acetate using p-acetylbenzylidene triphenylarsonium ylide as an initiator. *Advances in Polymer Technology*. 21: 108-115. <http://dx.doi.org/10.1002/adv.2000>.
- Das, K; Sarkar, N; Das, S; Bhattacharyya, K; Balasubramanian, D. (1995). FLUORESCENCE MONITORING OF THE HYDROPHOBIC SURFACE OF DEXTRIN USING P-TOLUIDINONAPHTHALENESULFONATE. *Langmuir*. 11: 2410-2413.
- Das, M; Roy, MN. (2006). Studies on thermodynamic and transport properties of binary mixtures of acetonitrile with some cyclic ethers at different temperatures by volumetric, viscometric, and interferometric techniques. *Journal of Chemical and Engineering Data*. 51: 2225-2232. <http://dx.doi.org/10.1021/je060311a>.
- Das, S; Naskar, B; Ghosh, S. (2014). Influence of temperature and organic solvents (isopropanol and 1,4-dioxane) on the micellization of cationic gemini surfactant (14-4-14). *Soft Matter*. 10: 2863-2875. <http://dx.doi.org/10.1039/c3sm52938j>.
- Dash, UN; Pattanaik, E; Sahu, R. (1991). SOLUTE SOLVENT INTERACTIONS - DISSOLUTION OF SPARINGLY SOLUBLE SILVER SALTS IN AQUEOUS ORGANIC-SOLVENT SYSTEMS. *Fluid Phase Equilibria*. 63: 101-110.
- Dassy, S; Wiame, H; Thyrion, FC. (1994). KINETICS OF THE LIQUID-PHASE SYNTHESIS AND HYDROLYSIS OF BUTYL LACTATE CATALYZED BY CATION-EXCHANGE RESIN. *J Chem Tech Biotechnol*. 59: 149-156.
- Davolio, F; Pedrosa, GC; Katz, M. (1981). VAPOR-LIQUID-EQUILIBRIUM FOR THE PARA-DIOXANE-ACETONITRILE SYSTEM AT 298.15-K. *Journal of Chemical and Engineering Data*. 26: 26-27.
- De Clercq, J; Van De Steene, E; Verbeken, K, im; Verhaege, M. (2010). Electrochemical oxidation of 1,4-dioxane at boron-doped diamond electrode. *J Chem Tech Biotechnol*. 85: 1162-1167. <http://dx.doi.org/10.1002/jctb.2415>.
- De Fina, KM; Sharp, TL; Roy, LE; Acree, WE. (1999). Solubility of 8-hydroxybenzoic acid in select organic solvents at 298.15 K. *Journal of Chemical and Engineering Data*. 44: 1262-1264.
- de Gooijer, JM; Scheltus, M; Koning, CE. (2004). End group modification of polyamide-6 in supercritical and subcritical fluids - Part 2: Amine and carboxylic acid end group modification with 1,2-epoxybutane. *Journal of Supercritical Fluids*. 29: 153-164. [http://dx.doi.org/10.1016/S0896-8446\(03\)00067-6](http://dx.doi.org/10.1016/S0896-8446(03)00067-6).
- de Gooijer, JM; Scheltus, M; Losch, HW; Staudt, R; Meuldijk, J; Koning, CE. (2004). End group modification of polyamide-6 in supercritical and subcritical fluids - Part 1: Amine end group modification with succinic anhydride. *Journal of Supercritical Fluids*. 29: 129-152. [http://dx.doi.org/10.1016/S0896-8446\(03\)00066-4](http://dx.doi.org/10.1016/S0896-8446(03)00066-4).
- Deen, GR; Lim, E, uK; Mah, CH, ao; Heng, KM. (2012). New Cationic Linear Copolymers and Hydrogels of N-Vinyl Caprolactam and N-Acryloyl-N¹-ethyl Piperazine: Synthesis, Reactivity, Influence of External Stimuli on the LCST and Swelling Properties. *Ind Eng Chem Res*. 51: 13354-13365. <http://dx.doi.org/10.1021/ie301987m>.
- Delgado, DR; Romdhani, A; Martinez, F. (2012). Solubility of sulfamethizole in some propylene glycol plus water mixtures at several temperatures. *Fluid Phase Equilibria*. 322: 113-119. <http://dx.doi.org/10.1016/j.fluid.2012.03.014>.
- Delorenzi, L; Fermeglia, M; Torriano, G. (1995). DENSITIES AND VISCOSITIES OF 1,1,1-TRICHLOROETHANE WITH 13 DIFFERENT SOLVENTS AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 1172-1177.
- Delvalle, JC; Garcia, NA; Amatguerri, F. (1993). EVIDENCE OF NONEMISSIVE PROTONATED FORMS IN METHYL-ESTERS OF ROSE-BENGAL AND EOSIN-Y IN ACIDIC MEDIUM. *Dyes and Pigments*. 22: 199-205.
- Deng, Y; Guo, Y; Qian, Y; Lou, H; Qiu, X. (2014). Effect of Temperature on a Lignin-based Polymer with Two Types of Microstructures. *BioResources*. 9: 6304-6315.
- Deng, Y; Zhang, Q, in; Zhang, H; Zhang, C; Wang, W; Gu, Y, i. (2014). Kinetics of 3,4-Dihydro-2H-3-phenyl-1,3-benzoxazine Synthesis from Mannich Base and Formaldehyde. *Ind Eng Chem Res*. 53: 1933-1939. <http://dx.doi.org/10.1021/ie402978s>.
- Denisova, GP; Ustinova, TP; Povolotskii, EG; Igonina, SV; Martynova, NY. (2002). Effect of the structure of cellulose acetate solutions on the morphological characteristics of ultrafiltration membranes. *Fibre Chemistry*. 34: 335-337.
- Derosa, CT; Wilbur, S; Holler, J; Richter, P; Stevens, YW. (1996). Health evaluation of 1,4-dioxane [Review]. *Toxicol Ind Health*. 12: 1-43. <http://dx.doi.org/10.1177/074823379601200101>.
- Destine, JN; Wang, J; Heitner, C; Manley, RSJ. (1996). The photodegradation of milled-wood lignin .1. The role of oxygen. *Journal of Pulp & Paper Science*. 22: J24-J30.
- Dettenmaier, EM; Doucette, WJ; Bugbee, B. (2009). Chemical hydrophobicity and uptake by plant roots. *Environ Sci Technol*. 43: 324-329. <http://dx.doi.org/10.1021/es801751x>.
- Devi, DA; Smitha, B; Sridhar, S; Aminabhavi, TM. (2006). Dehydration of 1,4-dioxane through blend membranes of poly(vinyl alcohol) and chitosan by pervaporation. *J Memb Sci*. 280: 138-147. <http://dx.doi.org/10.1016/j.memsci.2006.01.006>.
- Devi, KVS; Raju, BR; Rao, GN. (2010). Speciation of binary complexes of Ca(II), Mg(II) and Zn(II) with L-dopa in dioxane-water mixtures. *Chem Speciation Bioavailability*. 22: 191-199. <http://dx.doi.org/10.3184/095422910X12829312795432>.
- Devika, PD; Ramachandran, TP; Ananth, MS. (1992). ENTHALPY OF MIXING OF 5 BINARY-MIXTURES. 30: 612-614.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Dewan, R; Datta, B; Roy, MC; Roy, MN. (2013). Ionic interplay of lithium salts in binary mixtures of acetonitrile and diethyl carbonate probed by physicochemical approach. *Fluid Phase Equilibria*. 358: 233-240. <http://dx.doi.org/10.1016/j.fluid.2013.08.022>.
- Dewitte, B; Patarin, J; Guth, JL; Cholley, T. (1997). Synthesis of mazzite-type zeolites in the presence of organic solvents: study of the structure directing role of p-dioxane. 10: 247-257.
- Dhathathreyan, A; Baskar, G; Ramasami, T. (2002). Interfacial organization of fluoropolymers in Langmuir films: Role of additives. *Langmuir*. 18: 4704-4708. <http://dx.doi.org/10.1021/la0111329g>.
- Dhennezel, O; Ollis, DF. (1997). Trichloroethylene-promoted photocatalytic oxidation of air contaminants. *J Catal*. 167: 118-126.
- Diaz-Calleja, R; Riande, E. (2004). Comparative study of mechanical and dielectric relaxations in polymers. *Mater Sci Eng A*. 370: 21-33. <http://dx.doi.org/10.1016/j.msea.2003.08.069>.
- Dietz, AC; Schnoor, JL. (2001). Advances in phytoremediation. *Environ Health Perspect*. 109: 163-168.
- Ding, F; Zhang, CF; Hu, XG. (2006). Passivating lithium electrodes with 1,4-dioxane. 35: 585-588.
- Dini, JW. (2005). The carcinogenic body. *Plat Surf Finish*. 92: 34-35.
- Dodangeh, M; Gharanjig, K; Arami, M. (2014). Synthesis, Characterization, and Photo-Physical Properties of Dendrimers Modified With 1,8-Naphthalimide Derivatives as Novel Fluorescent pH Sensors. *IEEE Sens J*. 14. <http://dx.doi.org/10.1109/JSEN.2014.2319293>.
- Domanka, U; Lachwa, J. (2005). (Solid plus liquid) phase equilibria of binary mixtures containing N-methyl-2-pyrrolidinone and ethers at atmospheric pressure. *Fluid Phase Equilibria*. 227: 135-143. <http://dx.doi.org/10.1016/j.fluid.2004.11.006>.
- Domanska, U; Moollan, WC; Letcher, TM. (1996). Solubility of sulfolane in selected organic solvents. *Journal of Chemical and Engineering Data*. 41: 261-265.
- Domanska, U; Sporzynski, A; Moollan, WC; Letcher, TM. (1996). Vapor-liquid equilibria of binary mixtures containing sulfolane. *Journal of Chemical and Engineering Data*. 41: 624-628.
- Donaldson, ME; Draucker, LC; Blasucci, V; Liotta, CL; Eckerta, CA. (2009). Liquid-liquid equilibria of polyethylene glycol (PEG) 400 and CO₂ with common organic solvents. *Fluid Phase Equilibria*. 277: 81-86. <http://dx.doi.org/10.1016/j.fluid.2008.11.003>.
- Dong, WT; Zhu, CS. (2000). Optical properties of UV dye PTP-doped silica film prepared by sol-gel process. *Mater Lett*. 45: 336-339.
- Donze, C; Korovchenko, P; Gallezot, P; Besson, M. (2007). Aerobic selective oxidation of (hetero) aromatic primary alcohols to aldehydes or carboxylic acids over carbon supported platinum. *Appl Catal B-Environ*. 70: 621-629. <http://dx.doi.org/10.1016/j.apcatb.2006.01.029>.
- Dražević, E; Kosutić, K; Dananić, V; Pavlović, DM. (2013). Coating layer effect on performance of thin film nanofiltration membrane in removal of organic solutes. *Separation and Purification Technology*. 118: 530-539. <http://dx.doi.org/10.1016/j.seppur.2013.07.031>.
- Du, Y; Chen, X; Koh, YH, ag; Lei, B, o. (2014). Facilely fabricating PCL nanofibrous scaffolds with hierarchical pore structure for tissue engineering. *Mater Lett*. 122: 62-65. <http://dx.doi.org/10.1016/j.matlet.2014.02.031>.
- Duan, T; Fan, K, e; Fu, Y; Zhong, C; Chen, X; Peng, T; Qin, J. (2012). Triphenylamine-based organic dyes containing a 1,2,3-triazole bridge for dye-sensitized solar cells via a 'Click' reaction. *Dyes and Pigments*. 94: 28-33. <http://dx.doi.org/10.1016/j.dyepig.2011.11.008>.
- Duflos, G; Leduc, F; N'Guessan, A; Krzewinski, F; Kol, O; Malle, P. (2010). Freshness characterisation of whiting (*Merlangius merlangus*) using an SPME/GC/MS method and a statistical multivariate approach. *J Sci Food Agric*. 90: 2568-2575. <http://dx.doi.org/10.1002/jsfa.4122>.
- Dumitriu, E; Hulea, V; Fechetu, I; Catrinescu, C; Auroux, A; Lacaze, JF; Guimon, C. (1999). Prins condensation of isobutylene and formaldehyde over Fe-silicates of MFI structure. *Appl Catal A-Gen*. 181: 15-28.
- Dworczak, R; Fabian, WMF. (2002). Electric field induced second harmonic generation (EFISH) measurements on absorbing compounds: push-pull substituted anilines. *Dyes and Pigments*. 53: 119-128.
- Dzhabiyeva, ZM; Belov, GP. (1992). SELECTIVE DIMERIZATION OF ETHYLENE TO BUT-1-ENE IN THE PRESENCE OF ETHER ADDITIVES. *Petroleum Chemistry*. 32: 170-176.
- Dziadek, M; Zagrajczuk, B; Ziabka, M; Dziadek, K; Cholewa-Kowalska, K. (2016). The role of solvent type, size and chemical composition of bioactive glass particles in modulating material properties of poly(epsilon-caprolactone) based composites. *Composites Part A: Applied Science and Manufacturing*. 90: 90-99. <http://dx.doi.org/10.1016/j.compositesa.2016.07.001>.
- Eberle, D; Ball, R; Boving, TB. (2016). Peroxone activated persulfate treatment of 1,4-dioxane in the presence of chlorinated solvent co-contaminants. *Chemosphere*. 144: 728-735. <http://dx.doi.org/10.1016/j.chemosphere.2015.08.063>.
- Ebralidze, II; Hanif, M; Arjumand, R; Azmi, AA; Dixon, D; Cann, NM; Crudden, CM; Horton, JH. (2012). Solvent Induced Adhesion Interactions between Dichlorotriazine Films. *J Phys Chem C*. 116: 4217-4223. <http://dx.doi.org/10.1021/jp211503x>.
- Echigo, S; Nakatsuji, M; Takabe, Y; Itoh, S. (2015). Effect of preozonation on wastewater reclamation by the combination of ozonation and soil aquifer treatment. *Water Science and Technology: Water Supply*. 15: 101-106. <http://dx.doi.org/10.2166/ws.2014.089>.
- Edmiston, PL; Underwood, LA. (2009). Absorption of dissolved organic species from water using organically modified silica that swells. *Separation and Purification Technology*. 66: 532-540. <http://dx.doi.org/10.1016/j.seppur.2009.02.001>.
- Edwards, MR; Hetu, MF; Columbus, M; Silva, A; Lefebvre, DD. (2011). The effect of ethylene glycol on the phytovolatilization of 1,4-dioxane. *Int J Phytoremediation*. 13: 702-716. <http://dx.doi.org/10.1080/15226514.2010.525553>.
- Elewa, MM; El-Shafei, AA; Moneer, AA; Naim, MM. (2016). Effect of cell hydrodynamics in desalination of saline water by sweeping air pervaporation technique using innovated membrane. *Desalination and Water Treatment*. 57: 23293-23307. <http://dx.doi.org/10.1080/19443994.2016.1173381>.
- Elgemeie, GH; Ahmed, KA; Ahmed, EA; Helal, MH; Masoud, DM. (2015). Microwave synthesis, photophysical properties of novel fluorescent iminocoumarins and their application in textile printing. *Pigment & Resin Technology*. 44: 87-93. <http://dx.doi.org/10.1108/PRT-04-2014-0029>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Elgemeie, GH; Ahmed, KA; Ahmed, EA; Helal, MH; Masoud, DM. (2016). A simple approach for the synthesis of coumarin fluorescent dyes under microwave irradiation and their application in textile printing. *Pigment & Resin Technology*. 45: 217-224. <http://dx.doi.org/10.1108/PRT-02-2015-0019>.
- El-Ghany, A; A., N. (2012). ORGANOSOLV PULPING OF COTTON LINTER. II. EFFECT OF DIOXANE AND ANTHRAQUINONE ON COTTON LINTER PROPERTIES. *Cellulose Chemistry and Technology*. 46: 137-145.
- Elhami-Kalvanagh, R; Shekaari, H; Kazempour, A. (2013). Effect of solvent on the volumetric behavior of N,N'-salicylidenephenyl diamine (Salophen) Schiff base at different temperatures (288.15-318.15) K. *Fluid Phase Equilibria*. 352: 22-27. <http://dx.doi.org/10.1016/j.fluid.2013.05.001>.
- Ellegaard, MD; Abildskov, J; O'Connell, JP. (2010). Molecular Thermodynamic Modeling of Mixed Solvent Solubility. *Ind Eng Chem Res*. 49: 11620-11632. <http://dx.doi.org/10.1021/ie101059y>.
- Elroudi, OM. (1995). Effect of the medium on the ionisation process of Tricine. *Ann Chim*. 85: 567-575.
- El-Roudi, OM; Abdel-Latif, SA. (2004). Effect of ionic strength, aquo-organic solvents, and temperature on the stabilities of N-[Tris(hydroxymethyl)methyl]glycine plus metal complexes. *Journal of Chemical and Engineering Data*. 49: 1193-1196. <http://dx.doi.org/10.1021/ie030228c>.
- Elroudi, OM; Alla, EMA; Ibrahim, SA. (1997). Potentiometric studies on the binary complexes of N-[tris(hydroxymethyl)methyl]glycine with Th⁴⁺, Ce³⁺, La³⁺ and UO₂²⁺ and medium effects on a Th-tricine binary complex. *Journal of Chemical and Engineering Data*. 42: 609-613.
- Elsabee, MZ; Ali, EA; Mokhtar, SM; Eweis, M. (2011). Synthesis, characterization polymerization and antibacterial properties of novel thiophene substituted acrylamide. *React Funct Polym*. 71: 1187-1194. <http://dx.doi.org/10.1016/j.reactfunctpolym.2011.08.006>.
- El-Sayed, SM; Arnaouty, MB; Fayek, SA. (2003). Effect of grafting, gamma irradiation and light exposure on optical and morphological properties of grafted low-density polyethylene films. *Polym Test*. 22: 17-23.
- El-Sedik, M; Almonasy, N; Nepras, M; Bures, F; Dvorak, M; Michl, M; Cermak, J; Hrdina, R. (2012). Synthesis, absorption and fluorescence properties of N-triazinyl derivatives of 2-aminoanthracene. *Dyes and Pigments*. 92: 1126-1131. <http://dx.doi.org/10.1016/j.dyepig.2011.08.018>.
- Elvassore, N; Bertuccio, A; Di Noto, V. (2002). On-line monitoring of volume expansion in gas-antisolvent processes by UV-vis spectroscopy. *Journal of Chemical and Engineering Data*. 47: 223-227. <http://dx.doi.org/10.1021/je010189+>.
- Engle, JM; Lakshminarayanan, PS; Carroll, CN; Zakharov, LN; Haley, MM; Johnson, DW. (2011). Molecular Self Assembly: Solvent Guests Tune the Conformation of a Series of 2,6-Bis(2-anilinoethynyl)pyridine-Based Ureas. *Cryst Growth Des*. 11: 5144-5152. <http://dx.doi.org/10.1021/cg201074v>.
- Enriquez, EP; Gray, KH; Guarisco, VF; Linton, RW; Mar, KD; Samulski, ET. (1992). BEHAVIOR OF RIGID MACROMOLECULES IN SELF-ASSEMBLY AT AN INTERFACE. *Journal of Vacuum Science and Technology A*. 10: 2775-2782.
- Enzmann, H; Kühlem, C; Löser, E; Bannasch, P. (1995). Dose dependence of diethylnitrosamine-induced nuclear enlargement in embryonal turkey liver. *Carcinogenesis*. 16: 1351-1355. <http://dx.doi.org/10.1093/carcin/16.6.1351>.
- Ernst, S; Glinski, J. (1977). COMPRESSIBILITY IN WATER-DIOXANE MIXTURES AS DEPENDENT ON CONCENTRATION AND TEMPERATURE. *Chem Tech (Leipzig)*. 29: 51-54.
- Erol, I; Arslan, O. (2013). Copolymers of novel methacrylic and styrenic monomer based on the thiophene: synthesis, characterization, monomer reactivity ratios, thermal properties, and biological activity. *J Biomater Sci Polym Ed*. 24: 1198-1218. <http://dx.doi.org/10.1080/09205063.2012.745715>.
- Erol, I; Sahin, Z; Ozcan, L. (2013). Synthesis, Characterization, Biological Activity, and Thermal Stability of New Styrenic Polymer Having Pendant Ketone and Its Some Derivatives. *Polymer Engineering and Science*. 53: 1383-1393. <http://dx.doi.org/10.1002/pen.23402>.
- Erol, I; Soykan, C. (2003). Synthesis and characterization of new aryl-oxycarbonyl methyl methacrylate monomers and their polymers. *React Funct Polym*. 56: 147-157. [http://dx.doi.org/10.1016/S1381-5148\(03\)00052-X](http://dx.doi.org/10.1016/S1381-5148(03)00052-X).
- Erten, H; Soykan, C. (2014). Synthesis and characterization of novel poly (p-methyl styrene) containing azetidine moieties and their optical and semiconducting properties. *Materials Science in Semiconductor Processing*. 24: 83-89. <http://dx.doi.org/10.1016/j.mssp.2014.03.012>.
- Eshkiki, RB; Mortha, G; Lachenal, D. (2007). A new method for the titration of free phenolic groups in pulps. *Holzforschung*. 61: 242-246. <http://dx.doi.org/10.1515/HF.2007.039>.
- Eslamimanesh, A, li; Gharagheizi, F; Illbeigi, M; Mohammadi, AH; Fazlali, A; Richon, D. (2012). Phase equilibrium modeling of clathrate hydrates of methane, carbon dioxide, nitrogen, and hydrogen plus water soluble organic promoters using Support Vector Machine algorithm. *Fluid Phase Equilibria*. 316: 34-45. <http://dx.doi.org/10.1016/j.fluid.2011.11.029>.
- Esteves Costa, CA; Coleman, W; Dube, M; Rodrigues, AE; Rodrigues Pinto, PC. (2016). Assessment of key features of lignin from lignocellulosic crops: Stalks and roots of corn, cotton, sugarcane, and tobacco. *Ind Crop Prod*. 92: 136-148. <http://dx.doi.org/10.1016/j.indcrop.2016.07.032>.
- Esteves Costa, CA; Rodrigues Pinto, PC; Rodrigues, AE. (2015). Radar Tool for Lignin Classification on the Perspective of Its Valorization. *Ind Eng Chem Res*. 54: 7580-7590. <http://dx.doi.org/10.1021/acs.iecr.5b01859>.
- Eum, K, iWon; Gu, H; Lee, T, aeGyu; Choe, J; Lee, K; Song, KH, o. (2013). Liquid-Liquid Equilibria for the Ternary Systems of Perfluorohexane plus Methyl Nonafluorobutyl Ether plus Toluene,+1,4-Dioxane, or plus Dimethylformamide at 298.15 K. *Journal of Chemical and Engineering Data*. 58: 915-919. <http://dx.doi.org/10.1021/je301149f>.
- Eusterbrock, L; Lehmann, J; Ziegler, G. (2003). Analysis of pyrolysis products during thermal decomposition of organic components in ceramic green bodies. 80: E33-E39.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Even-Ezra, I; Mizrahi, A; Gerrity, D; Snyder, S; Salveson, A; Lahav, O, ri. (2009). Application of a novel plasma-based advanced oxidation process for efficient and cost-effective destruction of refractory organics in tertiary effluents and contaminated groundwater. *Desalination and Water Treatment*. 11: 236-244. <http://dx.doi.org/10.5004/dwt.2009.807>.
- Evtuguin, DV; Amado, FML. (2003). Application of Electrospray ionization mass spectrometry to the elucidation of the primary structure of lignin. *Macromol Biosci*. 3: 339-343. <http://dx.doi.org/10.1002/mabi.200350006>.
- Evtuguin, DV; Neto, CP; Silva, AMS; Domingues, PM; Amado, FML; Robert, D; Faix, O. (2001). Comprehensive study on the chemical structure of dioxane lignin from plantation *Eucalyptus globulus* wood. *J Agric Food Chem*. 49: 4252-4261. <http://dx.doi.org/10.1021/jf010315d>.
- EWG. (2012). EWG research shows 22 percent of all cosmetics may be contaminated with cancer-causing impurity [Website]. Retrieved from <http://www.ewg.org/news/news-releases/2007/02/08/ewg-research-shows-22-percent-all-cosmetics-may-be-contaminated-cancer>
- Fabbri, P; Cannillo, V; Sola, A; Dorigato, A; Chiellini, F. (2010). Highly porous polycaprolactone-45S5 Bioglass (R) scaffolds for bone tissue engineering. *Compos Sci Tech*. 70: 1869-1878. <http://dx.doi.org/10.1016/j.compscitech.2010.05.029>.
- Fabos, V; Lui, MY; Mui, Y, iuF; Wong, YY, an; Mika, LT; Qi, L; Csefalvay, E; Kovacs, V; Szucs, T; Horvath, IT. (2015). Use of Gamma-Valerolactone as an Illuminating Liquid and Lighter Fluid. 3: 1899-1904. <http://dx.doi.org/10.1021/acssuschemeng.5b00465>.
- Fachaux, JM; Guyothermann, AM; Guyot, JC; Conflant, P; Drache, M; Veessler, S; Boistelle, R. (1995). PURE PARACETAMOL FOR DIRECT COMPRESSION .1. DEVELOPMENT OF SINTERED-LIKE CRYSTALS OF PARACETAMOL. *Powder Technology*. 82: 123-128.
- Faix, O; Stevanovicjanezic, T; Lundquist, K. (1994). THE LIGNIN OF THE DIFFUSE POROUS ANGIOSPERM TREE TRIPLOCHYTON-SCLEROXYLON SCHUM,K. WITH LOW SYRINGYL CONTENT. *Journal of Wood Chemistry and Technology*. 14: 263-278.
- Falciola, L; Greggio, P; Mussini, PR; Mussini, T. (2004). The cosolvent effect on the transport parameters of HCl in aqueous plus organic solvent mixtures. *Journal of Chemical and Engineering Data*. 49: 1565-1573. <http://dx.doi.org/10.1021/je034244l>.
- Falco, EE; Coates, EE; Li, E; Roth, JS; Fisher, JP. (2011). Fabrication and characterization of porous EH scaffolds and EH-PEG bilayers. *J Biomed Mater Res A*. 97: 264-271. <http://dx.doi.org/10.1002/jbm.a.33052>.
- Fan, Y; Gao, J; Chen, Y, ao. (2010). Colour responses of black locust (*Robinia pseudoacacia* L.) to solvent extraction and heat treatment. *Wood Science and Technology*. 44: 667-678. <http://dx.doi.org/10.1007/s00226-009-0289-7>.
- Fang, D; Jiao, C, mei; Zhang, H, uabin; Ji, B, aohua. (2010). Synthesis of dioxanes via Prins reaction catalyzed by acyclic acidic ionic liquids. *J Ind Eng Chem*. 16: 233-237. <http://dx.doi.org/10.1016/j.jiec.2010.01.057>.
- Fang, JH; Yang, KF; Hu, FT. (2005). Copolymerization of maleic anhydride and norbornene catalyzed by Fe(acac)(3)-Al(i-Bu)(3)-CCl4. *Chinese journal of catalysis*. 26: 1113-1116.
- Fang, YJ; Zhou, P. (2006). Study on reactive extraction kinetics of 1,3-propanediol in dilute aqueous solutions. *Separation Science and Technology*. 41: 329-340. <http://dx.doi.org/10.1080/01496390500460666>.
- Farghaly, TA, bdElR; Abdallah, MA; Mahmoud, HK. (2015). Synthesis of novel 1,2,4-triazoles and triazolo-thiadiazines as anticancer agents. *Turkish Journal of Chemistry*. 39: 955-969. <http://dx.doi.org/10.3906/kim-1504-13>.
- Fasching, M; Schroeder, P; Wollboldt, RP; Weber, HK; Sixta, H. (2008). A new and facile method for isolation of lignin from wood based on complete wood dissolution. *Holzforschung*. 62: 15-23. <http://dx.doi.org/10.1515/HF.2008.003>.
- Fasi, A; Gomory, A; Palinko, I; Kiricsi, I. (2001). Isomerization and dimerization reactions of methyloxirane over various types of zeolite and zeotype. *J Catal*. 200: 340-344. <http://dx.doi.org/10.1006/jcat.2001.3186>.
- Fasi, A; Palinko, I; Kiricsi, I. (1999). Ring-opening and dimerization reactions of methyl- and dimethyloxiranes on HZSM-5 and CuZSM-5 zeolites. *J Catal*. 188: 385-392.
- Fasi, A; Palinko, I; Kiricsi, I. (1999). Ring-opening and dimerization reactions of methyl-substituted oxiranes on HZSM-5 zeolite. *Stud Surf Sci Catal*. 125: 391-398.
- Fayek, SA; El Sayed, SM; El-Arnaouty, MB. (2000). Study the effect of gamma irradiation on optical and morphological properties of grafted low density polyethylene. *Polym Test*. 19: 435-443.
- Fazary, AE. (2005). Thermodynamic studies on the protonation equilibria of some hydroxamic acids in NaNO3 solutions in water and in mixtures of water and dioxane. *Journal of Chemical and Engineering Data*. 50: 888-895. <http://dx.doi.org/10.1021/je0496185>.
- Fazary, AE. (2013). Ionic Strength Dependence of Four Stepwise Protonation Constants for Folic Acid in Different Aqueous Solutions of Dioxane. *Journal of Chemical and Engineering Data*. 58: 2219-2223. <http://dx.doi.org/10.1021/je4002569>.
- Fazary, AE; Ibrahim, SE; Ju, YH. (2009). Medium Effects on the Protonation Equilibria of L-Norvaline. *Journal of Chemical and Engineering Data*. 54: 2532-2537. <http://dx.doi.org/10.1021/je9001015>.
- FDA. (2006). Food additives permitted for direct addition to food for human consumption; glycerides and polyglycerides (pp. 75-76). (21 CFR 172.736). Food and Drug Administration. http://edocket.access.gpo.gov/cfr_2006/apr/qtr/pdf/21cfr172.736.pdf.
- Fei, D; Xingtio, H; Yuwen, L. (2007). Improvement of lithium interface stability with 1,4-dioxane pretreatment. *Journal of Wuhan University of Technology--Materials Science Edition*. 22: 494-498. <http://dx.doi.org/10.1007/s11595-006-3494-3>.
- Fernandez, F; Quigley, RM. (1991). CONTROLLING THE DESTRUCTIVE EFFECTS OF CLAY ORGANIC LIQUID INTERACTIONS BY APPLICATION OF EFFECTIVE STRESSES. *Canadian Geotechnical Journal*. 28: 388-398.
- Ferro, AM; Kennedy, J; Larue, JC. (2013). Phytoremediation of 1,4-dioxane-containing recovered groundwater. *Int J Phytoremediation*. 15: 911-923. <http://dx.doi.org/10.1080/15226514.2012.687018>.
- Ferro, AM; Tammi, CE. (2009). Field note: irrigation of tree stands with groundwater containing 1,4-dioxane. *Int J Phytoremediation*. 11: 425-440. <http://dx.doi.org/10.1080/15226510802655914>.
- Fettouhi, A; Thomsen, K, aj. (2010). Solid-liquid equilibria for binary and ternary systems with the Cubic-Plus-Association (CPA) equation of state. *Fluid Phase Equilibria*. 293: 121-129. <http://dx.doi.org/10.1016/j.fluid.2010.02.017>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Fezei, R; Hammi, H; M'nif, A. (2011). Magnesium chloride precipitation from mixed salt solution using 1,4-dioxan. *Chem Eng Res Des.* 89: 367-372. <http://dx.doi.org/10.1016/j.cherd.2010.06.007>.
- Fezei, R; Hammi, H; M'nif, A. (2015). Magnesium chloride precipitation from mixed salt solution using 1,4-dioxan: Optimizing the recovery and purity. *Int J Miner Process.* 144: 16-20. <http://dx.doi.org/10.1016/j.minpro.2015.09.003>.
- Flores, P; Rezende, MC; Jara, F. (2004). A solvatochromic derivative of Meldrum's. *Dyes and Pigments.* 62: 277-281. [http://dx.doi.org/10.1016/S0143-7208\(03\)00238-9](http://dx.doi.org/10.1016/S0143-7208(03)00238-9).
- Foks, J; Luszczek, M. (1993). EFFECT OF TEMPERATURE AND SUPERSATURATION ON THE CRYSTALLIZATION OF POLYETHYLENE ADIPATE FROM DIOXANE SOLUTIONS. *J Cryst Growth.* 134: 347-352.
- Fonseca, JMS; Dohrn, R; Wolf, A; Bachmann, R. (2012). The solubility of carbon dioxide and propylene oxide in polymers derived from carbon dioxide. *Fluid Phase Equilibria.* 318: 83-88. <http://dx.doi.org/10.1016/j.fluid.2012.01.021>.
- Fontalvo, J; Vorstman, MAG; Wijers, JG; Keurentjes, JTF. (2006). Heat supply and reduction of polarization effects in pervaporation by two-phase feed. *J Memb Sci.* 279: 156-164. <http://dx.doi.org/10.1016/j.memsci.2005.11.047>.
- Forti, FL; Bet, MR; Goissis, G; Plepis, AM. (2011). 1,4-Dioxane enhances properties and biocompatibility of polyanionic collagen for tissue engineering applications. *J Mater Sci Mater Med.* 22: 1901-1912. <http://dx.doi.org/10.1007/s10856-011-4358-8>.
- Forti, FL; Goissis, G; Plepis, AM. (2006). Modifications on collagen structures promoted by 1,4-dioxane improve thermal and biological properties of bovine pericardium as a biomaterial. *J Biomater Appl.* 20: 267-285. <http://dx.doi.org/10.1177/0885328206054048>.
- Fowle, SE; Constantine, CE; Fone, D; McCloskey, B. (1996). An epidemiological study after a water contamination incident near Worcester, England in April 1994. *J Epidemiol Community Health.* 50: 18-23.
- Frahm, D; Hoffmann, F; Froeba, M. (2014). Two Metal-Organic Frameworks with a Tetratopic Linker: Solvent-Dependent Polymorphism and Postsynthetic Bromination. *Cryst Growth Des.* 14: 1719-1725. <http://dx.doi.org/10.1021/cg4018536>.
- Francesconi, R; Castellari, C; Comelli, F. (2001). Excess molar enthalpies and excess molar volumes of binary mixtures containing 1,3-dioxolane or 1,4-dioxane plus pine resins at (298.15 and 313.15) K and at atmospheric pressure. *Journal of Chemical and Engineering Data.* 46: 577-581. <http://dx.doi.org/10.1021/je000337g>.
- Francesconi, R; Comelli, F. (1992). EXCESS-ENTHALPIES AND EXCESS VOLUMES OF BINARY-MIXTURES CONTAINING TOLUENE + CYCLIC ETHERS AT 298.15 K. *Journal of Chemical and Engineering Data.* 37: 230-232.
- Francesconi, R; Comelli, F. (1993). DENSITIES AND EXCESS MOLAR VOLUMES OF 2,2,4-TRIMETHYLPENTANE PLUS LINEAR AND CYCLIC ETHERS AT 298.15-K. *Journal of Chemical and Engineering Data.* 38: 571-573.
- Francesconi, R; Comelli, F. (1995). EXCESS MOLAR ENTHALPIES AND EXCESS MOLAR VOLUMES OF PROPYLENE CARBONATE PLUS CYCLIC ETHERS. *Journal of Chemical and Engineering Data.* 40: 31-33.
- Francesconi, R; Comelli, F. (1995). EXCESS MOLAR VOLUMES OF BINARY-MIXTURES CONTAINING DIETHYL CARBONATE PLUS LINEAR AND CYCLIC ETHERS AT 298.15 K. *Journal of Chemical and Engineering Data.* 40: 512-514.
- Francesconi, R; Comelli, F. (1991). EXCESS ENTHALPY OF BINARY-SYSTEMS OF HALOTHANE + CYCLIC ETHERS. *Journal of Chemical and Engineering Data.* 36: 288-289.
- Franke, C; Studinger, G; Berger, G; Böhring, S; Bruckmann, U; Cohors-Fresenborg, D; Jöhncke, U. (1994). The assessment of bioaccumulation. *Chemosphere.* 29: 1501-1514. [http://dx.doi.org/10.1016/0045-6535\(94\)90281-X](http://dx.doi.org/10.1016/0045-6535(94)90281-X).
- Frassoldati, A; Pinel, C; Besson, M. (2011). Promoting effect of water for aliphatic primary and secondary alcohol oxidation over platinum catalysts in dioxane/aqueous solution media. *Catalysis Today.* 173: 81-88. <http://dx.doi.org/10.1016/j.cattod.2011.02.058>.
- Frassoldati, A; Pinel, C; Besson, M. (2013). Aerobic oxidation of secondary pyridine-derivative alcohols in the presence of carbon-supported noble metal catalysts. *Catalysis Today.* 203: 133-138. <http://dx.doi.org/10.1016/j.cattod.2012.01.012>.
- Frey, JG; Grose, RI; Hendra, PJ; Jawhari, T; Maddams, WF; Cudby, MEA. (1991). A FURTHER STRUCTURAL EXAMINATION OF PVC GELS. *Mater Lett.* 11: 105-108.
- Frydrych, M; Román, S; Macneil, S; Chen, B. (2015). Biomimetic poly(glycerol sebacate)/poly(L-lactic acid) blend scaffolds for adipose tissue engineering. *Acta Biomater.* 18: 40-49. <http://dx.doi.org/10.1016/j.actbio.2015.03.004>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. *J Biomed Mater Res B Appl Biomater.* 86: 125-135. <http://dx.doi.org/10.1002/jbm.b.30997>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. *J Biomed Mater Res B Appl Biomater.* 86: 514-522. <http://dx.doi.org/10.1002/jbm.b.31051>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze-cast hydroxyapatite scaffolds for bone tissue engineering applications. 3: 025005. <http://dx.doi.org/10.1088/1748-6041/3/2/025005>.
- Fujii, T; Shimizu, K; Sudo, K; Katsube, K; Kategaru, Y. (1992). CHARACTERIZATION OF AUTOHYDROLYZED WOODS OF 5 CULTIVATED LEGUMES. 38: 786-795.
- Fujisawa, S; Okita, Y; Saito, T; Togawa, E; Isogai, A. (2011). Formation of N-acylureas on the surface of TEMPO-oxidized cellulose nanofibril with carbodiimide in DMF. *Cellulose.* 18: 1191-1199. <http://dx.doi.org/10.1007/s10570-011-9578-z>.
- Fukushima, RS; Hatfield, RD. (2001). Extraction and isolation of lignin for utilization as a standard to determine lignin concentration using the acetyl bromide spectrophotometric method. *J Agric Food Chem.* 49: 3133-3139. <http://dx.doi.org/10.1021/jf010449r>.
- Fukushima, RS; Hatfield, RD. (2003). Nuclear magnetic resonance spectra of two types of lignin. *Pesqui Agropecu Bras.* 38: 505-511.
- Fukushima, RS; Hatfield, RD. (2003). Phenolic composition of dioxane lignins as determined by nitrobenzene oxidative reaction. *Pesqui Agropecu Bras.* 38: 373-378.
- Fukushima, RS; Hatfield, RD. (2004). Comparison of the acetyl bromide spectrophotometric method with other analytical lignin methods for determining lignin concentration in forage samples. *J Agric Food Chem.* 52: 3713-3720. <http://dx.doi.org/10.1021/jf035497l>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Fukushima, RS; Kerley, MS. (2011). Use of lignin extracted from different plant sources as standards in the spectrophotometric acetyl bromide lignin method. *J Agric Food Chem*. 59: 3505-3509. <http://dx.doi.org/10.1021/jf104826n>.
- Gadzinowski, M; Slomkowski, S; Elaissari, A; Pichot, C. (2000). Phase transfer and characterization of poly(epsilon-caprolactone) and poly(L-lactide) microspheres. *J Biomater Sci Polym Ed*. 11: 459-480.
- Gaikwad, A. (2011). Transport of Indium, Gallium and Thallium Metal Ions Through Chromatographic Fiber Supported Solid Membrane in Acetylacetone Containing Mixed Solvents. *Chinese Journal of Chemical Engineering*. 19: 955-963.
- Gaikwad, AG. (2011). Transport of Metal Ions through Cellulose Fiber Supported Solid Membrane into Tributyl Phosphate Containing Mixed Solvents. *Chemical and Biochemical Engineering Quarterly*. 25: 425-431.
- Galkin, S; Ammalahti, E; Kilpelainen, I; Brunow, G; Hatakka, A. (1997). Characterisation of milled wood lignin from reed canary grass (*Phalaris arundinacea*). *Holzforschung*. 51: 130-134.
- Galletti, GC; Piccaglia, R. (1991). EVALUATION OF LIGNIN PREPARATIONS FROM LIGNOCELLULOSICS BY HPLC/ELECTROCHEMICAL DETECTION OF PHENOLICS. *J Agric Food Chem*. 39: 490-493.
- Gamys, C, eG; Beyou, E; Bourgeat-Lami, E; David, L; Oberdisse, J. (2012). SAXS and SANS characterization of gelable polystyrene-b-poly(acryloxy propyl triethoxysilane) (PS-b-PAPTES) diblock copolymer micelles before and after hydrolysis-condensation. *Soft Matter*. 8: 6564-6572. <http://dx.doi.org/10.1039/c2sm25412c>.
- Gan, X; Wang, Y; Ge, X; Li, W, ei; Zhang, X; Zhu, W; Zhou, H; Wu, J; Tian, Y. (2015). Triphenylamine isophorone derivatives with two photon absorption: Photo-physical property, DFT study and bio-imaging. *Dyes and Pigments*. 120: 65-73. <http://dx.doi.org/10.1016/j.dyepig.2015.04.007>.
- Gander, B; Wehrli, E; Alder, R; Merkle, HP. (1995). Quality improvement of spray-dried, protein-loaded D,L-PLA microspheres by appropriate polymer solvent selection. *J Microencapsul*. 12: 83-97. <http://dx.doi.org/10.3109/02652049509051129>.
- Gao, P; Zhang, C; Wen, G. (2015). Equivalent circuit model analysis on electrochemical impedance spectroscopy of lithium metal batteries. *J Power Sources*. 294: 67-74. <http://dx.doi.org/10.1016/j.jpowsour.2015.06.032>.
- Garcia, R; Triboulot, MC; Merlin, A; Deglise, X. (2000). Variation of the viscoelastic properties of wood as a surface finishes substrate. *Wood Science and Technology*. 34: 99-107.
- Gaskell, BA. (1990). Nonneoplastic changes in the olfactory epithelium-- experimental studies [Review]. *Environ Health Perspect*. 85: 275-289.
- Gaspar, A; Evtuguin, DV; Neto, CP. (2004). Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. *Holzforschung*. 58: 640-649. <http://dx.doi.org/10.1515/HF.2004.118>.
- Gawronska, E; Dordain, L; Coxam, JY; Quint, J. R.; Grolier, JPE. (1995). EXCESS VOLUMES OF BINARY-MIXTURES OF 1,4-DIOXANE WITH HEPTANE, TETRADECANE, AND CYCLOHEXANE AT 323, 350, AND 364 K AND AT PRESSURES AROUND 7, 17, AND 22 MPA. *Journal of Chemical and Engineering Data*. 40: 1257-1261.
- Ge, ML, an; Wang, L, iS. (2008). Activity coefficients at infinite dilution of polar solutes in 1-butyl-3-methylimidazolium trifluoromethanesulfonate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 846-849. <http://dx.doi.org/10.1021/je700560s>.
- Ge, ML, an; Wang, L, iS; Wu, J, unS; Zhou, Q. (2008). Activity coefficients at infinite dilution of organic solutes in 1-ethyl-3-methylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 1970-1974. <http://dx.doi.org/10.1021/je800218g>.
- Ge, ML, an; Wu, J, unS; Wang, MH, ui; Wang, L, iS. (2008). Activity coefficients at infinite dilution of polar solutes in 1-propyl-2,3-dimethylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 871-873. <http://dx.doi.org/10.1021/je700640r>.
- Gehring, P; Matschiner, H. (1998). Radiation induced pollutant decomposition in water. *Water Sci Technol*. 37: 195-201.
- Geiss, KT; Frazier, JM. (2001). In vitro toxicities of experimental jet fuel system ice-inhibiting agents. *Sci Total Environ*. 274: 209-218.
- Geng, ZC; Xu, F; Sun, J, inXia; Liu, CF, u; Ren, J, uiLi; Sun, R, unC; Lin, L, u; He, B, eiKai; Lu, Q, i. (2006). Quantitative determination of phenolic acids in the cell walls of shrubs and poplar wood. *Cellulose Chemistry and Technology*. 40: 173-180.
- Gerrity, D; Gamage, S; Jones, D; Korshin, GV; Lee, Y; Pisarenko, A; Trenholm, RA; von Gunten, U; Wert, EC; Snyder, SA. (2012). Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. *Water Res*. 46: 6257-6272. <http://dx.doi.org/10.1016/j.watres.2012.08.037>.
- Ghafoori, S; Mehrvar, M; Chan, P. (2014). OPTIMISATION OF PHOTO-FENTON-LIKE DEGRADATION OF AQUEOUS POLYACRYLIC ACID USING BOX-BEHNKEN EXPERIMENTAL DESIGN. *Can J Chem Eng*. 92: 97-108. <http://dx.doi.org/10.1002/cjce.21849>.
- Gharib, F; Mollaie, M. (1999). Complexation of leucine by dioxovanadium(V) in mixed solvent systems. *Journal of Chemical and Engineering Data*. 44: 77-82.
- Ghosh, P; Samanta, AN; Ray, S. (2010). Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by H₂O₂/Fe(II) system. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 45: 395-399. <http://dx.doi.org/10.1080/10934520903538954>.
- Gidwani, MS; Menon, SK; Agrawal, YK. (2003). Fluorescence and lasing characteristics of fluorescein calix[4]aryl hydroxamic acid. *Indian J Chem Tech*. 10: 519-524.
- Gilardi, G; Cass, AEG. (1993). ASSOCIATIVE AND COLLOIDAL BEHAVIOR OF LIGNIN AND IMPLICATIONS FOR ITS BIODEGRADATION IN-VITRO. *Langmuir*. 9: 1721-1726.
- Giner, B; Martin, S; Haro, M; Artigas, H; Lafuente, C. (2005). Experimental and predicted vapor-liquid equilibrium for cyclic ethers with 1-chloropentane. *Ind Eng Chem Res*. 44: 6981-6988. <http://dx.doi.org/10.1021/ie0503388>.
- Giner, B; Villares, A, na; Martin, S; Lafuente, C; Royo, FM. (2007). Isothermal vapour-liquid equilibrium for cyclic ethers with 1-chloropentane. *Fluid Phase Equilibria*. 251: 8-16. <http://dx.doi.org/10.1016/j.fluid.2006.10.024>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Giner, I; Montano, D; Haro, M; Artigas, H; Lafuente, C. (2009). Study of isobaric vapour-liquid equilibrium of some cyclic ethers with 1-chloropropane: Experimental results and SAFT-VR modelling. *Fluid Phase Equilibria*. 278: 62-67. <http://dx.doi.org/10.1016/j.fluid.2009.01.010>.
- Girotti, S; Maiolini, E; Bolelli, L; Ferri, E; Piccolo, M; Camanzi, L; Pompei, A. (2011). Bioremediation of hydrocarbons contaminated waters and soils: monitoring by luminescent bacteria test. *Int J Environ Anal Chem*. 91: 900-909. <http://dx.doi.org/10.1080/03067310903411004>.
- Glavchev, I; Nikolov, RN; Valchev, P. (2003). Determination of evaporation rates of mixed solvents with the formation of thin films for membranes. *Polym Test*. 22: 529-532. [http://dx.doi.org/10.1016/S0142-9418\(02\)00147-2](http://dx.doi.org/10.1016/S0142-9418(02)00147-2).
- Glazko, IL; Gur'yanova, OP; Levanova, SV; Sokolov, AB. (2010). Kinetic characteristics of the manufacture of esters from isoprene production waste. *Petroleum Chemistry*. 50: 395-401. <http://dx.doi.org/10.1134/S0965544110050130>.
- Gluchowski, S. (1984). ON THE USE OF DIOXANE-WATER MIXTURE IN THE STUDIES ON WATER TREEING. 19: 362-363.
- Glushchenko, VN. (1994). IMPACTS OF WATER-SOLUBLE NONELECTROLYTES, PRESENT IN-PROCESS FLUID-FLOWS, ON BED TREATMENT QUALITY. 38-42.
- Gonchakova, NN; Ivanova, NG; Kitayev, LY; Novikova, LA; Kubasov, AA; Sharf, VZ; Topchiyeva, KV. (1981). CATALYTIC ACTIVITY OF BORON PHOSPHATE CATALYSTS IN THE PREPARATION OF ISOPRENE FROM 4,4-DIMETHYL-1,3-DIOXANE. *Petroleum Chemistry*. 21: 133-142.
- Gong, SH; Penzkofer, A. (1999). Two-photon absorption and two-photon-induced absorption of some organic liquids at 347.15 nm. *Optical and Quantum Electronics*. 31: 269-290.
- Gong, Y; Ma, Z; Zhou, Q; Li, J, un; Gao, C; Shen, J. (2008). Poly(lactic acid) scaffold fabricated by gelatin particle leaching has good biocompatibility for chondrogenesis. *J Biomater Sci Polym Ed*. 19: 207-221.
- Gonzalez, JA; Mozo, I; Garcia, I; Fuente, DL; Cobos, JC; Durov, VA. (2006). Thermodynamics of 1-alkanol plus cyclic ether mixtures. *Fluid Phase Equilibria*. 245: 168-184. <http://dx.doi.org/10.1016/j.fluid.2006.05.003>.
- Gonzalez, L; Ferrando, F; Ramis, X; Maria Salla, J; Mantecon, A, na; Serra, A. (2009). Characterization of new reworkable thermosetting coatings obtained by cationic and anionic curing of DGEBA and some Meldrum acid derivatives. *Progr Org Coating*. 65: 175-181. <http://dx.doi.org/10.1016/j.porgcoat.2008.10.007>.
- Goonasekera, CS; Jack, KS; Cooper-White, JJ; Grondahl, L. (2016). Dispersion of hydroxyapatite nanoparticles in solution and in polycaprolactone composite scaffolds. 4: 409-421. <http://dx.doi.org/10.1039/c5tb02255j>.
- Goonoo, N; Bhaw-Luximon, A; Bowlin, GL; Jhurry, D. (2012). Diblock Poly(ester)-Poly(ester-ether) Copolymers: I. Synthesis, Thermal Properties, and Degradation Kinetics. *Ind Eng Chem Res*. 51: 12031-12040. <http://dx.doi.org/10.1021/ie301703j>.
- Goonoo, N; Bhaw-Luximon, A; Rodriguez, IA; Wesner, D; Schoenherr, H; Bowlin, GL; Jhurry, D. (2014). Poly(ester-ether)s: II. Properties of electrospun nanofibres from polydioxanone and poly(methyl dioxanone) blends and human fibroblast cellular proliferation. 2: 339-351. <http://dx.doi.org/10.1039/c3bm60211g>.
- Goossens, AM; Feijen, EJP; Verhoeven, G; Wouters, BH; Grobet, PJ; Jacobs, PA; Martens, JA. (2000). Crystallization of MAZ-type zeolites using tetramethylammonium, sodium and n-hexane derivatives as structure- and composition-directing agents. *Microporous and Mesoporous Materials*. 35-6: 555-572.
- Goto, M; Takabe, K; Abe, I. (1998). Histochemistry and UV-microspectrometry of cell walls of untreated and ammonia-treated barley straw. *Can J Plant Sci*. 78: 437-443.
- Govender, M; Bush, T; Spark, A; Bose, SK; Francis, RC. (2009). An accurate and non-labor intensive method for the determination of syringyl to guaiacyl ratio in lignin. *Bioresour Technol*. 100: 5834-5839. <http://dx.doi.org/10.1016/j.biortech.2009.06.009>.
- Govender, UP; Letcher, TM; Garg, SK; Ahluwalia, JC. (1996). Effect of temperature and pressure on the volumetric properties of branched and cyclic ethers. *Journal of Chemical and Engineering Data*. 41: 147-150.
- Gowd, EB; Koga, T; Endoh, MK; Kumar, K; Stamm, M. (2014). Pathways of cylindrical orientations in PS-b-P4VP diblock copolymer thin films upon solvent vapor annealing. *Soft Matter*. 10: 7753-7761. <http://dx.doi.org/10.1039/c4sm01460j>.
- Grablowitz, H; Lendlein, A. (2007). Synthesis and characterization of alpha,omega-dihydroxy-telechelic oligo(p-dioxanone). *J Mater Chem*. 17: 4050-4056. <http://dx.doi.org/10.1039/b707104c>.
- Grabtchev, I. (1994). THE SYNTHESIS AND PROPERTIES OF SOME TRIAZENE STILBENE FLUORESCENT BRIGHTENERS. *Dyes and Pigments*. 25: 249-254.
- Graciela Aguayo, M; Ruiz, J; Norambuena, M; Teixeira Mendonca, R. (2015). STRUCTURAL FEATURES OF DIOXANE LIGNIN FROM Eucalyptus globulus AND THEIR RELATIONSHIP WITH THE PULP YIELD OF CONTRASTING GENOTYPES. 17: 625-636. <http://dx.doi.org/10.4067/S0718-221X2015005000055>.
- Green, T; Lee, R; Moore, RB; Ashby, J; Willis, GA; Lund, VJ; MJL, C. (2000). Acetochlor-induced rat nasal tumors: Further studies on the mode of action and relevance to humans. *Regul Toxicol Pharmacol*. 32: 127-133. <http://dx.doi.org/10.1006/rtph.2000.1413>.
- Grodner, J; Jablonski, T. (2007). Present status and perspectives for the use of semiochemicals in protection of Horse-chestnuts against *Cameraria ohridella*. *Przemysł Chemiczny*. 86: 534-538.
- Grosjean, D. (1990). Atmospheric chemistry of toxic contaminants. 2. Saturated aliphatics: Acetaldehyde, dioxane, ethylene glycol ethers, propylene oxide. *J Air Waste Manag Assoc*. 40: 1522-1531.
- Gu, F; Wu, W; Wang, Z; Yokoyama, T; Jin, Y; Matsumoto, Y. (2015). Effect of complete dissolution in LiCl/DMSO on the isolation and characteristics of lignin from wheat straw internode. *Ind Crop Prod*. 74: 703-711. <http://dx.doi.org/10.1016/j.indcrop.2015.06.002>.
- Guajardo, N; Bernal, C; Wilson, L; Cabrera, Z. (2015). Selectivity of R-alpha-monobenzoate glycerol synthesis catalyzed by Candida antarctica lipase B immobilized on heterofunctional supports. *Process Biochemistry*. 50: 1870-1877. <http://dx.doi.org/10.1016/j.procbio.2015.06.025>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Guarino, V; Guaccio, A; Guarnieri, D; Netti, PA; Ambrosio, L. (2012). Binary system thermodynamics to control pore architecture of PCL scaffold via temperature-driven phase separation process. *J Biomater Appl.* 27: 241-254. <http://dx.doi.org/10.1177/0885328211401056>.
- Guguta, C; Eeuwijk, I; Smits, JMM; de Gelder, R. (2008). Structural diversity of ethinyl estradiol solvates. *Cryst Growth Des.* 8: 823-831. <http://dx.doi.org/10.1021/cg0702277>.
- Gui, L; Ling, Z; Xia, Y; Jian, W; He-An, L. (2010). Preparation, Characterization and Catalytic Properties of Sn-Containing MCM-41. *Wuji Cailiao Xuebao.* 25: 1041-1046. <http://dx.doi.org/10.3724/SP.J.1077.2010.01041>.
- Guilmette, RA; Cheng, YS; Griffith, WC. (1997). Characterising the variability in adult human nasal airway dimensions. *Ann Occup Hyg.* 41: 491-496.
- Gunduz, C; Salan, U; Ozkul, N; Basaran, I; Cakir, U; Bulut, M. (2006). The synthesis and complexation study of some novel 3-methoxyphenyl chromenone crown ethers using conductometry. *Dyes and Pigments.* 71: 161-167. <http://dx.doi.org/10.1016/j.dyepig.2005.06.021>.
- Guo, G; Li, S; Wang, L, u; Ren, S; Fang, G. (2013). Separation and characterization of lignin from bio-ethanol production residue. *Bioresour Technol.* 135: 738-741. <http://dx.doi.org/10.1016/abiorotech.2012.10.041>.
- Guo, J; Liu, X; Lee Miller, A; Waletzki, BE; Yaszemski, MJ; Lu, L. (2017). Novel porous poly(propylene fumarate-co-caprolactone) scaffolds fabricated by thermally induced phase separation. *J Biomed Mater Res A.* 105: 226-235. <http://dx.doi.org/10.1002/jbm.a.35862>.
- Guo, QH; Ohya, H; Yuan, XJ; Chen, LK; Huang, JC. (1995). PREPARATION OF ULTRAFILTRATION MEMBRANES OF HCEC AND CTA BLEND, AND STUDIES OF RESISTANCE TO MICROBIOLOGICAL DEGRADATION AND OTHER PROPERTIES. *J Memb Sci.* 100: 217-228.
- Gupta, BS; Fang, M, eiY; Taha, M; Lee, MJ, er. (2016). Separation of 1,3-dioxolane, 1,4-dioxane, acetonitrile and tert-butanol from their aqueous solutions by using Good's buffer HEPES-Na as an auxiliary agent. *Taiwan Institute of Chemical Engineers Journal.* 66: 43-53. <http://dx.doi.org/10.1016/j.jtice.2016.06.024>.
- Gupta, J; Wilson, BW; Vadlani, PV. (2016). Evaluation of green solvents for a sustainable zein extraction from ethanol industry DDGS. *Biomass and Bioenergy.* 85: 313-319. <http://dx.doi.org/10.1016/j.biombioe.2015.12.020>.
- Gurukul, SMK; Raju, BN. (1970). ISOBARIC VAPOR-LIQUID EQUILIBRIUM DATA FOR SYSTEM 1-PROPANOL-PARA-DIOXANE. *Journal of Chemical and Engineering Data.* 15: 361-&.
- Gurung, A; Hassan, SH; Oh, SE. (2011). Assessing acute toxicity of effluent from a textile industry and nearby river waters using sulfur-oxidizing bacteria in continuous mode. *Environ Technol.* 32: 1597-1604. <http://dx.doi.org/10.1080/09593330.2010.545081>.
- Gurung, A; Kim, S; Joo, J; Jang, M, in; Oh, S. (2012). Assessing toxicities of industrial effluents and 1,4-dioxane using sulphur-oxidising bacteria in a batch test. *Water Environ J.* 26: 224-234. <http://dx.doi.org/10.1111/j.1747-6593.2011.00280.x>.
- Guzman, D; Kirsebom, H; Solano, C; Quillaguaman, J; Hatti-Kaul, R. (2011). Preparation of hydrophilic poly(3-hydroxybutyrate) macroporous scaffolds through enzyme-mediated modifications. *J Bioact Compat Polymer.* 26: 452-463. <http://dx.doi.org/10.1177/0883911511419970>.
- Habibullah, M; Rahman, IMM; Uddin, MA; Anowar, M; Alam, M; Iwakabe, K; Hasegawa, H. (2013). Densities, Viscosities, and Speeds of Sound of Binary Mixtures of Heptan-1-ol with 1,4-Dioxane at Temperatures from (298.15 to 323.15) K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 58: 2887-2897. <http://dx.doi.org/10.1021/je400512u>.
- Haldar, U; Bauri, K; Li, R; Faust, R; De, P. (2015). Polyisobutylene-Based pH-Responsive Self-Healing Polymeric Gels. 7: 8779-8788. <http://dx.doi.org/10.1021/acsami.5b01272>.
- Halden, RU. (2015). Epistemology of contaminants of emerging concern and literature meta-analysis. *J Hazard Mater.* 282: 2-9. <http://dx.doi.org/10.1016/j.jhazmat.2014.08.074>.
- Hall, WC. (1990). Peritoneum, retroperitoneum, mesentery and abdominal cavity. In GA Boorman; SL Eustis; MR Elwell; CA Montgomery, Jr.; WF MacKenzie (Eds.), (pp. 63-69). San Diego, CA: Academic Press.
- Hamann, E; Stuyfzand, PJ; Greskowiak, J; Timmer, H; Massmann, G. (2016). The fate of organic micropollutants during long-term/long-distance river bank filtration. *Sci Total Environ.* 545-546: 629-640. <http://dx.doi.org/10.1016/j.scitotenv.2015.12.057>.
- Hamed, EA; Habeeb, MM; Elhegazy, FM; Shehata, AK. (1995). SOLVATION EFFECT ON THE PROTON-TRANSFER COMPLEX-FORMATION BETWEEN 2,4-DINITRO-1-NAPHTHOL AND AMINES. *Journal of Chemical and Engineering Data.* 40: 1037-1040.
- Hamoudi, Z; Belaribi, FB; Ait-Kaci, A; Boukais-Belaribi, G. (2006). Experimental and predicted excess molar enthalpies for 1,4-dioxane plus octane plus cyclohexane at 303.15 K. *Fluid Phase Equilibria.* 244: 62-67. <http://dx.doi.org/10.1016/j.fluid.2006.03.020>.
- Han, JS; So, MH; Kim, CG. (2009). Optimization of biological wastewater treatment conditions for 1,4-dioxane decomposition in polyester manufacturing processes. *Water Sci Technol.* 59: 995-1002. <http://dx.doi.org/10.2166/wst.2009.079>.
- Han, KJ; Oh, JH; Park, SJ. (2007). Densities and refractive indices of the ternary system ethyl tert-butyl ether (ETBE) plus ethanol plus benzene and its binary sub-systems at 298.15 K. *J Ind Eng Chem.* 13: 360-366.
- Han, M, in; Yuan, D, an; Liu, S; Bao, J; Dai, Z; Zhu, J. (2012). Facile synthesis of porous copper nanobelts and their catalytic performance. *Materials Research Bulletin.* 47: 4438-4444. <http://dx.doi.org/10.1016/j.materresbull.2012.09.044>.
- Han, S; Meng, L; Du, C; Xu, J; Cheng, C; Wang, J; Zhao, H. (2016). Solubility Measurement and Thermodynamic Modeling of 4-Nitrophthalimide in Twelve Pure Solvents at Elevated Temperatures Ranging from (273.15 to 323.15) K. *Journal of Chemical and Engineering Data.* 61: 2525-2535. <http://dx.doi.org/10.1021/acs.jced.6b00230>.
- Han, TH; Han, JS; So, MH; Seo, JW; Ahn, CM; Min, DH; Yoo, YS; Cha, DK; Kim, CG. (2012). The removal of 1,4-dioxane from polyester manufacturing process wastewater using an up-flow Biological Aerated Filter (UBAF) packed with tire chips. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 47: 117-129. <http://dx.doi.org/10.1080/10934529.2012.630291>.
- Hand, S; Wang, B; Chu, KH. (2015). Biodegradation of 1,4-dioxane: effects of enzyme inducers and trichloroethylene. *Sci Total Environ.* 520: 154-159. <http://dx.doi.org/10.1016/j.scitotenv.2015.03.031>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Hansch, C; Leo, A; Hoekman, D. (1995). Exploring QSAR: Hydrophobic, electronic, and steric constants. In C Hansch; A Leo; DH Hoekman (Eds.), ACS Professional Reference Book. Washington, DC: American Chemical Society.
- Hao, J; Liu, HJ; Liu, DH. (2005). Novel route of reactive extraction to recover 1,3-propanediol from a dilute aqueous solution. *Ind Eng Chem Res.* 44: 4380-4385. <http://dx.doi.org/10.1021/ie049346z>.
- Hao, J; Xu, F; Liu, HJ; Liu, DH. (2006). Downstream processing of 1,3-propanediol fermentation broth. *J Chem Tech Biotechnol.* 81: 102-108. <http://dx.doi.org/10.1002/jctb.1369>.
- Hara, T; Hashimoto, S; Sugahara, T; Ohgaki, K. (2005). Large pressure depression of methane hydrate by adding 1,1-dimethylcyclohexane. *Chem Eng Sci.* 60: 3117-3119. <http://dx.doi.org/10.1016/j.ces.2005.009>.
- Harkema, JR; Carey, SA; Wagner, JG. (2006). The nose revisited: A brief review of the comparative structure, function, and toxicologic pathology of the nasal epithelium [Review]. *Toxicol Pathol.* 34: 252-269. <http://dx.doi.org/10.1080/01926230600713475>.
- Harris, KR. (2015). Viscous Calibration Liquids for Self-Diffusion Measurements. *Journal of Chemical and Engineering Data.* 60: 3506-3517. <http://dx.doi.org/10.1021/acs.jced.5b00246>.
- Hasegawa, S; Azuma, M; Takahashi, K. (2008). Enzymatic esterification of lactic acid, utilizing the basicity of particular polar organic solvents to suppress the acidity of lactic acid. *J Chem Tech Biotechnol.* 83: 1503-1510. <http://dx.doi.org/10.1002/jctb.1935>.
- Haseman, JK; Hailey, JR. (1997). An update of the National Toxicology Program database on nasal carcinogens. *Mutat Res.* 380: 3-11. [http://dx.doi.org/10.1016/S0027-5107\(97\)00121-8](http://dx.doi.org/10.1016/S0027-5107(97)00121-8).
- Haseman, JK; Hailey, JR; Morris, RW. (1998). Spontaneous neoplasm incidences in Fischer 344 rats and B6C3F1 mice in two-year carcinogenicity studies: A National Toxicology Program update. *Toxicol Pathol.* 26: 428-441. <http://dx.doi.org/10.1177/019262339802600318>.
- Haseman, JK; Huff, J; Boorman, GA. (1984). Use of historical control data in carcinogenicity studies in rodents. *Toxicol Pathol.* 12: 126-135. <http://dx.doi.org/10.1177/019262338401200203>.
- Hassan, A, buM; Vu, DT; Bernard-Brunel, DA; Elliott, JR; Miller, DJ; Lira, CT. (2012). Application of the Step Potential for Equilibria and Dynamics (SPEAD) Method to Bioderived Esters and Acetals. *Ind Eng Chem Res.* 51: 3209-3214. <http://dx.doi.org/10.1021/ie2009058>.
- Hawley, GG; Lewis, RJ, Sr. (2001). Hawley's condensed chemical dictionary. In GG Hawley; RJ Lewis, Sr. (Eds.), (14 ed.). New York, NY: John Wiley & Sons.
- Hayashi, S; Watanabe, J; Kawajiri, K. (1991). Genetic polymorphisms in the 5'-flanking region change transcriptional regulation of the human cytochrome P450IIE1 gene. *J Biochem.* 110: 559-565.
- Heijkants, RGJ, C; Van Tienen, TG; De Groot, JH; Pennings, AJ; Buma, P; Veth, RPH; Schouten, AJ. (2006). Preparation of a polyurethane scaffold for tissue engineering made by a combination of salt leaching and freeze-drying of dioxane. *Journal of Materials Science.* 41: 2423-2428. <http://dx.doi.org/10.1007/s10853-006-7065-y>.
- Heise, A; Menzel, H; Yim, H; Foster, MD; Wieringa, RH; Schouten, AJ; Erb, V; Stamm, M. (1997). Grafting of polypeptides on solid substrates by initiation of N-carboxyanhydride polymerization by amino-terminated self-assembled monolayers. *Langmuir.* 13: 723-728.
- Herba, H; Czechowski, G; Zywucki, B; Stockhausen, M; Jadzyn, J. (1995). EXCESS MOLAR VOLUMES OF BINARY-MIXTURES OF AMINO-ALCOHOLS WITH 1,4-DIOXANE. *Journal of Chemical and Engineering Data.* 40: 214-215.
- Herslund, P; Thomsen, K, aj; Abildskov, J; von Solms, N; Galfre, A; Brantuas, P; Kwaterski, M; Herri, JM. (2013). Thermodynamic promotion of carbon dioxide-clathrate hydrate formation by tetrahydrofuran, cyclopentane and their mixtures. *Int J Greenhouse Gas Control.* 17: 397-410. <http://dx.doi.org/10.1016/j.ijggc.2013.05.022>.
- Hey, MJ; Alsagheer, F. (1994). INTERPHASE TRANSFER RATES IN EMULSIONS STUDIED BY NMR-SPECTROSCOPY. *Langmuir.* 10: 1370-1376.
- Hidaka, K; Iwakawa, Y; Maoka, T; Tanimoto, F; Oku, A. (2009). Viable chemical recycling of poly(carbonate) as a phosgene equivalent illustrated by the coproduction of bisphenol A and carbohydrate carbonates. *Journal of Material Cycles and Waste Management.* 11: 6-10. <http://dx.doi.org/10.1007/s10163-008-0211-7>.
- Hidalgo-Carrillo, J; Angeles Aramendia, M; Marinas, A; Maria Marinas, J; Jose Urbano, F. (2010). Support and solvent effects on the liquid-phase chemoselective hydrogenation of crotonaldehyde over Pt catalysts. *Appl Catal A-Gen.* 385: 190-200. <http://dx.doi.org/10.1016/j.apcata.2010.07.012>.
- Hidalgo-Carrillo, J; Marinas, A; Marinas, JM; Delgado, JJ; Raya-Miranda, R; Urbano, FJ. (2014). Water as solvent in the liquid-phase selective hydrogenation of crotonaldehyde to crotyl alcohol over Pt/ZnO: A factorial design approach. *Appl Catal B-Environ.* 154: 369-378. <http://dx.doi.org/10.1016/j.apcatb.2014.02.023>.
- Hiki, S; Taniguchi, I; Miyamoto, M; Kimura, Y. (2001). Synthesis and characterization of a novel rac-PHB derivative containing alpha-malate units. *Sen'i Gakkaishi.* 57: 191-197.
- Hindley, S; Jones, AC; Ashraf, S; Bacsá, J; Steiner, A; Chalker, PR; Beahan, P; Williams, PA; Odedra, R. (2011). Metal Organic Chemical Vapour Deposition of Vertically Aligned ZnO Nanowires Using Oxygen Donor Adducts. *J Nanosci Nanotechnol.* 11: 8294-8301. <http://dx.doi.org/10.1166/jnn.2011.5038>.
- Hoch, M. (1997). Thermodynamics of binary and larger organic-organic and organic-water systems. *CALPHAD.* 21: 359-379.
- Hoebbel, D; Nacken, M; Schmidt, H; Huch, V; Veith, M. (1998). X-ray and NMR spectroscopic characterisation of cyclic titanodiphenylsiloxanes and examination of the hydrolytic stability of their Si-O-Ti bonds. *J Mater Chem.* 8: 171-178.
- Hofrichter, M; Scheibner, K; Bublitz, F; Schneegass, I; Ziegenhagen, D; Martens, R; Fritsche, W. (1999). Depolymerization of straw lignin by manganese peroxidase from *Nematoloma frowardii* is accompanied by release of carbon dioxide. *Holzforschung.* 53: 161-166.
- Hogue, C. (2009). 1,4-Dioxane Exposure not harmful, Canada says. *Chem Eng News.* 87: 24-24.
- Holda, AK; Vankelecom, I, voFJ. (2014). Integrally skinned PSF-based SRNF-membranes prepared via phase inversion-Part B: Influence of low molecular weight additives. *J Memb Sci.* 450: 499-511. <http://dx.doi.org/10.1016/j.memsci.2013.08.051>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Holguin, AR; Rodriguez, GA; Cristancho, DM; Delgado, DR; Martinez, F. (2012). Solution thermodynamics of indomethacin in propylene glycol plus water mixtures. *Fluid Phase Equilibria*. 314: 134-139. <http://dx.doi.org/10.1016/j.fluid.2011.11.001>.
- Hollamby, MJ; Tabor, R; Mutch, KJ; Trickett, K; Eastoe, J; Heenan, RK; Grillo, I. (2008). Effect of Solvent Quality on Aggregate Structures of Common Surfactants. *Langmuir*. 24: 12235-12240. <http://dx.doi.org/10.1021/la8020854>.
- Holmgren, A; Zhang, L; Henriksson, G. (2008). Monolignol dehydrogenative polymerization in vitro in the presence of dioxane and a methylated beta-beta ' dimer model compound. *Holzforschung*. 62: 508-513. <http://dx.doi.org/10.1515/HF.008.099>.
- Holzer, W; Penzkofer, A; Horhold, HH. (2000). Travelling-wave lasing of TPD solutions and neat films. *Synthetic Metals*. 113: 281-287.
- Holzer, W; Penzkofer, A; Horhold, HH; Raabe, D; Helbig, M. (2000). Photo-physical and lasing characterization of an aromatic diamine-xylylene copolymer. *Optical Materials*. 15: 225-235.
- Holzer, W; Penzkofer, A; Lux, A; Horhold, HH; Kley, EB. (2004). Photo-physical and lasing characterisation of neat films of a thianthrene-substituted distyrylbenzene dye (Thianthrene-DSB). *Synthetic Metals*. 145: 119-127. <http://dx.doi.org/10.1016/j.synthmet.2004.04.027>.
- Holzer, W; Penzkofer, A; Stockmann, R; Meysel, H; Liebegott, H; Horhold, HH. (2001). Energy density dependent fluorescence quenching of diphenyl substituted phenylene-vinylene and diphenylene-vinylene polymers by exciton-exciton annihilation. *Synthetic Metals*. 125: 343-357.
- Hong, Z; Reis, RL; Mano, JF. (2008). Preparation and in vitro characterization of scaffolds of poly(L-lactic acid) containing bioactive glass ceramic nanoparticles. *Acta Biomater*. 4: 1297-1306. <http://dx.doi.org/10.1016/j.actbio.2008.03.007>.
- Horikoshi, S; Serpone, N. (2014). On the influence of the microwaves' thermal and non-thermal effects in titania photoassisted reactions. *Catalysis Today*. 224: 225-235. <http://dx.doi.org/10.1016/j.cattod.2013.10.056>.
- Hortling, B. (1992). DIOXANE LIGNINS FROM PINUS-CARIBAEA VAR HONDURENSIS .1. EFFECT OF CATALYST CONCENTRATION. 74: 323-323.
- Hosokawa, T; Datta, S; Sheth, AR; Brooks, NR; Young, VG; Grant, DJW. (2004). Isostructurality among five solvates of phenylbutazone. *Cryst Growth Des*. 4: 1195-1201. <http://dx.doi.org/10.1021/cg049923m>.
- Hosoya, A; Kurakami, G; Narita, T; Hamana, H. (2007). Novel fluorinated hybrid polymers from tris(alpha-trifluoromethyl-beta, beta-difluorovinyl) 1,3,5-benzenetricarboxylate by radical polyaddition with diethoxydimethylsilane. *React Funct Polym*. 67: 1187-1191. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.06.011>.
- Hou, Q; Grijpma, DW; Feijen, J. (2003). Preparation of interconnected highly porous polymeric structures by a replication and freeze-drying process. *J Biomed Mater Res B Appl Biomater*. 67: 732-740. <http://dx.doi.org/10.1002/jbm.b.10066>.
- Hsieh, CM; Wang, S, hu; Lin, ST, ai; Sandler, SI. (2011). A Predictive Model for the Solubility and Octanol-Water Partition Coefficient of Pharmaceuticals. *Journal of Chemical and Engineering Data*. 56: 936-945. <http://dx.doi.org/10.1021/je1008872>.
- Hsieh, CY; Hsieh, HJ; Liu, HC; Wang, DM; Hou, LT. (2006). Fabrication and release behavior of a novel freeze-gelled chitosan/gamma-PGA scaffold as a carrier for rhBMP-2. *Dent Mater*. 22: 622-629. <http://dx.doi.org/10.1016/j.dental.2005.05.012>.
- Hsu, CY, u; Kuo, MH; Kuo, PL, in. (2015). Preparation, characterization, and properties of poly(styrene-b-sulfonated isoprene)s membranes for proton exchange membrane fuel cells (PEMFCs). *J Memb Sci*. 484: 146-153. <http://dx.doi.org/10.1016/j.memsci.2015.02.038>.
- Hu, F, an; Jung, S; Ragauskas, A. (2013). Impact of Pseudolignin versus Dilute Acid-Pre-treated Lignin on Enzymatic Hydrolysis of Cellulose. 1: 62-65. <http://dx.doi.org/10.1021/sc300032j>.
- Hu, TQ; James, BR; Wang, Y. (1999). Towards inhibition of yellowing of mechanical pulps. Part III. Hydrogenation of milled wood lignin. *Journal of Pulp & Paper Science*. 25: 312-317.
- Hu, X; Shen, H; Yang, F, ei; Bei, J; Wang, S. (2008). Preparation and cell affinity of microtubular orientation-structured PLGA(70/30) blood vessel scaffold. *Biomaterials*. 29: 3128-3136. <http://dx.doi.org/10.1016/j.biomaterials.2008.04.010>.
- Hua, FJ; Kim, GE; Lee, JD; Son, YK; Lee, DS. (2002). Macroporous poly(L-lactide) scaffold 1. Preparation of a macroporous scaffold by liquid-liquid phase separation of a PLLA-dioxane-water system. *J Biomed Mater Res*. 63: 161-167.
- Huang, CY; Huang, KL; Cheng, TJ; Wang, JD; Hsieh, LL. (1997). The GST T1 and CYP2E1 genotypes are possible factors causing vinyl chloride induced abnormal liver function. *Arch Toxicol*. 71: 482-488. <http://dx.doi.org/10.1007/s002040050416>.
- Huang, H; Shen, D; Li, N, a; Shan, D, an; Shentu, J; Zhou, Y. (2014). Biodegradation of 1,4-Dioxane by a Novel Strain and Its Biodegradation Pathway. *Water Air Soil Pollut*. 225: 2135-2135. <http://dx.doi.org/10.1007/s11270-014-2135-2>.
- Huang, S, huH; Liu, Y, uY; Huang, Y, unH; Liao, K, uoS; Hu, CC; Lee, KR; Lai, JY, ih. (2014). Study on characterization and pervaporation performance of interfacially polymerized polyamide thin-film composite membranes for dehydrating tetrahydrofuran. *J Memb Sci*. 470: 411-420. <http://dx.doi.org/10.1016/j.memsci.2014.07.022>.
- Huang, Y, u; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2015). HEMICELLULOSE COMPOSITION IN DIFFERENT CELL WALL FRACTIONS OBTAINED USING A DMSO/LICL WOOD SOLVENT SYSTEM AND ENZYME HYDROLYSIS. *Journal of Wood Chemistry and Technology*. 36: 56-62. <http://dx.doi.org/10.1080/02773813.2015.1074248>.
- Huang, Y, u; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2016). Analysis of Lignin Aromatic Structure in Wood Fractions Based on IR Spectroscopy. *Journal of Wood Chemistry and Technology*. 36: 377-382. <http://dx.doi.org/10.1080/02773813.2016.1179325>.
- Hueckel, T. (1997). Chemo-plasticity of clays subjected to stress and flow of a single contaminant. *International Journal for Numerical and Analytical Methods in Geomechanics*. 21: 43-72.
- Huo, Q; Russell, KC; Leblanc, RM. (1998). Effect of complementary hydrogen bonding additives in subphase on the structure and properties of the 2-amino-4,6-dioctadecylamino-1,3,5-triazine amphiphile at the air-water interface: Studies by ultraviolet-visible absorption spectroscopy and Brewster angle microscopy. *Langmuir*. 14: 2174-2186.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Husain, A; Ellwart, M; Bourne, SA; Ohrstrom, L; Oliver, CL. (2013). Single-Crystal-to-Single-Crystal Transformation of a Novel 2-Fold Interpenetrated Cadmium–Organic Framework with Trimesate and 1,2-Bis(4-pyridyl)ethane into the Thermally Desolvated Form Which Exhibits Liquid and Gas Sorption Properties. *Cryst Growth Des.* 13: 1526-1534. <http://dx.doi.org/10.1021/cg301760a>.
- Huvaere, K; Sinnaeve, B; Van Bocxlaer, J; Skibsted, LH. (2012). Flavonoid deactivation of excited state flavins: reaction monitoring by mass spectrometry. *J Agric Food Chem.* 60: 9261-9272. <http://dx.doi.org/10.1021/jf301823h>.
- Hwang, H; Moon, S, unJoo; Won, K; Kim, YH; Choi, JW. (2015). Parameters affecting in vitro monolignol couplings during dehydrogenative polymerization in the presence of peroxidase and H₂O₂. *J Ind Eng Chem.* 26: 390-395. <http://dx.doi.org/10.1016/j.jiec.2014.12.014>.
- ICRP. (1975). Report of the task group on reference man. In ICRP Publication 23. Oxford, UK: Pergamon Press. http://ani.sagepub.com/site/include/files/icrp_publications_collection.xhtml.
- ICRP. (2002). Basic anatomical and physiological data for use in radiological protection: Reference values. In *Annals of the ICRP* (pp. 1-277). (ICRP Publication 89). New York, NY: Pergamon Press. [http://dx.doi.org/10.1016/S0146-6453\(03\)00002-2](http://dx.doi.org/10.1016/S0146-6453(03)00002-2).
- Ikehata, K; Wang-Staley, L; Qu, X; Li, Y. (2016). Treatment of groundwater contaminated with 1,4-dioxane, tetrahydrofuran, and chlorinated volatile organic compounds using advanced oxidation processes. *Ozone: Science and Engineering.* 38: 413-424. <http://dx.doi.org/10.1080/01919512.2016.1198686>.
- Il Lee, S; Cho, A, ra; Koh, J; Moon, SH. (2012). Preparation of CoMoS catalysts for hydrodesulfurization using methylacetoacetate as a chelating agent. *Korean J Chem Eng.* 29: 310-316. <http://dx.doi.org/10.1007/s11814-011-0171-9>.
- Ilani-Kashkoui, P; Babae, S; Gharagheizi, F; Hashemi, H; Mohammadi, AH; Ramjugernath, D. (2013). An assessment test for phase equilibrium data of water soluble and insoluble clathrate hydrate formers. *Fluid Phase Equilibria.* 360: 68-76. <http://dx.doi.org/10.1016/j.fluid.2013.08.016>.
- Ilharco, LM; Garcia, AR; Dasilva, JL; Lemos, MJ; Ferreira, LFV. (1997). Ultraviolet-visible and Fourier transform infrared diffuse reflectance studies of benzophenone and fluorenone adsorbed onto microcrystalline cellulose. *Langmuir.* 13: 3787-3793.
- Illbeigi, M; Fazlali, A; Mohammadi, AH. (2011). Thermodynamic Model for the Prediction of Equilibrium Conditions of Clathrate Hydrates of Methane plus Water-Soluble or -Insoluble Hydrate Former. *Ind Eng Chem Res.* 50: 9437-9450. <http://dx.doi.org/10.1021/ie200442h>.
- Imai, T; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin IV: dependence of acidolysis reaction on the type of acid. *J Wood Sci.* 57: 219-225. <http://dx.doi.org/10.1007/s10086-010-1166-6>.
- Inglese, A; Grolier, JPE; Wilhelm, E. (1983). EXCESS VOLUMES OF MIXTURES OF OXOLANE, OXANE, 1,3-DIOXOLANE, AND 1,4-DIOXANE WITH NORMAL-ALKANES AT 298.15-K, 308.15-K, AND 318.15-K. *Journal of Chemical and Engineering Data.* 28: 124-127.
- Inglese, A; Grolier, JPE; Wilhelm, E. (1984). EXCESS VOLUMES AND EXCESS HEAT-CAPACITIES OF OXANE + CYCLOHEXANE AND 1,4-DIOXANE + CYCLOHEXANE. *Fluid Phase Equilibria.* 15: 287-294.
- Ingram, AJ; Grasso, P. (1985). Nuclear enlargement--an early change produced in mouse epidermis by carcinogenic chemicals applied topically in the presence of a promoter. *J Appl Toxicol.* 5: 53-60. <http://dx.doi.org/10.1002/jat.2550050203>.
- Ingram, AJ; Grasso, P. (1987). Nuclear enlargement produced in mouse skin by carcinogenic mineral oils. *J Appl Toxicol.* 7: 289-295.
- Ion, I, on; Sirbu, F; Ion, AC. (2013). Density, Refractive Index, and Ultrasound Speed in Mixtures of Active Carbon and Exfoliated Graphite Nanoplatelets Dispersed in N,N-Dimethylformamide at Temperatures from (293.15 to 318.15) K. *Journal of Chemical and Engineering Data.* 58: 1212-1222. <http://dx.doi.org/10.1021/je301343n>.
- Iqbal, MJ; Chaudhry, MA. (2009). Thermodynamic Study of Phenyl Salicylate Solutions in Aprotic Solvents at Different Temperatures. *Journal of Chemical and Engineering Data.* 54: 338-341. <http://dx.doi.org/10.1021/je8003595>.
- Isaacson, C; Mohr, TKG; Field, JA. (2006). Quantitative determination of 1,4-dioxane and tetrahydrofuran in groundwater by solid phase extraction GC/MS/MS. *Environ Sci Technol.* 40: 7305-7311. <http://dx.doi.org/10.1021/es0615270>.
- Isaev, RN. (1996). Determination of maleinimides by a kinetic method. *Industrial Laboratory.* 62: 675-677.
- Isaev, RN; Ishkov, AV. (1997). Spectrophotometric determination of tolylmaleimides. *Industrial Laboratory.* 63: 13-15.
- Isaka, K; Udagawa, M; Sei, K; Ike, M. (2016). Pilot test of biological removal of 1,4-dioxane from a chemical factory wastewater by gel carrier entrapping *Afipia* sp. strain D1. *J Hazard Mater.* 304: 251-258. <http://dx.doi.org/10.1016/j.jhazmat.2015.10.066>.
- Ishida, H; Wakimoto, T; Kitao, Y; Tanaka, S; Miyase, T; Nukaya, H. (2009). Quantitation of chafurosides A and B in tea leaves and isolation of prechafurosides A and B from oolong tea leaves. *J Agric Food Chem.* 57: 6779-6786. <http://dx.doi.org/10.1021/jf900032z>.
- Ishizaki, T; Chiba, S; Kaneko, Y; Panomsuwan, G. (2014). Electrocatalytic activity for the oxygen reduction reaction of oxygen-containing nanocarbon synthesized by solution plasma. 2: 10589-10598. <http://dx.doi.org/10.1039/c4ta01577k>.
- Ito, H; Imai, T; Lundquist, K; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the Mechanism of beta-O-4 Bond Cleavage During Acidolysis of Lignin. Part 3: Search for the Rate-Determining Step of a Non-Phenolic C-6-C-3 Type Model Compound. *Journal of Wood Chemistry and Technology.* 31: 172-182. <http://dx.doi.org/10.1080/02773813.2010.515050>.
- Iulian, O; Hamplea, LM; Jinescu, G. (1997). Vapour-liquid equilibria of binary and ternary systems containing water, dimethylsulphoxide and 1,4-dioxane. *Hungarian Journal of Industrial Chemistry.* 25: 249-253.
- Iulian, O; Iliuta, M; Hamplea, L; Lintes, G. (1995). REFRACTION INDEX-COMPOSITION CALIBRATION CURVES FOR WATER-ORGANIC COMPONENT HOMOGENEOUS LIQUID-MIXTURES. *Rev Chim.* 46: 591-593.
- Iulian, O; Jinescu, G; Iliuta, M; Hamplea, L. (1994). MODELS FOR VISCOSITY OF LIQUID-SYSTEMS - APPLICATION TO THE BINARY AND TERNARY SOLVENT MIXTURES. *Hungarian Journal of Industrial Chemistry.* 22: 95-100.
- Iulian, O; Nita, I; Ciocirlan, O; Catriniciu, M; Fedeles, A. (2009). Property Prediction for Binary and Ternary Systems with Water, 1,4-Dioxane, Ethyleneglycol and Diethyleneglycol. *Rev Chim.* 60: 972-975.
- Iwata, F; Sumiya, Y; Nagami, S; Sasaki, A. (2004). Submicrometre-scale fabrication of polycarbonate surface using a scanning micropipette probe microscope. *Nanotechnology.* 15: 422-426. <http://dx.doi.org/10.1088/0957-4484/15/5/003>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Izci, A; Bodur, F. (2007). Liquid-phase esterification of acetic acid with isobutanol catalyzed by ion-exchange resins. *React Funct Polym.* 67: 1458-1464. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.07.019>.
- Izci, A; Hosgun, HL. (2007). Kinetics of synthesis of isobutyl propionate over Amberlyst-15. *Turkish Journal of Chemistry.* 31: 493-499.
- Izci, A; Uyar, E; Izci, E. (2009). Determination of Adsorption and Kinetic Parameters for Synthesis of Isobutyl Acetate Catalyzed by Amberlite IR-122. *Chemical Engineering Communications.* 196: 56-67. <http://dx.doi.org/10.1080/00986440802303293>.
- Izotova, L; Ibragimov, B; Ashurov, J; Talipov, S; Weber, E. (2006). Growth of six different crystals of the versatile host compound 1,1'-binaphthyl-2,2'-dicarboxylic acid from solutions in 1,4-dioxane. *Cryst Growth Des.* 6: 2523-2529. <http://dx.doi.org/10.1021/cg060274j>.
- Izumi, Y; Iida, K; Usami, K; Nagata, T. (2003). An efficient method for acetolysis of cyclic ethers catalyzed by heteropolyacid. *Appl Catal A-Gen.* 256: 199-202. [http://dx.doi.org/10.1016/S0926-860X\(03\)00399-5](http://dx.doi.org/10.1016/S0926-860X(03)00399-5).
- Jackson, RE; Dwarakanath, V. (1999). Chlorinated degreasing solvents: Physical-chemical properties affecting aquifer contamination and remediation. *Ground Water Monitoring and Remediation.* 19: 102-110.
- Jacobs, A; Faleni, N; Nassimbeni, LR; Taljaard, JH. (2007). Inclusion by a xanthenol host: Relating structure to the kinetics of desolvation and guest exchange. *Cryst Growth Des.* 7: 1003-1006. <http://dx.doi.org/10.1021/cg060792u>.
- Jacobs, A; Nassimbeni, LR; Nohako, KL; Su, H; Taljaard, JH. (2008). Inclusion with mixed guests: Structure and selectivity. *Cryst Growth Des.* 8: 1301-1305. <http://dx.doi.org/10.1021/cg7010343>.
- Jager, MD; de Deugd, RM; Peters, CJ; Arons, JD; Sloan, ED. (1999). Experimental determination and modeling of structure II hydrates in mixtures of methane plus water plus 1,4-dioxane. *Fluid Phase Equilibria.* 165: 209-223.
- Jager, MD; De Deugd, RM; Peters, CJ; Arons, JD; Sloan, ED. (2000). A model for systems with soluble hydrate formers. *Ann N Y Acad Sci.* 912: 917-923.
- Jahan, MS; Chowdhury, DA; Islam, MK; Moeiz, SM. (2007). Characterization of lignin isolated from some nonwood available in Bangladesh. *Bioresour Technol.* 98: 465-469. <http://dx.doi.org/10.1016/j.biortech.2006.01.005>.
- Jahan, MS; Liu, Z; Wang, H; Saeed, A; Ni, Y. (2012). ISOLATION AND CHARACTERIZATION OF LIGNIN FROM PREHYDROLYSIS LIQUOR OF KRAFT-BASED DISSOLVING PULP PRODUCTION. *Cellulose Chemistry and Technology.* 46: 261-267.
- Jahan, MS; Mun, SP. (2007). Characteristics of dioxane lignins isolated at different ages of Nalita wood (*Trema orientalis*). *Journal of Wood Chemistry and Technology.* 27: 83-98. <http://dx.doi.org/10.1080/02773810701486865>.
- Jain, AK; Srivastava, RK. (1996). Ab-initio studies on electroosmotic separation: Separation of 1,4-dioxane in water solution. *J Memb Sci.* 112: 41-46.
- Jain, P; Singh, M. (2004). Density, viscosity, and excess properties of binary liquid mixtures of propylene carbonate with polar and nonpolar solvents. *Journal of Chemical and Engineering Data.* 49: 1214-1217. <http://dx.doi.org/10.1021/jc034204h>.
- Jankulovska, M; Soptrajanova, L; Spirevska, I; Colancevska-Ragenovik, K; Ristovski, S. (2010). INVESTIGATION OF SOLVENT EFFECTS ON ELECTRONIC ABSORPTION SPECTRA OF SOME SUBSTITUTED 1,2,4-TRIAZOLINE-3-THIONES. *Macedonian Journal of Chemistry and Chemical Engineering.* 29: 43-50.
- Jaramillo, JCP; Velazco, DRM; Baldrich, C. (2004). Semiquantitative analysis of thiophenic compounds in light cycle oil (LCO) using C-13 NMR spectroscopy. *Fuel.* 83: 337-342. <http://dx.doi.org/10.1016/j.fuel.2003.08.008>.
- Jasmann, J; Borch, T; Sale, TC; Blotevogel, J. (2016). Advanced Electrochemical Oxidation of 1,4-Dioxane via Dark Catalysis by Novel Titanium Dioxide (TiO₂) Pellets. *Environ Sci Technol.* 50: 8817-8826. <http://dx.doi.org/10.1021/acs.est.6b02183>.
- Jayant, V; Das, D. (2016). 1,4-Dioxane-Specific Organic Hosts and Their Polymorphism. *Cryst Growth Des.* 16: 4183-4189. <http://dx.doi.org/10.1021/acs.cgd.6b00830>.
- Jedrych, E; Ziolkowska, K; Chudy, M; Brzozka, Z. (2010). Microfluidic device for cell culture. 86: 33-35.
- Jeetah, R; Bhaw-Luximon, A; Jhurry, D. (2012). New amphiphilic PEG-b-P(ester-ether) micelles as potential drug nanocarriers. *J Nanopart Res.* 14. <http://dx.doi.org/10.1007/s11051-012-1168-y>.
- Jensen, J; Rölling, JH; Le, DQ; Kristiansen, AA; Nygaard, JV; Hokland, LB; Bendtsen, M; Kassem, M; Lysdahl, H; Bünger, CE. (2014). Surface-modified functionalized polycaprolactone scaffolds for bone repair: in vitro and in vivo experiments. *J Biomed Mater Res A.* 102: 2993-3003. <http://dx.doi.org/10.1002/jbm.a.34970>.
- Jeong, J; Antonyraj, CA; Shin, S; Kim, S; Kim, B; Lee, KY; Cho, J, inKu. (2013). Commercially attractive process for production of 5-hydroxymethyl-2-furfural from high fructose corn syrup. *J Ind Eng Chem.* 19: 1106-1111. <http://dx.doi.org/10.1016/j.jiec.2012.12.004>.
- Jia, L, in; Levy, D; Durand, D; Imperor-Clerc, M; Cao, A; Li, M, inHui. (2011). Smectic polymer micellar aggregates with temperature-controlled morphologies. *Soft Matter.* 7: 7395-7403. <http://dx.doi.org/10.1039/c1sm05636k>.
- Jiang, B, in; Wang, B; Zhang, L; Sun, Y; Xiao, X; Yang, N, a; Dou, H. (2016). Preparation of poly(L-lactic acid) membrane from solvent mixture via immersion precipitation. *Separation Science and Technology.* 51: 2940-2947. <http://dx.doi.org/10.1080/01496395.2016.1239638>.
- Jiang, K, un; Sheng, D; Zhang, Z; Fu, J, ie; Hou, Z; Liu, X. (2016). Hydrogenation of levulinic acid to gamma-valerolactone in dioxane over mixed MgO-Al₂O₃ supported Ni catalyst. *Catalysis Today.* 274: 55-59. <http://dx.doi.org/10.1016/j.cattod.2016.01.056>.
- Jiang, S; Qin, Y; Wu, S; Xu, S; Li, K; Yang, P; Zhao, K; Lin, L; Gong, J. (2017). Solubility Correlation and Thermodynamic Analysis of Sorafenib Free Base and Sorafenib Tosylate in Monosolvents and Binary Solvent Mixtures. *Journal of Chemical and Engineering Data.* 62: 259-267. <http://dx.doi.org/10.1021/acs.jced.6b00630>.
- Jiang, XK; Ji, GZ; Zhang, JT. (1994). EFFECTIVE NEUTRAL DEAGGREGATORS. *Langmuir.* 10: 122-125.
- Jiang, XK; Shi, JL; Chen, X. (1996). Aggregating tendencies of some phosphonates and phosphinates. *Langmuir.* 12: 3881-3884.
- Jiang, Y, i; Lu, L; Chen, P, ei; Chen, X; Li, J; An, Z. (2012). Synthesis and properties of allyloxy-based biphenyl liquid crystals with multiple lateral fluoro substituents. *Liquid Crystals.* 39: 957-963. <http://dx.doi.org/10.1080/02678292.2012.688224>.
- Jiang, ZH; Argyropoulos, DS. (1999). Isolation and characterization of residual lignins in kraft pulps. *Journal of Pulp & Paper Science.* 25: 25-29.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Jiao, T; Gao, F; Wang, Y; Zhou, J; Gao, F; Luo, X. (2012). Supramolecular Gel and Nanostructures of Bolaform and Trigonal Cholesteryl Derivatives with Different Aromatic Spacers. *Current Nanoscience*. 8: 111-116.
- Jimenez, DM; Cardenas, ZJ; Delgado, DR; Jouyban, A; Martinez, F. (2014). Solubility and Solution Thermodynamics of Meloxicam in 1,4-Dioxane and Water Mixtures. *Ind Eng Chem Res*. 53: 16550-16558. <http://dx.doi.org/10.1021/ie503101h>.
- Jimenez, DM; Cardenas, ZJ; Delgado, DR; Pena, MA; Martinez, F. (2015). Solubility temperature dependence and preferential solvation of sulfadiazine in 1,4-dioxane + water co-solvent mixtures. *Fluid Phase Equilibria*. 397: 26-36. <http://dx.doi.org/10.1016/j.fluid.2015.03.046>.
- Jin, H; Huang, Y; Wang, X, in; Yu, P; Luo, Y. (2016). Preparation of modified cellulose acetate membranes using functionalized multi-walled carbon nanotubes for forward osmosis. *Desalination and Water Treatment*. 57: 7166-7174. <http://dx.doi.org/10.1080/19443994.2015.1017010>.
- Jin, M; Froberg, P; Sun, Y; Li, P; Yu, J; Ulrich, J. (2015). Study on metastable zone width and crystal growth of a ternary system: case study MgCl₂ center dot 6H(2)O center dot 1,4-dioxane. *Chem Eng Sci*. 133: 181-189. <http://dx.doi.org/10.1016/j.ces.2014.12.025>.
- Jin, M; Sun, Y; Li, P; Yu, J; Ulrich, J. (2015). The thermal decomposition study of MgCl₂ center dot 6H(2)O center dot 1,4-C₄H₈O₂. *Chem Eng Res Des*. 104: 256-263. <http://dx.doi.org/10.1016/j.cherd.2015.08.011>.
- Johansson, C; Lundquist, K; Theliander, H. (2009). FRACTIONATION OF PROCESSED SPRUCE WOOD OBTAINED IN THE PRODUCTION OF ETHANOL. *BioResources*. 4: 15-25.
- Johansson, DM; Theander, M; Inganas, O; Andersson, MR. (2000). A convenient synthetic route to poly(p-phenylene-1,2-diphenylvinylenes). *Synthetic Metals*. 113: 293-297.
- Johns, MM; Marshall, WE; Toles, CA. (1998). Agricultural by-products as granular activated carbons for adsorbing dissolved metals and organics. *J Chem Tech Biotechnol*. 71: 131-140.
- Johnsson, P; Kamal-Eldin, A; Lundgren, LN; Aman, P. (2000). HPLC method for analysis of secoisolariciresinol diglucoside in flaxseeds. *J Agric Food Chem*. 48: 5216-5219.
- Johnston, A; Florence, AJ; Shankland, N; Kennedy, AR; Shankland, K; Price, SL. (2007). Crystallization and crystal energy landscape of hydrochlorothiazide. *Cryst Growth Des*. 7: 705-712. <http://dx.doi.org/10.1021/cg0606242>.
- Johnston, EE; Bryers, JD; Ratner, BD. (2005). Plasma deposition and surface characterization of oligoglyme, dioxane, and crown ether nonfouling films. *Langmuir*. 21: 870-881. <http://dx.doi.org/10.1021/la036274s>.
- Joo, H; Chae, HJ; Yeo, JS; Yoo, YJ. (1997). Depolymerization of phenolic polymers using horseradish peroxidase in organic solvent. *Process Biochemistry*. 32: 291-296.
- Joshi, SS; Aminabhavi, TM. (1990). EXCESS VOLUMES OF BINARY-MIXTURES OF ANISOLE WITH BROMOBENZENE, O-DICHLOROBENZENE, O-CHLOROANILINE AND P-DIOXANE AT 298.15, 303.15 AND 313.15-K. *Fluid Phase Equilibria*. 60: 319-326.
- Joshi, SS; Aminabhavi, TM; Balundgi, RH. (1991). EXCESS PROPERTIES OF BINARY-LIQUID MIXTURES OF NITROBENZENE WITH ALIPHATIC LIQUIDS IN THE TEMPERATURE-RANGE 298.15-313.15 K. 29: 541-544.
- Joshi, YS; Kumbharkhane, AC. (2012). Study of dielectric relaxation and hydrogen bonding in water+2-butoxyethanol mixtures using TDR technique. *Fluid Phase Equilibria*. 317: 96-101. <http://dx.doi.org/10.1016/j.fluid.2012.01.005>.
- Jozwiak, M. (2011). Effect of Base-Acid Properties of the Mixture of Water with Propan-1-ol on the Solution Enthalpy of Cyclic Ethers in This Mixture at T=298.15 K. *Journal of Chemical and Engineering Data*. 56: 4710-4714. <http://dx.doi.org/10.1021/je200695y>.
- Jozwiak, M; Kosiorowska, MA. (2010). Effect of Temperature on the Process of Hydrophobic Hydration. Part I. Hydrophobic Hydration of 1,4-Dioxane and 12-Crown-4 Ethers. *Journal of Chemical and Engineering Data*. 55: 2776-2780. <http://dx.doi.org/10.1021/je900996k>.
- Jozwiak, M; Kosiorowska, MA; Jozwiak, A. (2010). Enthalpy of Solvation of Monoglyme, Diglyme, Triglyme, Tetraglyme, and Pentaglyme in Mixtures of Water with N,N-Dimethylformamide at 298.15 K. *Journal of Chemical and Engineering Data*. 55: 5941-5945. <http://dx.doi.org/10.1016/je100659q>.
- Ju, S, eoHee; Kang, Y, unC. (2010). Effects of types of drying control chemical additives on the morphologies and electrochemical properties of Li₄Ti₅O₁₂ anode powders prepared by spray pyrolysis. *J Alloy Comp*. 506: 913-916. <http://dx.doi.org/10.1016/j.jallcom.2010.07.114>.
- Ju, YH; Khaleel, AW; Fazary, AE. (2010). Guanidinium Protonation Equilibria of L-Canavanine in Different Ionic Media. *Journal of Chemical and Engineering Data*. 55: 3772-3778. <http://dx.doi.org/10.1021/je100292g>.
- Jumean, FH; Abdulrahim, Z. (1992). THERMODYNAMICS OF THE IONIZATION OF BORIC-ACID IN METHANOL-WATER AND 1,4-DIOXANE-WATER. *Ann Chim*. 82: 549-556.
- Jung, W, ooH; Lee, K, iTae; Lee, DH, an; Han, SC; Kim, Y; Lee, JO, o. (2009). Effects of Solvent, Film Thickness, and Hydrogen Bonding on Surface-Relief Gratings. *Polymer Engineering and Science*. 49: 922-929. <http://dx.doi.org/10.1002/pen.21222>.
- Jurvilliers, X; Schneider, R; Fort, Y; Walcarius, A; Ghanbaja, J. (2005). Novel single-phase and gram-scale synthesis of thiol-uncapped stable colloidal gold nanoparticles. *J Nanosci Nanotechnol*. 5: 282-287. <http://dx.doi.org/10.1166/jnn.2005.032>.
- Kabay, N. (1994). PREPARATION OF AMIDOXIME-FIBER ADSORBENTS BASED ON POLY(METHACRYLONITRILE) FOR RECOVERY OF URANIUM FROM SEAWATER. *Separation Science and Technology*. 29: 375-384.
- Kabir-ud-Din; Koya, PA. (2010). Micellar Properties and Related Thermodynamic Parameters of the 14-6-14, 2Br(-) Gemini Surfactant in Water plus Organic Solvent Mixed Media. *Journal of Chemical and Engineering Data*. 55: 1921-1929. <http://dx.doi.org/10.1021/je900894x>.
- Kacik, F; Kacikova, D; Giertlova, Z; Geffert, A. (1999). Changes of maple wood lignin (*Acer pseudoplatanus* L.) due to hydrothermal treatment. 44: 31-40.
- Kacik, F; Luptakova, J; Smira, P; Nasswetrova, A; Kacikova, D; Vacek, V. (2016). Chemical Alterations of Pine Wood Lignin during Heat Sterilization. *BioResources*. 11: 3442-3452.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Kacik, F; Sindler, J; Kacikova, D. (1998). Chemical characteristics of lignin isolated from black locust wood after its hydrothermal treatment. *Cellulose Chemistry and Technology*. 32: 261-267.
- Kacik, F; Melcer, I; Melcerova, A. (1992). CHARACTERISTIC OF HYDROTHERMAL AND THERMAL-TREATMENT OF BEECHWOOD - HYDROTHERMICALLY PRETREATED BEECH WOOD LIGNIN. *Holz als Roh- und Werkstoff*. 50: 79-84.
- Kadaba, PK. (1994). TRIAZOLINES .29. 1,5-DIARYL-DELTA(2)-1,2,3-TRIAZOLINES AS APHICIDES - MECHANISM OF ACTION VIA AZIRIDINE FORMATION. *Pestic Sci*. 42: 299-304.
- Kalali, HE; Demiriz, AM; Budde, J; Kohler, F; Dallos, A; Ratkovics, F. (1990). EXCESS GIBBS ENERGIES AND EXCESS VOLUMES OF THE MIXTURES ETHANOIC ACID + 1,4-DIOXANE AND OXOLANE. *Fluid Phase Equilibria*. 54: 111-120.
- Kaleeswaran, D; Vishnoi, P; Murugavel, R. (2015). [3+3] Imine and beta-ketoenamine tethered fluorescent covalent-organic frameworks for CO₂ uptake and nitroaromatic sensing. 3: 7159-7171. <http://dx.doi.org/10.1039/c5tc00670h>.
- Kamal, M; Srivastava, AK. (2001). Styrene-co-acrylonitrile and poly(arsenicacrylate) based interpenetrating polymer network: synthesis and characterization. *React Funct Polym*. 49: 55-65. [http://dx.doi.org/10.1016/s1381-5148\(01\)00022-0](http://dx.doi.org/10.1016/s1381-5148(01)00022-0).
- Kameshima, Y; Tamura, Y; Nakajima, A; Okada, K. (2009). Preparation and properties of TiO₂/montmorillonite composites. *Appl Clay Sci*. 45: 20-23. <http://dx.doi.org/10.1016/j.clay.2009.03.005>.
- Kammel, R; Tarabova, D; Machalicky, O; Nepras, M; Frumarova, B; Hanusek, J. (2016). Synthesis, characterization and spectral properties of new, highly fluorescent, 4-hydroxythiazoles. *Dyes and Pigments*. 128: 101-110. <http://dx.doi.org/10.1016/j.dyepig.2016.01.017>.
- Kamran-Pirzaman, A; Mohammadi, AH; Pahlavanzadeh, H. (2015). Thermodynamic Model for Prediction of Phase Equilibria of Clathrate Hydrates in the Presence of Water-Insoluble Organic Compounds. *Chemical Engineering Communications*. 202: 806-814. <http://dx.doi.org/10.1080/00986445.2013.878876>.
- Kanade, BV; Vakharia, MN; Pandya, MV; Patel, BM; Patel, AT; Oswal, SL. (1992). SURFACE TENSIONS OF BINARY-LIQUID MIXTURES AND THEIR CORRELATION WITH PRIGOGINE-FLORY-PATTERSON THEORY. 30: 308-312.
- Kani, I. (1995). THE COMPLEXATION OF CD(II) WITH SODIUM DIETHYLDITHIOCARBAMATE. *Turkish Journal of Chemistry*. 19: 224-230.
- Kanjolia, R; Jones, AC; Ashraf, S; Bacsa, J; Black, K; Chalker, PR; Beahan, P; Hindley, S; Oedra, R; Williams, PA; Heys, PN. (2011). Dimethylzinc adduct chemistry revisited: MOCVD of vertically aligned ZnO nanowires using the dimethylzinc 1,4-dioxane adduct. *J Cryst Growth*. 315: 292-296. <http://dx.doi.org/10.1016/j.jcrysgro.2010.09.016>.
- Kano, H; Goto, K; Suzuki, M; Yamazaki, K; Nishizawa, T; Arito, H; Yamamoto, S; Matsushima, T. (2002). An exposure system for combined administration of an organic solvent to rodents by inhalation and water-drinking and its operational performance. *J Occup Health*. 44: 119-124. <http://dx.doi.org/10.1539/joh.44.119>.
- Kapadi, UR; Chavan, SK. (1994). VISCOSITIES AND PARTIAL MOLAR VOLUMES OF [(CH₃)₄N]²⁺CENTER-DOT-HGCL₄ IN DIOXANE-WATER MIXTURES. *Indian J Chem Tech*. 1: 314-316.
- Karbe, E; Kerlin, RL. (2002). Cystic degeneration/spongiosis hepatitis in rats. *Toxicol Pathol*. 30: 216-227. <http://dx.doi.org/10.1080/019262302753559551>.
- Karboune, S; Archelas, A; Baratti, JC. (2010). Free and immobilized *Aspergillus niger* epoxide hydrolase-catalyzed hydrolytic kinetic resolution of racemic p-chlorostyrene oxide in a neat organic solvent medium. *Process Biochemistry*. 45: 210-216. <http://dx.doi.org/10.1016/j.procbio.2009.09.009>.
- Karczewski, S; Piasecki, A; Maliszewska, I. (2008). Synthesis and surface properties of dicephalic surfactants with a 1,3-dioxane ring. *Journal of Surfactants and Detergents*. 11: 201-205. <http://dx.doi.org/10.1007/s11743-008-1073-7>.
- Karimova, K; Akhmedov, K; Qazi, I; Khan, TA. (2007). Poly-N-epoxypropylcarbazole complexes photocapacitive detectors. *J Optoelect Adv Mater*. 9: 2867-2872.
- Karpenko, IA; Niko, Y; Yakubovskiy, VP; Gerasov, AO; Bonnet, D; Kovtun, YP; Klymchenko, AS. (2016). Push-pull dioxaborine as fluorescent molecular rotor: far-red fluorogenic probe for ligand-receptor interactions. 4: 3002-3009. <http://dx.doi.org/10.1039/c5tc03411f>.
- Karra, JR; Huang, Y, ouGui; Walton, KS. (2013). Synthesis, Characterization, and Adsorption Studies of Nickel(II), Zinc(II), and Magnesium(II) Coordination Frameworks of BTTB. *Cryst Growth Des*. 13: 1075-1081. <http://dx.doi.org/10.1021/cg3013393>.
- Karunakaran, C; Karuthapandian, S. (2006). Solar photooxidation of diphenylamine. *Solar Energy Materials and Solar Cells*. 90: 1928-1935. <http://dx.doi.org/10.1016/j.solmat.2005.12.003>.
- Karymov, MA; Prochazka, K; Mendenhall, JM; Martin, TJ; Munk, P; Webber, SE. (1996). Chemical attachment of polystyrene-block-poly(methacrylic acid) micelles on a silicon nitride surface. *Langmuir*. 12: 4748-4753.
- Kasai, T. (2008). 1,4-Dioxane toxicity studies [Personal Communication].
- Kasem, KK. (1994). SOLVENT EFFECTS ON THE REDOX BEHAVIOR OF SILICOTUNGSTATE IN MIXTURES OF SOME OXOANIONS AND THEIR POTENTIAL ANALYTICAL APPLICATIONS. *Ann Chim*. 84: 365-377.
- Kasoju, N; Kubies, D; Sedlačik, T; Janoušková, O; Koubková, J; Kumorek, MM; Rypáček, F. (2016). Polymer scaffolds with no skin-effect for tissue engineering applications fabricated by thermally induced phase separation. 11: 015002. <http://dx.doi.org/10.1088/1748-6041/11/1/015002>.
- Kasper, P; Uno, Y; Mauthe, R; Asano, N; Douglas, G; Matthews, E; Moore, M; Mueller, L; Nakajima, M; Singer, T; Speit, G. (2007). Follow-up testing of rodent carcinogens not positive in the standard genotoxicity testing battery: IWGT workgroup report [Review]. *Mutat Res*. 627: 106-116. <http://dx.doi.org/10.1016/j.mrgentox.2006.10.007>.
- Kastelankunst, L; Dananic, V; Kunst, B; Kosutic, K. (1996). Preparation and porosity of cellulose triacetate reverse osmosis membranes. *J Memb Sci*. 109: 223-230.
- Kastelankunst, L; Sambrailo, D; Kunst, B. (1991). ON THE SKINNED CELLULOSE TRIACETATE MEMBRANES FORMATION. *Desalination*. 83: 331-342.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Katagiri, T; Nagano, K; Aiso, S; Senoh, H; Sakura, Y; Takeuchi, T; Okudaira, M. (1998). A pathological study on spontaneous hepatic neoplasms in BDF1 mice. *J Toxicol Pathol.* 11: 21-25. <http://dx.doi.org/10.1293/tox.11.21>.
- Katayama, H; Ichikawa, MA. (1995). LIQUID-LIQUID EQUILIBRIA OF 3 TERNARY-SYSTEMS - METHANOL-HEPTANE INCLUDING 1,3-DIOXOLANE, 1,4-DIOXANE AND TETRAHYDROPYRAN IN THE RANGE OF 253.15 TO 303.15K. *J Chem Eng Jpn.* 28: 412-418.
- Katayama, H; Satoh, T. (2015). Liquid-Liquid Equilibria of Three Ternary Systems: {Glycerol plus Benzene plus Methanol}, {Glycerol plus Benzene plus Ethanol}, and {Glycerol plus Benzene+1-Propanol}. *Journal of Chemical and Engineering Data.* 60: 828-835. <http://dx.doi.org/10.1021/je500939v>.
- Katayama, H; Satoh, T. (2015). Liquid-Liquid Equilibria of Three Ternary Systems: Glycerol plus Acetone plus Water, Glycerol+1, 4-Dioxane + Water, and Glycerol plus Acetonitrile plus Water. 22: 1-15.
- Kato, M; Konishi, H; Hirata, M. (1970). APPARATUS FOR MEASUREMENT OF ISOBARIC DEW AND BUBBLE POINTS AND VAPOR-LIQUID EQUILIBRIA - METHANOL-WATER AND WATER-DIOXANE SYSTEMS. *Journal of Chemical and Engineering Data.* 15: 501-&.
- Kavvadias, D; Beuerle, T; Wein, M; Boss, B; Konig, T; Schwab, W. (1999). Novel 1,3-dioxanes from apple juice and cider. *J Agric Food Chem.* 47: 5178-5183.
- Kawai, A; Ikeda, T; Kiyozumi, Y; Chiku, H; Mizukami, F. (2006). Effect of alkali cations on the synthesis of novel layered silicates in the system SiO₂-tetramethylammonium hydroxide-1,4-dioxane. *Mater Chem Phys.* 99: 470-473. <http://dx.doi.org/10.1016/j.matchemphys.2005.11.026>.
- Kawai, A; Urabe, Y; Itoh, T; Mizukami, F. (2010). Immobilization of lysozyme on the layered silicate RUB-15. *Mater Chem Phys.* 122: 269-272. <http://dx.doi.org/10.1016/j.matchemphys.2010.02.047>.
- Kawai, S; Ohashi, H; Hirai, T; Okuyama, H; Higuchi, T. (1993). DEGRADATION OF SYRINGYL LIGNIN MODEL POLYMER BY LACCASE OF CORIOLUS-VERSICOLOR. 39: 98-102.
- KAWAIZUMI, F; Miyahara, Y. (1970). HYDRATION OF COMPLEXES .4. HYDRATION OF COMPLEXES IN WATER-DIOXANE SYSTEMS. 91: 333-&.
- Kawamura, T; Takeya, S; Ohtake, M; Yamamoto, Y. (2011). Enclathration of hydrogen by organic-compound clathrate hydrates. *Chem Eng Sci.* 66: 2417-2420. <http://dx.doi.org/10.1016/j.ces.2011.03.002>.
- Kawata, K; Ibaraki, T; Tanabe, A; Yasuhara, A. (2003). Distribution of 1,4-dioxane and N, N-dimethylformamide in river water from Niigata, Japan. *Bull Environ Contam Toxicol.* 70: 876-882. <http://dx.doi.org/10.1007/s00128-003-0064-7>.
- Kawata, K; Tanabe, A. (2009). Distribution and variation of 1,4-dioxane in water from rivers in Niigata including the Shinano River. *Bull Environ Contam Toxicol.* 82: 673-677. <http://dx.doi.org/10.1007/s00128-009-9697-5>.
- Kebede, Z; Lindquist, SE. (1999). Donor-acceptor interaction between non-aqueous solvents and I-2 to generate I-3(-), and its implication in dye sensitized solar cells. *Solar Energy Materials and Solar Cells.* 57: 259-275.
- Kegel, FS; Rietman, BM; Verliefe, AR. (2010). Reverse osmosis followed by activated carbon filtration for efficient removal of organic micropollutants from river bank filtrate. *Water Sci Technol.* 61: 2603-2610. <http://dx.doi.org/10.2166/wst.2010.166>.
- Kelley, SL; Aitchison, EW; Deshpande, M; Schnoor, JL; Alvarez, PJJ. (2001). Biodegradation of 1,4-dioxane in planted and unplanted soil: Effect of bioaugmentation with *Amycolata* sp CB1190. *Water Res.* 35: 3791-3800. [http://dx.doi.org/10.1016/S0043-1354\(01\)00129-4](http://dx.doi.org/10.1016/S0043-1354(01)00129-4).
- Khalil, MM; El-Deeb, MM; Mahmoud, RK. (2007). Equilibrium studies of binary systems involving lanthanide and actinide metal ions and some selected aliphatic and aromatic monohydroxamic acids. *Journal of Chemical and Engineering Data.* 52: 1571-1579. <http://dx.doi.org/10.1021/je600541a>.
- Khalil, MM; Radalla, AM; Mohamed, AG. (2009). Potentiometric Investigation on Complexation of Divalent Transition Metal Ions with Some Zwitterionic Buffers and Triazoles. *Journal of Chemical and Engineering Data.* 54: 3261-3272. <http://dx.doi.org/10.1021/je9002459>.
- Khalyfa, A; Kermasha, S; Alli, I. (1992). EXTRACTION, PURIFICATION, AND CHARACTERIZATION OF CHLOROPHYLLS FROM SPINACH LEAVES. *J Agric Food Chem.* 40: 215-220.
- Khan, E; Wirojanagud, W; Sermasai, N. (2009). Effects of iron type in Fenton reaction on mineralization and biodegradability enhancement of hazardous organic compounds. *J Hazard Mater.* 161: 1024-1034. <http://dx.doi.org/10.1016/j.jhazmat.2008.04.049>.
- Khan, MN; Al Dwayyan, AS; Al Hoshan, M. (2013). Morphology and optical properties of a porous silicon-doped sol-gel host. *Electronic Materials Letters.* 9: 697-703. <http://dx.doi.org/10.1007/s13391-013-2241-0>.
- Khan, UA; Afsar, MN. (2007). Measurement of broadband dielectric properties of cyclohexane, chlorobenzene, 10% formalin, and 1,4-dioxane using dispersive Fourier transform spectroscopy. *I E E E Transactions on Instrumentation and Measurement.* 56: 2354-2359. <http://dx.doi.org/10.1109/TIM.2007.908325>.
- Kher, SS; Wells, RL. (1994). A STRAIGHTFORWARD, NEW METHOD FOR THE SYNTHESIS OF NANOCRYSTALLINE GAAS AND GAP. *Chem Mater.* 6: 2056-2062.
- Kilbinger, AFM; Feast, WJ. (2000). Solution processable alternating oligothiophene-PEO-block-co-polymers: synthesis and evidence for solvent dependent aggregation. *J Mater Chem.* 10: 1777-1784.
- Kim, B; Lee, J. (2013). Directional crystallization of dioxane in the presence of PVDF producing porous membranes. *J Cryst Growth.* 373: 45-49. <http://dx.doi.org/10.1016/j.jcrysgro.2012.09.005>.
- Kim, BS; Lee, J. (2013). Pore size reduction in directional crystallization processing of porous polymeric membranes. *J Nanosci Nanotechnol.* 13: 2276-2283. <http://dx.doi.org/10.1166/jnn.2013.7096>.
- Kim, CG; Seo, HJ; Lee, BR. (2006). Decomposition of 1,4-dioxane by advanced oxidation and biochemical process. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 41: 599-611. <http://dx.doi.org/10.1080/10934520600574807>.
- Kim, D, oY; Park, Y; Lee, H. (2007). Tuning clathrate hydrates: Application to hydrogen storage. *Catalysis Today.* 120: 257-261. <http://dx.doi.org/10.1016/j.cattod.2006.09.001>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Kim, HD; Bae, EH; Kwon, IC; Pal, RR; Nam, JD; Lee, DS. (2004). Effect of PEG-PLLA diblock copolymer on macroporous PLLA scaffolds by thermally induced phase separation. *Biomaterials*. 25: 2319-2329. <http://dx.doi.org/10.1016/j.biomaterials.2003.09.011>.
- Kim, HS; Kwon, BH; Yoa, SJ, un; Kim, I, IKyu. (2008). Degradation of 1,4-Dioxane by Photo-Fenton Processes. *J Chem Eng Jpn*. 41: 829-835.
- Kim, I, nC; Jin, YS; Song, D; Ahn, S, uH; Park, Y; Kim, B; Jegal, J; Seo, B; Kim, J; Kwon, Y; Mo, C; Lee, J; Kim, DS; Lim, S. (2013). Preparation of ultrafiltration membrane by newly synthesized AMC polymer. *Desalination and Water Treatment*. 51: 5196-5203. <http://dx.doi.org/10.1080/19443994.2013.768425>.
- Kim, J; Haam, S; Park, DW; Ahn, IS; Lee, TG; Kim, HS; Kim, WS. (2004). Biocatalytic esterification of beta-methylglucoside for synthesis of biocompatible sugar-containing vinyl esters. *Chem Eng J*. 99: 15-22. <http://dx.doi.org/10.1016/j.cej.2003.09.001>.
- Kim, J, inW; Taki, K; Nagamine, S; Ohshima, M. (2008). Preparation of poly(L-lactic acid) honeycomb monolith structure by unidirectional freezing and freeze-drying. *Chem Eng Sci*. 63: 3858-3863. <http://dx.doi.org/10.1016/j.ces.2008.04.036>.
- Kim, JJ, u; Bang, S, oHee; El-Fiqi, A; Kim, H, aeWon. (2014). Fabrication of nanofibrous macroporous scaffolds of poly(lactic acid) incorporating bioactive glass nanoparticles by camphene-assisted phase separation. *Mater Chem Phys*. 143: 1092-1101. <http://dx.doi.org/10.1016/j.matchemphys.2013.11.009>.
- Kim, JW; Taki, K; Nagamine, S; Ohshima, M. (2009). Preparation of porous poly(L-lactic acid) honeycomb monolith structure by phase separation and unidirectional freezing. *Langmuir*. 25: 5304-5312. <http://dx.doi.org/10.1021/la804057e>.
- Kim, KW; Lee, BH; Kim, S; Kim, HJ; Yun, JH; Yoo, SE; Sohn, JR. (2011). Reduction of VOC emission from natural flours filled biodegradable biocomposites for automobile interior. *J Hazard Mater*. 187: 37-43. <http://dx.doi.org/10.1016/j.jhazmat.2010.07.075>.
- Kim, M, inSoo; Chang, J, iY. (2011). Preparation of multifunctional mesoporous silica particles: the use of an amphiphilic silica precursor with latent amine functionality in selective functionalization of the inner surface. *J Mater Chem*. 21: 8766-8771. <http://dx.doi.org/10.1039/c1jm10440c>.
- Kim, MY; Lee, YW; Byun, HS; Lim, JS. (2006). Recrystallization of poly(L-lactic acid) into submicrometer particles in supercritical carbon dioxide. *Ind Eng Chem Res*. 45: 3388-3392. <http://dx.doi.org/10.1021/ie050711b>.
- Kim, NH; Won, YS; Choi, JS. (1998). Partial molar heat of mixing at infinite dilution in solvent/polymer (PEG, PMMA, P(ET-VA)) solutions. *Fluid Phase Equilibria*. 146: 223-246.
- Kim, S; Baek, I, IH; You, JK; Seo, Y. (2015). Guest gas enclathration in tetra-n-butyl ammonium chloride (TBAC) semiclathrates: Potential application to natural gas storage and CO₂ capture. *Appl Energ*. 140: 107-112. <http://dx.doi.org/10.1016/j.apenergy.2014.11.076>.
- Kim, SI, I; Kim, CU, ng; Park, S, oJin. (2006). Solubility of organic systems containing 1,4-dioxan-2-one. *Journal of Chemical and Engineering Data*. 51: 1182-1184. <http://dx.doi.org/10.1021/je050406x>.
- Kim, W; Chang, J, iY. (2011). Molecularly imprinted polyimide nanofibers prepared by electrospinning. *Mater Lett*. 65: 1388-1391. <http://dx.doi.org/10.1016/j.matlet.2011.02.010>.
- Kim, Y; Park, K, eeY; Jang, DM; Song, Y, unMi; Kim, H, anS; Cho, YJ, ae; Myung, Y; Park, J. (2010). Synthesis of Au-Cu₂S Core-Shell Nanocrystals and Their Photocatalytic and Electrocatalytic Activity. *J Phys Chem C*. 114: 22141-22146. <http://dx.doi.org/10.1021/jp109127m>.
- Kim, YS; Meshitsuka, G; Ishizu, A. (1994). STRUCTURAL HETEROGENEITY OF LIGNIN - CONTRIBUTION OF CARBON-CARBON BONDS. 40: 407-413.
- Kinart, CM; Kinart, WJ; Cwiklinska, A. (2002). Densities and relative permittivities for 2-methoxyethanol plus dioxane from (291.15 to 313.15) K. *Journal of Chemical and Engineering Data*. 47: 23-25. <http://dx.doi.org/10.1021/je010046n>.
- Kiran; Rana, DS; Balokhra, RL; Umar, A; Chauhan, S. (2012). A thermodynamic study of 1,4-dioxane across cellulose acetate membrane under different conditions. *Fluid Phase Equilibria*. 322: 148-158. <http://dx.doi.org/10.1016/j.fluid.2012.03.013>.
- Kiraz, A; Sinag, A; Tekes, AT; Misirlioglu, Z; Canel, M. (2004). Effect of pre-swelling on extractability and solvent swelling of Ermenek lignite (Turkey). *Energy Sources*. 26: 431-439. <http://dx.doi.org/10.1080/00908310490429678>.
- Kishimoto, N; Kitamura, T; Kato, M; Otsu, H. (2013). Reusability of iron sludge as an iron source for the electrochemical Fenton-type process using Fe²⁺/HOCl system. *Water Res*. 47: 1919-1927. <http://dx.doi.org/10.1016/j.watres.2013.01.021>.
- Kishimoto, N; Kitamura, T; Nakamura, Y. (2015). Applicability of an electrochemical Fenton-type process to actual wastewater treatment. *Water Sci Technol*. 72: 850-857. <http://dx.doi.org/10.2166/wst.2015.279>.
- Kishimoto, N; Nakagawa, T; Asano, M; Abe, M; Yamada, M; Ono, Y. (2008). Ozonation combined with electrolysis of 1,4-dioxane using a two-compartment electrolytic flow cell with solid electrolyte. *Water Res*. 42: 379-385. <http://dx.doi.org/10.1016/j.watres.2007.07.029>.
- Kishimoto, N; Nakagawa, T; Okada, H; Mizutani, H. (2011). Effect of Separation of Ozonation and Electrolysis on Effective Use of Ozone in Ozone-Electrolysis Process. *Ozone: Science and Engineering*. 33: 463-469. <http://dx.doi.org/10.1080/01919512.2011.615282>.
- Kishimoto, N; Nakamura, E, ri. (2011). Effects of Ozone-Gas Bubble Size and pH on Ozone/UV Treatment. *Ozone: Science and Engineering*. 33: 396-402. <http://dx.doi.org/10.1080/01919512.2011.603657>.
- Kishimoto, N; Nakamura, Y, u; Kato, M; Otsu, H. (2015). Effect of oxidation-reduction potential on an electrochemical Fenton-type process. *Chem Eng J*. 260: 590-595. <http://dx.doi.org/10.1016/j.cej.2014.09.056>.
- Kishimoto, N; Nishimura, H. (2015). Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. *Environ Technol*. 36: 2436-2442. <http://dx.doi.org/10.1080/09593330.2015.1034187>.
- Kishimoto, N; Sugimura, E. (2010). Feasibility of an electrochemically assisted Fenton method using Fe(2+)/HOCl system as an advanced oxidation process. *Water Sci Technol*. 62: 2321-2329. <http://dx.doi.org/10.2166/wst.2010.203>.
- Kishimoto, N; Yasuda, Y; Mizutani, H; Ono, Y. (2007). Applicability of ozonation combined with electrolysis to 1,4-dioxane removal from wastewater containing radical scavengers. *Ozone: Science and Engineering*. 29: 13-22. <http://dx.doi.org/10.1080/01919510601096718>.
- Kitaev, V; Kumacheva, E. (1998). Self-assembly of polypeptide molecules on charged surfaces. 1. Effect of polydispersity. *Langmuir*. 14: 5568-5572.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Klecka, GM; Gonsior, SJ. (1986). REMOVAL OF 1,4-DIOXANE FROM WASTE-WATER. *J Hazard Mater.* 13: 161-168.
- Klein, AP; Beach, ES; Emerson, JW; Zimmerman, JB. (2010). Accelerated solvent extraction of lignin from *Aleurites moluccana* (Candlenut) nutshells. *J Agric Food Chem.* 58: 10045-10048. <http://dx.doi.org/10.1021/jf1019856>.
- Klepacova, K; Mravec, D; Kaszonyi, A; Bajus, M. (2007). Etherification of glycerol and ethylene glycol by isobutylene. *Appl Catal A-Gen.* 328: 1-13. <http://dx.doi.org/10.1016/j.apcata.2007.03.031>.
- Klohr, E; Zugenmaier, P. (1994). POLYMER-SOLVENT EFFECTS IN CELLULOSE URETHANE AND METHYL CELLULOSE URETHANE SOLUTIONS. *Cellulose.* 1: 259-280.
- Knapas, K; Hatanpaa, T; Ritala, M; Leskela, M. (2010). In Situ Reaction Mechanism Studies on Atomic Layer Deposition of Sb₂Te₃ and GeTe from (Et₃Si)₂Te and Chlorides. *Chem Mater.* 22: 1386-1391. <http://dx.doi.org/10.1021/cm902180d>.
- Ko, W, eiYi; Chen, L, iJen; Lin, ST, ai; Chen, Y, anP. (2011). Measurements for the Dissociation Conditions of Methane Hydrate in the Presence of 1,3,5-Trioxane and Oxolan-2-ylmethanol. *Journal of Chemical and Engineering Data.* 56: 3406-3410. <http://dx.doi.org/10.1021/jc200396x>.
- Koca, M; Kurt, A; Kirilmis, C; Aydogdu, Y. (2012). Synthesis, characterization, and thermal degradation of novel poly(2-(5-bromo benzofuran-2-yl)-2-oxoethyl methacrylate). *Polymer Engineering and Science.* 52: 323-330. <http://dx.doi.org/10.1002/pen.22085>.
- Kohmoto, S; Chuko, T; Hisamatsu, S; Okuda, Y; Masu, H; Takahashi, M; Kishikawa, K. (2015). Piezoluminescence and Liquid Crystallinity of 4,4'-(9,10-Anthracenediyl)bispypyridinium Salts. *Cryst Growth Des.* 15: 2723-2731. <http://dx.doi.org/10.1021/acs.cgd.5b00028>.
- Koissi, N; Shah, NH; Ginevan, B; Eck, WS; Roebuck, BD; Fishbein, JC. (2012). Lactone metabolite common to the carcinogens dioxane, diethylene glycol, and N-nitrosomorpholine: aqueous chemistry and failure to mediate liver carcinogenesis in the F344 rat. *Chem Res Toxicol.* 25: 1022-1028. <http://dx.doi.org/10.1021/tx3000076>.
- Komatsu, H; Yamamoto, H. (1996). Vapor-liquid equilibrium data for two ternary systems of ethanol-water-dioxane and ethyl acetate-water-dioxane at atmospheric pressure. *Kagaku Kogaku Ronbunshu.* 22: 378-384.
- Kondo, T; Ohshita, T; Kyuma, T. (1992). COMPARISON OF CHARACTERISTICS OF SOLUBLE LIGNINS FROM UNTREATED AND AMMONIA-TREATED WHEAT STRAW. *Anim Feed Sci Technol.* 39: 253-263.
- Kondo, T; Ohshita, T; Kyuma, T. (1993). CHARACTERISTICS OF DIOXANE-SOLUBLE LIGNINS FROM CORN AND SORGHUM SILAGES AND FECES OF SHEEP FED ON THEM. *Canadian Journal of Animal Science.* 73: 661-664.
- Kondo, T; Ohshita, T; Kyuma, T. (1993). ISOLATION AND CHARACTERIZATION OF DIOXANE-SOLUBLE LIGNINS FROM FECES OF SHEEP FED ON ORCHARDGRASS HAY AND SILAGE. *Anim Feed Sci Technol.* 41: 213-221.
- Kondo, T; Ohshita, T; Kyuma, T. (1994). COMPARISON OF PHENOLIC-ACIDS IN LIGNIN FRACTIONS FROM FORAGE GRASSES BEFORE AND AFTER DIGESTION BY SHEEP. *Anim Feed Sci Technol.* 47: 277-285.
- Kondo, T; Ohshita, T; Kyuma, T. (1994). RELEASE OF SOLUBLE LIGNIN FRAGMENTS FROM ORCHARDGRASS DURING ITS PASSAGE THROUGH THE RUMEN. *J Sci Food Agric.* 65: 429-431.
- Kondo, T; Ohshita, T; Kyuma, T. (1997). Structural changes of forage grass lignin by rumen digestion: Characteristics of soluble lignin released from timothy (*Phleum pratense* L) by in vitro rumen digestion. *JARQ.* 31: 49-53.
- Kondo, T; Ohshita, T; Kyuma, T; Touno, E; Murai, M. (1999). Characterization of soluble lignin released from alfalfa by sheep digestion. *Anim Feed Sci Technol.* 80: 321-328.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1995). COMPARATIVE CHARACTERIZATION OF DIOXANE-SOLUBLE LIGNINS RELEASED BY BALL-MILLING AND BY SHEEP DIGESTION FROM FORAGE GRASSES. *J Sci Food Agric.* 68: 383-388.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1998). Physico-chemical characteristics of soluble lignin fractions released from forage grasses by ruminant digestion. *JARQ.* 32: 187-195.
- Kong, XX; Tang, BZ. (1998). Synthesis and novel mesomorphic properties of the side-chain liquid crystalline polyacetylenes containing phenyl benzoate mesogens with cyano and methoxy tails. *Chem Mater.* 10: 3352-3363.
- Kooli, F. (2002). Recrystallization of a new layered silicate from Na-kanemite-tetramethylammonium hydroxide-water-1,4-dioxane mixture. *J Mater Chem.* 12: 1374-1380. <http://dx.doi.org/10.1039/b107252h>.
- Kooli, F; Kiyozumi, Y; Mizukami, F. (2003). Effect of alkali cations on the conversion of H-magadiite in tetramethylammonium hydroxide-water-1,4-dioxane system. *Mater Chem Phys.* 77: 134-140.
- Kooli, F; Mizukami, F; Kiyozumi, Y; Akiyama, Y. (2001). Hydrothermal conversion of Na-magadiite to a new silicate layered structure in a TMAOH-water-1,4-dioxane system. *J Mater Chem.* 11: 1946-1950.
- Kopylev, L; Fox, J; Chen, C. (2009). Combining risks from several tumors using Markov Chain Monte Carlo. In RM Cooke (Ed.), (1 ed., pp. 197-205). Hoboken, NJ: John Wiley & Sons.
- Koriakin, A; Van Nguyen, H, ai; Kim, D, ooW; Lee, CH, a. (2014). Direct thermochemical liquefaction of microcrystalline cellulose by sub- and supercritical organic solvents. *Journal of Supercritical Fluids.* 95: 175-186. <http://dx.doi.org/10.1016/j.supflu.2014.08.017>.
- Korlyukov, AA; Vologzhanina, AV; Buzin, MI; Sergienko, NV; Zavin, BG; Muzafarov, AM. (2016). Cu(II)-Silsesquioxanes as Secondary Building Units for Construction of Coordination Polymers: A Case Study of Cesium-Containing Compounds. *Cryst Growth Des.* 16: 1968-1977. <http://dx.doi.org/10.1021/acs.cgd.5b01554>.
- Korovchenko, P; Donze, C; Gallezot, P; Besson, M. (2007). Oxidation of primary alcohols with air on carbon-supported platinum catalysts for the synthesis of aldehydes or acids. *Catalysis Today.* 121: 13-21. <http://dx.doi.org/10.1016/j.cattod.2006.11.007>.
- Kosaka, K; Yamada, H; Matsui, S; Shishida, K. (2000). The effects of the co-existing compounds on the decomposition of micropollutants using the ozone/hydrogen peroxide process. *Water Sci Technol.* 42: 353-361.
- Kosikova, B. (1999). Structural changes of lignin during steaming of beechwood pretreated with Na₂S₂O₄. 44: 19-27.
- Kosikova, B. (2009). MORPHOLOGICAL AND CHEMICAL CHARACTERISTICS OF STEM AND KNOT POPLAR WOOD. 54: 117-122.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Kosikova, B; Bucko, J. (1996). Behaviour of lignin-polysaccharide complex of beechwood upon vacuum drying process. 41: 31-40.
- Kosikova, B; Ebringerova, A. (1994). BEHAVIOR OF THE LIGNIN POLYSACCHARIDE COMPLEX OF PINE WOOD IN SODA-OXYGEN PULPING. *Appita*. 47: 327-329.
- Kosikova, B; Ebringerova, A. (1994). LIGNIN-CARBOHYDRATE BONDS IN A RESIDUAL SODA SPRUCE PULP LIGNIN. *Wood Science and Technology*. 28: 291-296.
- Kosikova, B; Ebringerova, A. (1999). Structural characteristics of the lignin-carbohydrate complex of spruce soda pulp. *Cellulose Chemistry and Technology*. 33: 445-454.
- Kosikova, B; Ebringerova, A; Naran, R. (1999). Characterization of lignin-carbohydrate fractions isolated from the wood parasite *Cistanche deserticola* Y. C. Ma. *Holzforschung*. 53: 33-38.
- Kosikova, B; Sasinkova, V; Tolvaj, L; Papp, G; Szatmari, S; Nagy, T. (2001). Effect of UV-laser irradiation on structural changes of maplewood lignin-polysaccharide complex. 46: 11-18.
- Kosmulski, M; Matijevic, E. (1991). MICROELECTROPHORESIS OF SILICA IN MIXED-SOLVENTS OF LOW DIELECTRIC-CONSTANT. *Langmuir*. 7: 2066-2071.
- Kostoryz, EL; Tong, PY; Chappelow, CC; Glaros, AG; Eick, JD; Yourtee, DM. (2000). In vitro toxicity of spiroorthocarbonate monomers designed for non-shrinking dental restoratives. *J Biomater Sci Polym Ed*. 11: 187-196. <http://dx.doi.org/10.1163/156856200743643>.
- Kostoryz, EL; Wetmore, LA; Brockmann, WG; Yourtee, DM; Eick, JD. (2004). Genotoxicity assessment of oxirane-based dental monomers in mammalian cells. *J Biomed Mater Res A*. 68: 660-667. <http://dx.doi.org/10.1002/jbm.a.20077>.
- Kouissi, T; Bouanz, M. (2010). Density and refractive index measurements of critical mixture 1,4-dioxane + water plus saturated KCl in homogenous phase region. *Fluid Phase Equilibria*. 293: 79-86. <http://dx.doi.org/10.1016/j.fluid.2010.02.018>.
- Kouissi, T; Bouanz, M. (2010). Transport Properties in 1,4-Dioxane + Water plus Saturated KCl Critical Mixture by Measuring Viscosity and Electrical Conductivity. *Journal of Chemical and Engineering Data*. 55: 320-326. <http://dx.doi.org/10.1021/je900351t>.
- Kouissi, T; Bouanz, M; Ouerfelli, N. (2009). KCl-Induced Phase Separation of 1,4-Dioxane + Water Mixtures Studied by Electrical Conductivity and Refractive Index. *Journal of Chemical and Engineering Data*. 54: 566-573. <http://dx.doi.org/10.1021/je8005002>.
- Kouissi, T; Toumi, A; Bouanz, M. (2015). Density, Speed of Sound, and Refractive Index Measurements for the Binary Mixture (1, 4-Dioxane + Isobutyric Acid) at T = (295.15, 298.15, 301.15, 304.15, 307.15, 310.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 60: 1975-1985. <http://dx.doi.org/10.1021/je5010643>.
- Koutou, BB; Sharma, RK. (1996). Synthesis of a flame-retardant dope additive dithiopyrophosphate and its effect on viscose rayon fibres. *Indian Journal of Fibre & Textile Research*. 21: 140-142.
- Kramarz, KW; Klingler, RJ; Fremgen, DE; Rathke, JW. (1999). Toroid NMR probes for the in situ examination of homogeneous cobalt hydroformylation catalysts at high pressures and temperatures. *Catalysis Today*. 49: 339-352.
- Krewski, D; Withey, JR; Ku, LF; Andersen, ME. (1994). Applications of physiologic pharmacokinetic modeling in carcinogenic risk assessment [Review]. *Environ Health Perspect*. 102: 37-50.
- Kricsfalussy, Z. (1983). EXPERIMENTAL STUDIES ON THE REACTION-KINETICS OF THE CATALYTIC CLEAVAGE OF 4,4-DIMETHYL-1,3-DIOXANE TO GIVE ISOPRENE IN THE GAS-PHASE. *Chem Ing Tech*. 55: 965-967.
- Krishnaiah, A; Surendranath, KN. (1996). Densities, speeds of sound, and viscosities of mixtures of oxolane with chloroethanes and chloroethenes. *Journal of Chemical and Engineering Data*. 41: 1012-1014.
- Krishnaiah, A; Surendranath, KN; Viswanath, DS. (1994). EXCESS VOLUMES AND VISCOSITIES OF 1,4-DIOXANE PLUS CHLORINATED ETHANES OR PLUS CHLORINATED ETHENES AT 303.15-K. *Journal of Chemical and Engineering Data*. 39: 756-758.
- Krishnan, K; G, J. (2005). Physiologically-based pharmacokinetic and toxicokinetic models in cancer risk assessment [Review]. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 23: 31 - 53. <http://dx.doi.org/10.1081/GNC-200051856>.
- Kroeger, A; Li, X; Eisenberg, A. (2007). Dendrimer-influenced supramolecular structure formation of block copolymers. *Langmuir*. 23: 10732-10740. <http://dx.doi.org/10.1021/la701334r>.
- Kron, TE; Petrov, ES. (2003). Hydrocarbobotoxylation of heptene-1 catalyzed by a Pd(0) complex in the presence of methanesulfonic acid. *Petroleum Chemistry*. 43: 375-378.
- Kruihof, JC; Kamp, PC; Martijn, BJ. (2007). UV/H₂O₂ treatment: A practical solution for organic contaminant control and primary disinfection. *Ozone: Science and Engineering*. 29: 273-280. <http://dx.doi.org/10.1080/01919510701459311>.
- Krzymien, ME. (1993). SOLUBILITY OF 2,3-DIMETHYL-2,3-DINITROBUTANE. *Journal of Chemical and Engineering Data*. 38: 326-327.
- Kuila, SB; Ray, SK. (2012). Sorption and permeation studies of tetrahydrofuran-water mixtures using full interpenetrating network membranes. *Separation and Purification Technology*. 89: 39-50. <http://dx.doi.org/10.1016/j.seppur.2012.01.005>.
- Kukkar, D; Kaur, I; Singh, J; Bharadwaj, LM. (2015). Plasticizers Induced Formation of Microcapsules From Freeze Dried Polystyrene Microreactors. *Int J Polym Mater*. 64: 385-391. <http://dx.doi.org/10.1080/00914037.2014.958825>.
- Kumar, A; Prabhune, A; Suresh, CG; Pundle, A. (2008). Characterization of smallest active monomeric penicillin V acylase from new source: A yeast, *Rhodotorula aurantiaca* (NCIM 3425). *Process Biochemistry*. 43: 961-967. <http://dx.doi.org/10.1016/j.procbio.2008.04.024>.
- Kumar, MD; Kumar, PA; Rajendran, M. (2003). Salt effect on the enthalpy of mixing of 1,4-dioxane plus acetic acid at 303.15 K. *Journal of Chemical and Engineering Data*. 48: 1422-1424. <http://dx.doi.org/10.1021/je025654x>.
- Kumar, P; Kadam, MM; Gaikar, VG. (2012). Low Molecular Weight Organogels and Their Application in the Synthesis of CdS Nanoparticles. *Ind Eng Chem Res*. 51: 15374-15385. <http://dx.doi.org/10.1021/ie300947x>.
- Kumar, S; Sharma, VK; Moon, I, I. (2010). Speed of Sound and Excess Isentropic Compressibility of 1,3-Dioxolane or 1,4-Dioxane + Butan-1-ol or + Butan-2-ol Binary Mixtures at 308.15 K and Atmospheric Pressure. *Ind Eng Chem Res*. 49: 8365-8368. <http://dx.doi.org/10.1021/ie101286f>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Kuo, CY, in; Su, SL; Tsai, H, uiAn; Su, Y, uS; Wang, D, aM; Lai, JY, ih. (2008). Formation and evolution of a bicontinuous structure of PMMA membrane during wet immersion process. *J Memb Sci.* 315: 187-194. <http://dx.doi.org/10.1016/j.memsci.2008.02.034>.
- Kuo, P, eiYu; Barros, L, deA; Sain, M; Tjong, JSY; Yan, N. (2016). Effects of Reaction Parameters on the Glycidyl Etherification of Bark Extractives during Bioepoxy Resin Synthesis. 4: 1016-1024. <http://dx.doi.org/10.1021/acssuschemeng.5b01098>.
- Kuo, PC; Chen, L, iJen; Lin, ST, ai; Chen, Y, anP. (2010). Measurements for the Dissociation Conditions of Methane Hydrate in the Presence of 2-Methyl-2-propanol. *Journal of Chemical and Engineering Data.* 55: 5036-5039. <http://dx.doi.org/10.1021/je100620j>.
- Kuroda, K; Ozawa, T; Ueno, T. (2001). Characterization of sago palm (*Metroxylon sagu*) lignin by analytical pyrolysis. *J Agric Food Chem.* 49: 1840-1847. <http://dx.doi.org/10.1021/jf001126i>.
- Kuroda, K; Suzuki, A. (1995). ANALYSIS OF CINNAMIC-ACIDS IN RICE (*ORYZA-SATIVA*) BY SIMULTANEOUS PYROLYSIS METHYLATION GAS-CHROMATOGRAPHY. 41: 851-857.
- Kuroda, K; Yamaguchi, A; Sakai, K. (1994). ANALYSIS OF SUGI WOOD AND ITS LIGNIN PREPARATIONS BY PYROLYSIS-GAS CHROMATOGRAPHY. 40: 987-995.
- Kurzina, AV; Evdokimov, AN; Antipina, VB; Pavlova, OS; Gusev, VE. (2008). Vapor pressures for 1,4-dioxane plus tetrabutylammonium nitrate, water plus tetrabutylammonium nitrate, and 1,4-dioxane plus water plus tetrabutylammonium nitrate. *Journal of Chemical and Engineering Data.* 53: 207-210. <http://dx.doi.org/10.1021/je700512a>.
- Kurzina, AV; Evdokimov, AN; Poltoratskiy, GM; Platonov, AY; Gusev, VE; Golubeva, YM. (2004). Isothermal vapor-liquid equilibrium data for the systems 1,4-dioxane plus water plus tetrabutylammonium nitrate and acetonitrile plus water plus tetrabutylammonium bromide. *Journal of Chemical and Engineering Data.* 49: 208-211. <http://dx.doi.org/10.1021/je0301287>.
- Kushare, SK; Kolhapurkar, RR; Dagade, DH; Patil, KJ. (2006). Compressibility studies of binary solutions involving water as a solute in nonaqueous solvents at T = 298.15 K. *Journal of Chemical and Engineering Data.* 51: 1617-1623. <http://dx.doi.org/10.1021/je0601098>.
- Kuznetsov, BN; Kuznetsova, SA; Levdansky, VA; Levdansky, AV; Vasil'eva, NY, u; Chesnokov, NV; Ivanchenko, NM; Djakovitch, L; Pinel, C. (2015). Optimized methods for obtaining cellulose and cellulose sulfates from birch wood. *Wood Science and Technology.* 49: 825-843. <http://dx.doi.org/10.1007/s00226-015-0723-y>.
- Kwon, SC; Kim, J, ooY; Yoon, SM, in; Bae, W; Kang, KS; Rhee, YW, oo. (2012). Treatment characteristic of 1,4-dioxane by ozone-based advanced oxidation processes. *J Ind Eng Chem.* 18: 1951-1955. <http://dx.doi.org/10.1016/j.jiec.2012.05.010>.
- La Carrubba, V; Pavia, FC; Brucato, V; Piccarolo, S. (2008). PLLA/PLA scaffolds prepared via Thermally Induced Phase Separation (TIPS): tuning of properties and biodegradability. *International Journal of Material Forming.* 1: 619-622. <http://dx.doi.org/10.1007/s12289-008-0332-5>.
- La Carrubba, V; Pavia, FC; Brucato, V; Piccarolo, S; Ghersi, G. (2008). PLLA biodegradable scaffolds for angiogenesis via Diffusion Induced Phase Separation (DIPS). *International Journal of Material Forming.* 1: 623-626. <http://dx.doi.org/10.1007/s12289-008-0333-4>.
- Lahtinen, M; Haikarainen, A; Sipila, J. (2013). Convenient preparation of a beta-O-4-type lignin model trimer via KOH-catalyzed hydroxymethylation and a new protection method. *Holzforchung.* 67: 129-136. <http://dx.doi.org/10.1515/hf-2012-0016>.
- Lai, Q; Wang, YZ; Yang, KK; Wang, XL; Zeng, Q. (2005). Chain-extension and thermal behaviors of poly(p-dioxanone) with toluene-2,4-diisocyanate. *React Funct Polym.* 65: 309-315. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.07.003>.
- Lakouraj, MM; Noorian, M; Mokhtary, M. (2006). Amberlyst 15 supported nitrosonium ion as an efficient reagent for regeneration of carbonyl compounds from oximes, hydrazones and semicarbazones. *React Funct Polym.* 66: 910-915. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.12.002>.
- Lam, JWY; Dong, YP; Luo, JD; Cheuk, KKL; Xie, ZL; Tang, BZ. (2002). Synthesis and photoluminescence of liquid crystalline poly(1-alkynes). *Thin Solid Films.* 417: 143-146.
- Lam, WM; Wong, CT; Li, ZY; Luk, KDK; Chan, WK; Yang, C; Chiu, KY; Xu, B; Lu, WW. (2007). Solvothermal synthesis of strontium phosphate chloride nanowire. *J Cryst Growth.* 306: 129-134. <http://dx.doi.org/10.1016/j.jcrysgro.2007.04.050>.
- Lancefield, CS; Rashid, GMM; Bouxin, F; Wasak, A; Tu, W, eiC; Hallett, J; Zein, S; Rodriguez, J; Jackson, SD; Westwood, NJ; Bugg, TDH. (2016). Investigation of the Chemocatalytic and Biocatalytic Valorization of a Range of Different Lignin Preparations: The Importance of beta-O-4 Content. 4: 6921-6930. <http://dx.doi.org/10.1021/acssuschemeng.6b011355>.
- Lanzi, M; Bizzarri, PC; Dellacasa, C. (1997). Solvatochromic properties of poly[3-(6-methoxyhexyl)-2,5-thienylene] in different solvent mixtures. *Synthetic Metals.* 89: 181-186.
- Larichev, Y, uV; Nartova, AV; Martyanov, ON. (2016). The influence of different organic solvents on the size and shape of asphaltene aggregates studied via small-angle X-ray scattering and scanning tunneling microscopy. *AST.* 34: 244-257. <http://dx.doi.org/10.1177/0263617415623440>.
- Larobina, D; Guarino, V; Ambrosio, L. (2012). Modeling of phase separation mechanism in polycaprolactone/dioxane binary systems. 10: 237-242. <http://dx.doi.org/10.5301/JABFM.2012.10363>.
- Laronze, N; Marchal-Roch, C; Guillou, N; Liu, FX; Herve, G. (2003). Solid-state chemistry of ammonium and cesium 1-vanado-11-molybdophosphate and ammonium 12-molybdosilicate: application to oxidation catalysis. *J Catal.* 220: 172-181. [http://dx.doi.org/10.1016/S0021-9517\(03\)00242-2](http://dx.doi.org/10.1016/S0021-9517(03)00242-2).
- Lawther, JM; Sun, RC; Banks, WB. (1996). Extraction and comparative characterization of ball-milled lignin (LM), enzyme lignin (LE) and alkali lignin (LA) from wheat straw. *Cellulose Chemistry and Technology.* 30: 395-410.
- Lazzaroni, MJ; Bush, D; Jones, R; Hallett, JP; Liotta, CL; Eckert, CA. (2004). High-pressure phase equilibria of some carbon dioxide-organic-water systems. *Fluid Phase Equilibria.* 224: 143-154. <http://dx.doi.org/10.1016/j.fluid.2004.06.061>.
- Leaist, DG; Macewan, K; Stefan, A; Zamari, M. (2000). Binary mutual diffusion coefficients of aqueous cyclic ethers at 25 degrees C. Tetrahydrofuran, 1,3-dioxolane, 1,4-dioxane, 1,3-dioxane, tetrahydropyran, and trioxane. *Journal of Chemical and Engineering Data.* 45: 815-818.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Leclercbattin, F; Marquaire, PM; Come, GM; Baronnet, F. (1991). AUTOIGNITIONS OF GAS-PHASE MIXTURES OF 1,4-DIOXANE AND CHLORINE. *J Loss Prev Process Indust.* 4: 170-175.
- Lee, AL; Venkataraman, S; Sirat, SB; Gao, S; Hedrick, JL; Yang, YY. (2012). The use of cholesterol-containing biodegradable block copolymers to exploit hydrophobic interactions for the delivery of anticancer drugs. *Biomaterials.* 33: 1921-1928. <http://dx.doi.org/10.1016/j.biomaterials.2011.11.032>.
- Lee, B, oRam; Sa, JH; Park, D, aHye; Cho, S; Lee, J; Kim, H, yeJin; Oh, E; Jeon, S; Lee, J, uD; Lee, K, unH. (2012). "Continuous" Method for the Fast Screening of Thermodynamic Promoters of Gas Hydrates Using a Quartz Crystal Microbalance. *Energy Fuels.* 26: 767-772. <http://dx.doi.org/10.1021/ef201414u>.
- Lee, CS; Le Thanh, T; Kim, EJ; Gong, J; Chang, YY; Chang, YS. (2014). Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. *Bioresour Technol.* 171: 59-65. <http://dx.doi.org/10.1016/j.biortech.2014.08.039>.
- Lee, IS; Sim, WJ; Kim, CW; Chang, YS; Oh, JE. (2011). Characteristic occurrence patterns of micropollutants and their removal efficiencies in industrial wastewater treatment plants. *J Environ Monit.* 13: 391-397. <http://dx.doi.org/10.1039/c0em00130a>.
- Lee, J, aeHo; Park, JJ, in; Byun, I, mGyu; Park, T, aeJoo; Lee, T, aeHo. (2014). Anaerobic digestion of organic wastewater from chemical fiber manufacturing plant: Lab and pilot-scale experiments. *J Ind Eng Chem.* 20: 1732-1736. <http://dx.doi.org/10.1016/j.jiec.2013.08.024>.
- Lee, JY; Choi, M, inHee; Moon, D, ooK; Haw, JR, im. (2010). Synthesis of fluorene- and anthracene-based pi-conjugated polymers and dependence of emission range and luminous efficiency on molecular weight. *J Ind Eng Chem.* 16: 395-400. <http://dx.doi.org/10.1016/j.jiec.2009.08.003>.
- Lee, K, iC; Choo, KH, o. (2013). Hybridization of TiO₂ photocatalysis with coagulation and flocculation for 1,4-dioxane removal in drinking water treatment. *Chem Eng J.* 231: 227-235. <http://dx.doi.org/10.1016/j.cej.2013.07.023>.
- Lee, K, iC; Choo, KH, o. (2014). Optimization of flocculation conditions for the separation of TiO₂ particles in coagulation-photocatalysis hybrid water treatment. *Chemical Engineering and Processing: Process Intensification.* 78: 11-16. <http://dx.doi.org/10.1016/j.cep.2014.01.010>.
- Lee, KC; Beak, HJ; Choo, KH. (2015). Membrane photoreactor treatment of 1,4-dioxane-containing textile wastewater effluent: Performance, modeling, and fouling control. *Water Res.* 86: 58-65. <http://dx.doi.org/10.1016/j.watres.2015.05.017>.
- Lee, LS; Rao, PSC. (1996). Impact of several water-miscible organic solvents on sorption of benzoic acid by soil. *Environ Sci Technol.* 30: 1533-1539.
- Lee, SY; Kim, JC; Lee, JS; Kim, YG. (1993). CARBONYLATION OF FORMALDEHYDE OVER ION-EXCHANGE RESIN CATALYSTS .1. BATCH REACTOR STUDIES. *Ind Eng Chem Res.* 32: 253-259.
- Lee, W; Park, S, ooH; Kim, J; Jung, J, inY. (2015). Occurrence and removal of hazardous chemicals and toxic metals in 27 industrial wastewater treatment plants in Korea. *Desalination and Water Treatment.* 54: 1141-1149. <http://dx.doi.org/10.1080/19443994.2014.935810>.
- Lee, Y; Lee, S; Jin, YK; Seo, Y. (2014). 1-Propanol as a co-guest of gas hydrates and its potential role in gas storage and CO₂ sequestration. *Chem Eng J.* 258: 427-432. <http://dx.doi.org/10.1016/j.cej.2014.07.110>.
- Lee, YT; Iwamoto, K; Sekimoto, H; Seno, M. (1989). PERVAPORATION OF WATER DIOXANE MIXTURES WITH POLY(DIMETHYLSILOXANE-CO-SILOXANE) MEMBRANES PREPARED BY A SOL-GEL PROCESS. *J Memb Sci.* 42: 169-182.
- Lei, Y; Sun, JZ; Wang, M; Xu, RS. (2003). Single-layered organic photoreceptors based on chlorodiane blue/TiOPc/BAH three component composites - I. Device fabrication and photoconductivity. *Mater Chem Phys.* 78: 852-857.
- Leiva, MA; Greenberg, JP; Knobler, CM. (1979). VOLUME CHANGES ON MIXING 1,4-DIOXANE WITH CYCLOPENTANE, PENTANE, AND 2-METHYLBUTANE. *Journal of Chemical and Engineering Data.* 24: 208-210.
- Lemmer, H; Stieger, N; Liebenberg, W; Caira, MR. (2012). Solvatomorphism of the Antibacterial Dapsone: X-ray Structures and Thermal Desolvation Kinetics. *Cryst Growth Des.* 12: 1683-1692. <http://dx.doi.org/10.1021/cg300019f>.
- Leonteva, LB; Tselinskii, IV; Boichinova, VS; Manevskaya, RS; Gritsai, SI. (1994). PAPER-CHROMATOGRAPHIC DETERMINATION OF CD, CU(II), AND PB TRACE AMOUNTS. *Industrial Laboratory.* 60: 328-329.
- Lepori, L; Matteoli, E; Gianni, P. (2017). Vapor Pressure and Its Temperature Dependence of 28 Organic Compounds: Cyclic Amines, Cyclic Ethers, and Cyclic and Open Chain Secondary Alcohols. *Journal of Chemical and Engineering Data.* 62: 194-203. <http://dx.doi.org/10.1021/acs.jced.6b00576>.
- Lepori, L; Matteoli, E; Tine, MR. (1993). ISOTHERMAL VAPOR-LIQUID-EQUILIBRIA OF MIXTURES OF ORGANIC-COMPOUNDS .8. EXCESS GIBBS ENERGIES OF TETRACHLOROMETHANE PLUS CYCLIC OXAALKANE MIXTURES AT 298.15-K. *Fluid Phase Equilibria.* 87: 177-188.
- Lerari, D. (2015). Synthesis and Characterization of New Copolymer Based Cinnamyl Methacrylate Monomer: Determination of Monomer Reactivity Ratio and Statistical Sequence. *Mater Res.* 18: 1008-1014. <http://dx.doi.org/10.1590/1516-1439.012015>.
- Lesage, S; Jackson, RE; Priddle, MW; Riemann, PG. (1990). Occurrence and fate of organic solvent residues in anoxic groundwater at the Gloucester landfill, Canada. *Environ Sci Technol.* 24: 559-566. <http://dx.doi.org/10.1021/es00074a016>.
- Lessard, B; Aumand-Bourque, C; Chaudury, R; Gomez, D; Haroon, A; Ibrahimian, N; Mackay, S; Noel, MC; Patel, R; Sitaram, S; Valla, S; White, B; Maric, M. (2011). Poly(ethylene-co-butylene)-b-(styrene-ran-maleic anhydride)(2) Compatibilizers via Nitroxide Mediated Radical Polymerization. *International Polymer Processing.* 26: 197-204. <http://dx.doi.org/10.3139/217.2425>.
- Letcher, TM; Goldon, A. (1996). Excess molar enthalpies of (butylamine plus an ether) at 298.15 K. *Journal of Chemical and Engineering Data.* 41: 629-633.
- Letcher, TM; Govender, PU; Domanska, U. (1999). Excess molar enthalpies and volumes of diethylamine or dipropylamine plus an ether at 298.15 K. *Journal of Chemical and Engineering Data.* 44: 274-285.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Letcher, TM; Govender, UP. (1995). EXCESS MOLAR ENTHALPIES OF AN ALKANOL PLUS A CYCLIC ETHER AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 1097-1100.
- Lewandowski, TA; Rhomberg, LR. (2005). A proposed methodology for selecting a trichloroethylene inhalation unit risk value for use in risk assessment [Review]. *Regul Toxicol Pharmacol*. 41: 39-54. <http://dx.doi.org/10.1016/j.yrtph.2004.09.003>.
- Li, B; Zhu, J. (2016). Simultaneous degradation of 1,1,1-trichloroethane and solvent stabilizer 1,4-dioxane by a sono-activated persulfate process. *Chem Eng J*. 284: 750-763. <http://dx.doi.org/10.1016/j.cej.2015.08.153>.
- Li, BB; Li, RP; Yan, WD. (2011). Solubilities of Phloretin in 12 Solvents at Different Temperatures. *Journal of Chemical and Engineering Data*. 56: 1459-1462. <http://dx.doi.org/10.1021/je101168w>.
- Li, H, ao; Deng, Y; Wu, H; Ren, Y; Qiu, X; Zheng, D; Li, C. (2016). Self-assembly of kraft lignin into nanospheres in dioxane-water mixtures. *Holzforchung*. 70: 725-731. <http://dx.doi.org/10.1515/hf-2015-0238>.
- Li, H, ua; G; Guo, F; Zhao, L, ei; Zhu, J; Zhang, Y. (2010). MEASUREMENT AND CORRELATION FOR SOLUBILITY OF THIOUREA IN DIFFERENT SOLVENTS. *Can J Chem Eng*. 88: 161-164. <http://dx.doi.org/10.1002/cjce.20261>.
- Li, H, ua; Wang, H; Zhao, L, ei. (2011). Measurement and Correlation for Solubility of 11 alpha-Hydroxy-16 alpha,17 alpha-epoxyprogesterone and 16 alpha,17 alpha-Epoxyprogesterone in Solvents. *Journal of Chemical and Engineering Data*. 56: 1134-1138. <http://dx.doi.org/10.1021/je101072d>.
- Li, H, ui; Yuan, X; Zeng, G; Tong, J; Yan, Y, an; Cao, H; Wang, L; Cheng, M; Zhang, J; Yang, D, an. (2009). Liquefaction of rice straw in sub- and supercritical 1,4-dioxane-water mixture. *Fuel Process Tech*. 90: 657-663. <http://dx.doi.org/10.1016/j.fuproc.2008.12.003>.
- Li, J; Li, Y, i; Li, L, in; Mak, AFT; Ko, F; Qin, L. (2009). Fabrication and degradation of poly(L-lactic acid) scaffolds with wool keratin. *Composites Part B: Engineering*. 40: 664-667. <http://dx.doi.org/10.1016/j.compositesb.2009.04.012>.
- Li, J; Ma, Q; Li, W; Wang, C; Bai, H; Ma, H; Cai, T; Jiao, Y; Zhang, X. (2013). [Determination of dioxane residue in cosmetics by isotope dilution-headspace gas chromatography-mass spectrometry]. *Sepu*. 31: 481-484.
- Li, M; Conlon, P; Fiorenza, S; Vitale, RJ; Alvarez, PJJ. (2011). Rapid Analysis of 1,4-Dioxane in Groundwater by Frozen Micro-Extraction with Gas Chromatography/Mass Spectrometry. *Ground Water Monitoring and Remediation*. 31: 70-76. <http://dx.doi.org/10.1111/j.1745-6592.2011.01350.x>.
- Li, M; Fan, YM; Xu, F; Sun, R; Zhang, X. (2010). Cold sodium hydroxide/urea based pretreatment of bamboo for bioethanol production: Characterization of the cellulose rich fraction. *Ind Crop Prod*. 32: 551-559. <http://dx.doi.org/10.1016/j.indcrop.2010.07.004>.
- Li, M; Fiorenza, S; Chatham, JR; Mahendra, S; Alvarez, PJJ. (2010). 1,4-Dioxane biodegradation at low temperatures in Arctic groundwater samples. *Water Res*. 44: 2894-2900. <http://dx.doi.org/10.1016/j.watres.2010.02.007>.
- Li, M; Mathieu, J; Liu, Y; Van Orden, ET; Yang, Y, u; Fiorenza, S; Alvarez, PJJ. (2014). The Abundance of Tetrahydrofuran/Dioxane Monooxygenase Genes (thmA/dxmA) and 1,4-Dioxane Degradation Activity Are Significantly Correlated at Various Impacted Aquifers. *Environ Sci Technol Lett*. 1: 122-127. <http://dx.doi.org/10.1021/ez400176h>.
- Li, M; Mathieu, J; Yang, Y; Fiorenza, S; Deng, Y; He, Z; Zhou, J; Alvarez, PJ. (2013). Widespread distribution of soluble di-iron monooxygenase (SDIMO) genes in Arctic groundwater impacted by 1,4-dioxane. *Environ Sci Technol*. 47: 9950-9958. <http://dx.doi.org/10.1021/es402228x>.
- Li, M; Sun, SN, i; Xu, F; Sun, R. (2012). Sequential solvent fractionation of heterogeneous bamboo organosolv lignin for value-added application. *Separation and Purification Technology*. 101: 18-25. <http://dx.doi.org/10.1016/j.seppur.2012.09.013>.
- Li, MF, ei; Fan, YM; Sun, R, unC; Xu, F. (2010). CHARACTERIZATION OF EXTRACTED LIGNIN OF BAMBOO (NEOSINOCALAMUS AFFINIS) PRETREATED WITH SODIUM HYDROXIDE/UREA SOLUTION AT LOW TEMPERATURE. *BioResources*. 5: 1762-1778.
- Li, MX; Zhuo, RX; Qu, FQ. (2003). Study on the preparation of novel functional poly(dioxanone) and for the controlled release of protein. *React Funct Polym*. 55: 185-195. [http://dx.doi.org/10.1016/S1381-5148\(02\)00246-8](http://dx.doi.org/10.1016/S1381-5148(02)00246-8).
- Li, Q, in; Yu, P; Zhu, T; Zhang, L, ei; Li, Q; Luo, Y. (2010). Pervaporation performance of crosslinked PVA and chitosan membranes for dehydration of caprolactam solution. *Desalination and Water Treatment*. 16: 304-312. <http://dx.doi.org/10.5004/dwt.2010.1568>.
- Li, QS; Su, MG; Wang, S. (2007). Solubility of 2-(4-ethylbenzoyl)benzoic acid in eleven organic solvents between 279.55 K and 343.15 K. *Journal of Chemical and Engineering Data*. 52: 2477-2479. <http://dx.doi.org/10.1021/je700426k>.
- Li, R; Li, B; Jiang, H; Yang, J; He, B; You, Y; Zhao, J, ia. (2013). Solid-liquid equilibrium (SLE) of ternary system 3-nitrophthalic acid+4-nitrophthalic acid+1,4-dioxane at (283.15, 293.15, 303.15, 313.15 and 323.15)K. *Fluid Phase Equilibria*. 348: 17-22. <http://dx.doi.org/10.1016/j.fluid.2013.03.021>.
- Li, S; Lundquist, K. (1999). Acid reactions of lignin models of beta-5 type. *Holzforchung*. 53: 39-42.
- Li, S; Lundquist, K; Stenhagen, G. (1996). Studies on the formation of 1-(4-hydroxy-3,5-dimethoxyphenyl)-2-(4-hydroxy-3-methoxyphenyl)-1-propanone and 2-(4-hydroxy-3,5-dimethoxyphenyl)-1-(4-hydroxy-3-methoxyphenyl)-1-propanone on acid treatment of birch lignin. *Holzforchung*. 50: 253-257.
- Li, T; Li, C. (2013). Quantitative and stereospecific dihydroxylations of $\delta(5)$ -steroids: a green synthesis of plant growth hormone intermediates. *J Agric Food Chem*. 61: 12522-12530. <http://dx.doi.org/10.1021/jf404633y>.
- Li, X; Kroeger, A; Azzam, T; Eisenberg, A. (2008). Dendrimer influenced supramolecular structure formation of block copolymers: II. Dendrimer concentration dependence. *Langmuir*. 24: 2705-2711. <http://dx.doi.org/10.1021/la702614x>.
- Li, Y, iD; Chen, S, iC; Zeng, JB; Wang, Y, uZ. (2008). Novel Biodegradable Poly(1,4-dioxan-2-one) Grafted Soy Protein Copolymer: Synthesis and Characterization. *Ind Eng Chem Res*. 47: 8233-8238. <http://dx.doi.org/10.1021/ie800994s>.
- Li, Y, aNan; Huo, L, iHua; Deng, ZP; Zou, X, in; Zhu, Z, hiB; Zhao, H, ui; Gao, S. (2014). Solvent Effect on the Supramolecular Patterns and Luminescent Properties of Organic Salts Comprising Naphthalene-1,5-disulfonic Acid and Triphenylmethylamine. *Cryst Growth Des*. 14: 2381-2393. <http://dx.doi.org/10.1021/cg5001057>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Li, Y, i; Wang, L, iS; Feng, Y, unXia; Zhang, CY. (2011). Activity Coefficients of Organic Solutes at Infinite Dilution in Ionic Liquids. 1. 1-Hexyl-3-Methylimidazolium Hexafluorophosphate and 1-Octyl-3-Methylimidazolium Hexafluorophosphate and Their Application to Alkane/Aromatic and Aromatic/Aromatic Hydrocarbon Separation. *Ind Eng Chem Res.* 50: 10755-10764. <http://dx.doi.org/10.1021/ie102458k>.
- Li, Y; Wang, LS; Zhang, Y. (2010). Activity Coefficients at Infinite Dilution of Polar Solutes in 1-(2-Hydroxyethyl)-3-methylimidazolium Tetrafluoroborate Using Gas-Liquid Chromatography. *Journal of Chemical and Engineering Data.* 55: 1732-1734. <http://dx.doi.org/10.1021/je900704b>.
- Li, YX; Yao, XD; Xu, L; Luo, TL; Liu, GJ. (2011). Solubilities of N-[(4-Bromo-3,5-difluorine)-phenyl]maleimide in Different Organic Solvents. *Journal of Chemical and Engineering Data.* 56: 358-360. <http://dx.doi.org/10.1021/je1010054>.
- Li, ZW; Yang, QW; Chang, RX; Ma, GC; Chen, MX; Zhang, WQ. (2011). N-Heteroaryl-1,8-naphthalimide fluorescent sensor for water Molecular design, synthesis and properties. *Dyes and Pigments.* 88: 307-314. <http://dx.doi.org/10.1016/j.dyepig.2010.07.009>.
- Liang, J; He, L; Zhao, X; Dong, X, ia; Luo, H; Li, W. (2011). Novel linear fluoro-silicon-containing pentablock copolymers: synthesis and their properties as coating materials. *J Mater Chem.* 21: 6934-6943. <http://dx.doi.org/10.1039/c1jm10635j>.
- Lide, DR. (2000). CRC handbook of chemistry and physics. In DR Lide (Ed.), (81 ed., pp. 3-46). Boca Raton, FL: CRC Press.
- Lien, CF, u; Ho, CH; Shieh, CY, i; Tseng, C; Lin, JL. (2008). FTIR study of adsorption and reactions of ethylene oxide on powdered TiO₂. *J Phys Chem C.* 112: 8365-8371. <http://dx.doi.org/10.1021/jp711700d>.
- Lim, J, inK; Park, H, unKuk. (2012). Fabrication of macroporous chitosan/poly(L-lactide) hybrid scaffolds by sodium acetate particulate-leaching method. *Journal of Porous Materials.* 19: 383-387. <http://dx.doi.org/10.1007/s10934-011-9485-6>.
- Lim, J; Pyo, J; Jung, D; Jung, H, aKs; Lee, J, inKyu. (2016). Preparation of mono-dispersed spherical titania nanoparticles with precise size control using ethylene glycol. *Journal of Sol-Gel Science and Technology.* 79: 89-97. <http://dx.doi.org/10.1007/s10971-016-4005-4>.
- Ling, Y, u; Wu, JJ; Gao, ZF; Li, NB; Luo, HQ, un. (2015). Enhanced Emission of Polyethyleneimine-Coated Copper Nanoclusters and Their Solvent Effect. *J Phys Chem C.* 119: 27173-27177. <http://dx.doi.org/10.1021/acs.jpcc.5b09488>.
- Lipnizki, F; Hausmanns, S. (2004). Hydrophobic pervaporation of binary and ternary solutions: Evaluation of fluxes, selectivities, and coupling effects. *Separation Science and Technology.* 39: 2235-2259. <http://dx.doi.org/10.1081/SS-120039309>.
- Lippe, K; Wagler, J; Kroke, E; Herkenhoff, S; Ischenko, V; Woltersdorf, J. (2009). Cyclic Silylcarbodiimides as Precursors for Porous Si/C/N Materials: Formation, Structures, and Stabilities. *Chem Mater.* 21: 3941-3949. <http://dx.doi.org/10.1021/cm9006958>.
- Lippincott, D; Streger, SH; Schaefer, CE; Hinkle, J; Stormo, J; Steffan, RJ. (2015). Bioaugmentation and Propane Biosparging for In Situ Biodegradation of 1,4-Dioxane. *Ground Water Monitoring and Remediation.* 35: 81-92. <http://dx.doi.org/10.1111/gwmr.12093>.
- Liqiang, J; Yanchun, L; Qinghua, X. (2006). Synthesis and application of fluorinated acrylate copolymer as a retanning agent. *Journal of the Society of Leather Technologists and Chemists.* 90: 159-163.
- Liu, C; Andjelić, S; Zhou, J; Xu, Y; Vailhe, C; Vetrein, R. (2008). Thermal stability and melt rheology of poly(p-dioxanone). *J Mater Sci Mater Med.* 19: 3481-3487. <http://dx.doi.org/10.1007/s10856-008-3516-0>.
- Liu, C; Tang, G; Ding, H, ui; Chen, R; Liu, M. (2015). Determination of the solubility and thermodynamic properties of wedelolactone in a binary solvent of ethanol and water. *Fluid Phase Equilibria.* 385: 139-146. <http://dx.doi.org/10.1016/j.fluid.2014.10.031>.
- Liu, F, uS; Li, Z; Yu, S; Cui, X; Xie, C; Ge, XP. (2009). Methanolysis and Hydrolysis of Polycarbonate Under Moderate Conditions. *Journal of Polymers and the Environment.* 17: 208-211. <http://dx.doi.org/10.1007/s10924-009-0140-0>.
- Liu, GG; Jiang, XN; Xu, XB. (2001). Photodegradation of 1-(2-chlorobenzoyl)-3-(4-chlorophenyl) urea in different media and toxicity of its reaction products. *J Agric Food Chem.* 49: 2359-2362. <http://dx.doi.org/10.1021/jf000681h>.
- Liu, J, inQ; Cao, X, inX; Ji, B; Zhao, B. (2013). Measurement and Correlation of Solubilities of Indole-2-carboxylic Acid in Ten Different Pure Solvents from (278.15 to 360.15) K. *Journal of Chemical and Engineering Data.* 58: 3309-3313. <http://dx.doi.org/10.1021/je400813d>.
- Liu, J, inQ; Chen, S, iYu; Ji, B. (2014). Solubility and Thermodynamic Functions of Isatin in Pure Solvents. *Journal of Chemical and Engineering Data.* 59: 3407-3414. <http://dx.doi.org/10.1021/je500396b>.
- Liu, J; Lee, LS; Nies, LF; Nakatsu, CH; Turco, RF. (2007). Biotransformation of 8 : 2 fluorotelomer alcohol in soil and by soil bacteria isolates. *Environ Sci Technol.* 41: 8024-8030. <http://dx.doi.org/10.1021/es0708722>.
- Liu, J, inQ; Li, Y, aoYao; Wang, A, iYan; Hong, DF; Zhang, L, iYue; Wu, S, ha; Bai, QY, un; Chen, S, iYu. (2014). 4-Amino-3,6-dichloropyridazine Solubility Measurement and Correlation in Seven Pure Organic Solvents from (278.15 to 333.15) K. *Journal of Chemical and Engineering Data.* 59: 3947-3952. <http://dx.doi.org/10.1021/je500286x>.
- Liu, J; Zhou, XF. (2011). Structural changes in residual lignin of Eucalyptus urophylla x Eucalyptus grandis LH 107 oxygen delignified kraft pulp upon chlorine dioxide bleaching. *Scientia Iranica.* 18: 486-490. <http://dx.doi.org/10.1016/j.scient.2011.05.013>.
- Liu, L; Zhao, Y; Gan, S; Liang, X; Yang, J; He, M. (2008). Acetalization of carbonyl compounds with 2,2,4-trimethyl-1,3-pentanedio catalyzed by novel carbon based solid acid catalyst. *Journal of Natural Gas Chemistry.* 17: 149-152.
- Liu, R, u; Peng, Y, ao; Cao, J; Chen, Y, u. (2014). Comparison on properties of lignocellulosic flour/polymer composites by using wood, cellulose, and lignin flours as fillers. *Compos Sci Tech.* 103: 1-7. <http://dx.doi.org/10.1016/j.compscitech.2014.08.005>.
- Liu, S; He, Z; Xu, G; Xiao, X. (2014). Fabrication of polycaprolactone nanofibrous scaffolds by facile phase separation approach. *Mater Sci Eng C.* 44: 201-208. <http://dx.doi.org/10.1016/j.msec.2014.08.012>.
- Liu, TY, in; Bian, L, iXiA; Yuan, H, aoGe; Pang, B, o; Lin, Y, aKai; Tong, Y, u; Van Der Bruggen, B; Wang, XL, in. (2015). Fabrication of a high-flux thin film composite hollow fiber nanofiltration membrane for wastewater treatment. *J Memb Sci.* 478: 25-36. <http://dx.doi.org/10.1016/j.memsci.2014.12.029>.
- Liu, TY, in; Liu, Z, aiHao; Zhang, R, uiXin; Wang, Y, ao; Van Der Bruggen, B; Wang, XL, in. (2015). Fabrication of a thin film nanocomposite hollow fiber nanofiltration membrane for wastewater treatment. *J Memb Sci.* 488: 92-102. <http://dx.doi.org/10.1016/j.memsci.2015.04.020>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Liu, X; Won, Y; Ma, PX. (2005). Surface modification of interconnected porous scaffolds. *J Biomed Mater Res A*. 74: 84-91. <http://dx.doi.org/10.1002/jbm.a.30367>.
- Liu, Y; Johnson, MR; Matida, EA; Kherani, S; Marsan, J. (2009). Creation of a standardized geometry of the human nasal cavity. *J Appl Physiol*. 106: 784-795. <http://dx.doi.org/10.1152/jappphysiol.90376.2008>.
- Liu, Z; Meng, L; Chen, J; Cao, Y; Wang, Z; Ren, H, ao. (2016). The utilization of soybean straw III: Isolation and characterization of lignin from soybean straw. *Biomass and Bioenergy*. 94: 12-20. <http://dx.doi.org/10.1016/j.biombioe.2016.07.021>.
- Liu, ZF; Fullwood, N; Rimmer, S. (2000). Synthesis of allyloxycarbonyloxymethyl-5-fluorouracil and copolymerizations with N-vinylpyrrolidinone. *J Mater Chem*. 10: 1771-1775.
- Livaja-Popovic, DJ; Loncar, E, vaS; Jevric, LR; Malbasa, RV. (2012). Reversed-phase thin-layer chromatography behavior of aldopentose derivatives. *Hemijaska Industrija*. 66: 365-372. <http://dx.doi.org/10.2298/HEMIND111012099L>.
- Loeb, S; Andrews, SA; Hofmann, R, on. (2015). The effect of immobilized catalyst structure on the degradation of chemical and biological contaminants in simulated solar photocatalytic water purification. *Journal of Water Supply: Research and Technology-AQUA*. 64: 883-891. <http://dx.doi.org/10.2166/aqua.2015.035>.
- Loehe, J. R.; Vanness, HC; Abbott, MM. (1981). EXCESS THERMODYNAMIC FUNCTIONS FOR TERNARY-SYSTEMS .7. TOTAL PRESSURE DATA AND GE FOR ACETONE-1,4-DIOXANE-WATER AT 50-DEGREES-C. *Journal of Chemical and Engineering Data*. 26: 178-181.
- Lohmann, J; Gmehling, J. (2001). Solid-liquid equilibria for seven binary systems. *Journal of Chemical and Engineering Data*. 46: 333-336.
- Lokesh, BG; Rao, KSV, K; Reddy, KM; Rao, KC; Rao, PS. (2008). Novel nanocomposite membranes of sodium alginate filled with polyaniline-coated titanium dioxide for dehydration of 1,4-dioxane/water mixtures. *Desalination*. 233: 166-172. <http://dx.doi.org/10.1016/j.desal.2007.09.039>.
- Loots, L; O'Connor, JP; le Roex, T; Haynes, DA. (2015). Solid-State Supramolecular Chemistry of a Benzylpyridine-Functionalized Zwitterion: Polymorphism, Interconversion, and Porosity. *Cryst Growth Des*. 15: 5849-5857. <http://dx.doi.org/10.1021/acs.cgd.5b01238>.
- López-Donaire, ML; Fernández-Gutiérrez, M; Parra-Cáceres, J; Vázquez-Lasa, B; García-Alvarez, I; Fernández-Mayoralas, A; Román, JS. (2010). A study on partially biodegradable microparticles as carriers of active glycolipids. *Acta Biomater*. 6: 1360-1369. <http://dx.doi.org/10.1016/j.actbio.2009.11.009>.
- Lu, N, a; Chen, W, ei; Fang, G; Chen, B, i; Yang, K; Yang, Y, un; Wang, Z; Huang, S; Li, Y. (2014). 5-fold Twinned Nanowires and Single Twinned Right Bipyramids of Pd: Utilizing Small Organic Molecules To Tune the Etching Degree of O-2/Halides. *Chem Mater*. 26: 2453-2459. <http://dx.doi.org/10.1021/cm4042204>.
- Luik, H; Blyakhina, I; Luik, L. (2002). Liquefaction of Estonian oil shale kerogen in sub- and supercritical ether medium - 2. Composition of liquid products. *Oil Shale*. 19: 355-372.
- Luik, H; Luik, L; Blyakhina, I. (2002). Liquefaction of Estonian oil shale kerogen in sub- and supercritical ether medium 1. Effect of ether type on the yield and character of decomposition products. *Oil Shale*. 19: 43-56.
- Lukosek, M. (2007). Ethoxylation of stearic acid. Optimization of the process and evaluation of the products. *Przemysł Chemiczny*. 86: 652-655.
- Lukosek, M; Kosno, J; Naraniecki, B. (2010). Ethoxylation of nonylphenol. Process and product optimization. *Przemysł Chemiczny*. 89: 945-948.
- Lunkenheimer, K; Piasecki, A; Burczyk, B; Hirte, R. (2000). Adsorption properties of diastereomeric 2-n-alkyl-5-methoxy-1,3-dioxanes at the air/water interface. *Langmuir*. 16: 6982-6986.
- Luo, LB; Eisenberg, A. (2001). Thermodynamic size control of block copolymer vesicles in solution. *Langmuir*. 17: 6804-6811.
- Luo, W; Bruijninx, PCA; Weckhuysen, BM. (2014). Selective, one-pot catalytic conversion of levulinic acid to pentanoic acid over Ru/H-ZSM5. *J Catal*. 320: 33-41. <http://dx.doi.org/10.1016/j.jcat.2014.09.014>.
- Luo, W; Deka, U; Beale, AM; van Eck, ERH; Bruijninx, PCA; Weckhuysen, BM. (2013). Ruthenium-catalyzed hydrogenation of levulinic acid: Influence of the support and solvent on catalyst selectivity and stability. *J Catal*. 301: 175-186. <http://dx.doi.org/10.1016/j.jcat.2013.02.003>.
- Luong, J; Gras, R; Cortes, H; Shellie, RA. (2012). Multi-dimensional gas chromatography with a planar microfluidic device for the characterization of volatile oxygenated organic compounds. *J Chromatogr A*. 1255: 216-220. <http://dx.doi.org/10.1016/j.chroma.2012.01.073>.
- Lutfullah; Khan, F; Rahman, N; Azmi, SNH. (2009). Spectrophotometric determination of uranium (VI) via complexation with piroxicam. *Indian J Chem Tech*. 16: 437-441.
- Lyman, W; Reehl, W; Rosenblatt, D. (1990). Handbook of chemical property estimation methods: Environmental behavior of organic compounds. In WJ Lyman; WF Reehl; DH Rosenblatt (Eds.). Washington, DC: American Chemical Society.
- Ma, D; Li, B; Cui, Z; Liu, K; Chen, C; Li, G; Hua, J; Ma, B; Shi, Z; Feng, S. (2016). Multifunctional Luminescent Porous Organic Polymer for Selectively Detecting Iron Ions and 1,4-Dioxane via Luminescent Turn-off and Turn-on Sensing. 8: 24097-24103. <http://dx.doi.org/10.1021/acsami.6b07470>.
- Ma, L; Li, HR; Wang, CM; Xu, YJ; Han, SJ. (2005). Prediction of vapor-liquid equilibria data from C-H band shifts of Raman spectra and activity coefficients at infinite dilution in some aqueous systems. *Ind Eng Chem Res*. 44: 6883-6887. <http://dx.doi.org/10.1021/ie050078u>.
- Ma, X; Liang, R, an; Yang, F, an; Zhao, Z; Zhang, A; Song, N; Zhou, Q; Zhang, J. (2008). Synthesis and properties of novel second-order NLO chromophores containing pyrrole as an auxiliary electron donor. *J Mater Chem*. 18: 1756-1764. <http://dx.doi.org/10.1039/b720023d>.
- Ma, X; Zheng, X, in; Lin, L; Chen, L; Survase, S; Huang, L; Cao, S. (2015). Evaluating effects of benzene-ethanol extraction on molecular weight of lignin isolated from pretreated bamboo substrate. *Wood Science and Technology*. 49: 945-955. <http://dx.doi.org/10.1007/s00226-015-0735-7>.
- Ma, Z; Gao, C; Gong, Y; Shen, J. (2003). Paraffin spheres as porogen to fabricate poly(L-lactic acid) scaffolds with improved cytocompatibility for cartilage tissue engineering. *J Biomed Mater Res B Appl Biomater*. 67: 610-617. <http://dx.doi.org/10.1002/jbm.b.10049>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Mabuchi, T; Yoon, S; Ishiwaru, H. (2011). Solvent dependency of pentacene degradation for top-gate-type organic ferroelectric memory. *Curr Appl Phys.* 11: S98-S101. <http://dx.doi.org/10.1016/j.cap.2011.07.017>.
- Machado, AEH; Furuyama, AM; Falone, SZ; Ruggiero, R; Perez, D; Castellan, A. (2000). Photocatalytic degradation of lignin and lignin models, using titanium dioxide: the role of the hydroxyl radical. *Chemosphere.* 40: 115-124.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1994). HIGH-PRESSURE DELIGNIFICATION OF EUCALYPTUS WOOD BY 1,4-DIOXANE-CO₂ MIXTURES. *Journal of Supercritical Fluids.* 7: 87-92.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1996). Characterisation of residues and extracts of high-pressure extraction of eucalyptus wood by 1,4-dioxane-CO₂ mixtures .1. Characterisation by FTIR, UV and HPLC. *Holzforschung.* 50: 531-540.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1997). Characterisation of residues and extracts of high-pressure extraction of eucalyptus wood with 1,4-dioxane-CO₂ mixtures .2. Determination of macromolecular parameters of lignins extracted with high-pressure 1,4-dioxane. *Holzforschung.* 51: 57-61.
- Maciucă, AL; Dumitriu, E; Fajula, F; Hulea, V. (2007). Catalytic oxidation processes for removing dimethylsulfoxide from wastewater. *Chemosphere.* 68: 227-233. <http://dx.doi.org/10.1016/j.chemosphere.2007.01.028>.
- Madani, M. (2010). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Bulletin of Materials Science.* 33: 65-73. <http://dx.doi.org/10.1007/s12034-010-0009-9>.
- Madani, M. (2011). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Curr Appl Phys.* 11: 70-76. <http://dx.doi.org/10.1016/j.cap.2010.06.021>.
- Maddah, B; Motahari, A; Moghimi, A. (2010). High Capacity Anion-Exchange Resin as a Solid-Phase Extraction for Determination of Methylphosphonic Acid. *Separation Science and Technology.* 45: 2363-2367. <http://dx.doi.org/10.1080/01496391003705672>.
- Maekawa, J, un; Mae, K; Nakagawa, H. (2016). Degradation of 1,4-Dioxane by the Ferrioxalate-Mediated Photo-Fenton Process Using UV or White LED Irradiation. *J Chem Eng Jpn.* 49: 305-311. <http://dx.doi.org/10.1252/jcej.14we272>.
- Maekawa, T. (2013). Equilibrium conditions of clathrate hydrates formed from xenon and aqueous solutions of acetone, 1,4-dioxane and 1,3-dioxolane. *Fluid Phase Equilibria.* 339: 15-19. <http://dx.doi.org/10.1016/j.fluid.2012.11.034>.
- Maekawa, T. (2014). Equilibrium conditions for clathrate hydrates formed from carbon dioxide or ethane in the presence of aqueous solutions of 1,4-dioxane and 1,3-dioxolane. *Fluid Phase Equilibria.* 384: 95-99. <http://dx.doi.org/10.1016/j.fluid.2014.10.032>.
- Maeyama, K; Suzuki, M; Tsukamoto, T; Higashibayashi, S; Sakurai, H. (2014). Synthesis of thermally stable, wholly aromatic polyketones with 2,2'-dimethoxy-1,1'-binaphthyl-6,6'-diyl units through nanosized-palladium-cluster-catalyzed Suzuki-Miyaura coupling polymerization. *React Funct Polym.* 79: 24-28. <http://dx.doi.org/10.1016/j.reactfunctpolym.2014.03.007>.
- Magina, S; Marques, A; Evtuguin, DV. (2015). Study on the residual lignin in Eucalyptus globulus sulphite pulp. *Holzforschung.* 69: 513-522. <http://dx.doi.org/10.1515/hf-2014-0218>.
- Mahdaviani, SH; Parvari, M; Soudbar, D. (2016). Simultaneous multi-objective optimization of a new promoted ethylene dimerization catalyst using grey relational analysis and entropy measurement. *Korean J Chem Eng.* 33: 423-437. <http://dx.doi.org/10.1007/s11814-015-0158-z>.
- Mahendra, S; Alvarez-Cohen, L. (2006). Kinetics of 1,4-dioxane biodegradation by monooxygenase-expressing bacteria. *Environ Sci Technol.* 40: 5435-5442. <http://dx.doi.org/10.1021/es060714v>.
- Mahendra, S; Grostern, A; Alvarez-Cohen, L. (2013). The impact of chlorinated solvent co-contaminants on the biodegradation kinetics of 1,4-dioxane. *Chemosphere.* 91: 88-92. <http://dx.doi.org/10.1016/j.chemosphere.2012.10.104>.
- Mahendra, S; Petzold, CJ; Baidoo, EE; Keasling, J, ayD; Alvarez-Cohen, L. (2007). Identification of the intermediates of in vivo oxidation of 1,4-dioxane by monooxygenase-containing bacteria. *Environ Sci Technol.* 41: 7330-7336. <http://dx.doi.org/10.1021/es0705745>.
- Maher, A; Croker, D; Rasmuson, AC; Hodnett, BK. (2010). Solubility of Form III Piracetam in a Range of Solvents. *Journal of Chemical and Engineering Data.* 55: 5314-5318. <http://dx.doi.org/10.1021/je1003934>.
- Maher, A; Rasmuson, A, keC; Croker, DM; Hodnett, BK. (2012). Solubility of the Metastable Polymorph of Piracetam (Form II) in a Range of Solvents. *Journal of Chemical and Engineering Data.* 57: 3525-3531. <http://dx.doi.org/10.1021/je300711r>.
- Mahkam, M; Sanjani, NS; Entezami, AA. (2000). Regulation of controlled release of ibuprofen from crosslinked polymers containing cubane as a new crosslinking agent. *J Bioact Compat Polymer.* 15: 396-405.
- Maine CDC. (2012). Maximum exposure guidelines (MEGs) for drinking water. Maine Department of Human Services. <http://www.maine.gov/dhhs/mecdc/environmental-health/eohp/wells/documents/megtableoct2012.pdf>.
- Makedonski, P; Brandes, M; Grahn, W; Kowalsky, W; Wichern, E; Wiese, S; Johannes, HH. (2004). Synthesis of new kinds of reactive azo dyes and their application for fibre-optical pH-measurements. *Dyes and Pigments.* 61: 109-119. <http://dx.doi.org/10.1016/j.dyepig.2003.10.005>.
- Maken, A; Maken, S. (2012). Energetics of molecular interactions of 1,4-dioxane with formamides or anilines at 308.15 K. *J Ind Eng Chem.* 18: 1013-1017. <http://dx.doi.org/10.1016/j.jiec.2011.11.139>.
- Makhlouf, MT; Gomma, GK; Wahdan, MH; Khalil, ZH. (1995). EFFECT OF CYANINE DYE SOLVENT INTERACTION ON THE ELECTROCHEMICAL CORROSION BEHAVIOR OF LOW-CARBON STEEL IN ACID-MEDIUM. *Mater Chem Phys.* 40: 119-125.
- Makhseed, S; Samuel, J. (2013). Microporous organic polymers incorporating dicarboximide units for H₂ storage and remarkable CO₂ capture. 1: 13004-13010. <http://dx.doi.org/10.1039/c3ta12233f>.
- Malathi, M; Sabesan, R; Krishnan, S. (2003). Dielectric relaxation studies of dilute solutions of amides. *Mater Sci Eng B.* 104: 1-4. [http://dx.doi.org/10.1016/S0921-5107\(03\)00141-7](http://dx.doi.org/10.1016/S0921-5107(03)00141-7).
- Malinowski, JJ; Daugulis, AJ. (2002). The effective approach for recovery of methyl-substituted 1,3-dioxane from aqueous media. *Separation Science and Technology.* 37: 2659-2667.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Mandoli, C; Mecheri, B; Forte, G; Pagliari, F; Pagliari, S; Carotenuto, F; Fiaccavento, R; Rinaldi, A; Di Nardo, P; Licocchia, S; Traversa, E. (2010). Thick soft tissue reconstruction on highly perfusive biodegradable scaffolds. *Macromol Biosci.* 10: 127-138. <http://dx.doi.org/10.1002/mabi.200900323>.
- Mani, TV; Varma, HK; Warriar, KGK; Damodaran, AD. (1992). GELATION CHARACTERISTICS OF ALUMINUM TITANATE PRECURSOR SOLS IN DIFFERENT SOLVENT MEDIA. *Ceramics International.* 18: 69-72.
- Mannella, GA; La Carrubba, V; Brucato, V. (2010). On the calculation of free energy of mixing for aqueous polymer solutions with group-contribution models. *Fluid Phase Equilibria.* 299: 222-228. <http://dx.doi.org/10.1016/j.fluid.2010.09.036>.
- Mannella, GA; La Carrubba, V; Brucato, V; Sanchez, IC. (2011). Lattice fluid model generalized for specific interactions: An application to ternary polymer solutions. *Fluid Phase Equilibria.* 312: 60-65. <http://dx.doi.org/10.1016/j.fluid.2011.09.013>.
- Manoj, K; Gonnade, RG; Bhadbhade, MM; Shashidhar, MS. (2006). Subtle crossover from C-H center dot center dot center dot O to S=O center dot center dot center dot C=O short contacts in the association of diastereomers of 2,4(6)-di-O-benzoyl-6(4)-O-[(1S)-10-camphorsulfonyl]-myo-inositol 1,3,5-orthoformate upon formation of pseudopolymorphs. *Cryst Growth Des.* 6: 1485-1492. <http://dx.doi.org/10.1021/cg0601271>.
- Manteghian, M; Safavi, SMM; Mohammadi, A. (2013). The equilibrium conditions, hydrate formation and dissociation rate and storage capacity of ethylene hydrate in presence of 1,4-dioxane. *Chem Eng J.* 217: 379-384. <http://dx.doi.org/10.1016/j.cej.2012.12.014>.
- Manzhos, S; Komatsu, M; Nakazaki, J; Segawa, H; Yamashita, K. (2012). Theoretical analysis of the solvatochromism of organic dyes differing by the conjugation sequence. 2. <http://dx.doi.org/10.1117/1.JPE.2.028001>.
- Mao, J; Erstfeld, KM; Fackler, PH. (1993). SIMULTANEOUS DETERMINATION OF TRALOMETHRIN, DELTAMETHRIN, AND RELATED-COMPOUNDS BY HPLC WITH RADIOMETRIC DETECTION. *J Agric Food Chem.* 41: 596-601.
- Marakatti, VS; Shanbhag, GV; Halgeri, AB. (2013). Sulfated zirconia; an efficient and reusable acid catalyst for the selective synthesis of 4-phenyl-1,3-dioxane by Prins cyclization of styrene. *Appl Catal A-Gen.* 451: 71-78. <http://dx.doi.org/10.1016/j.apcata.2012.11.016>.
- Marlin, N; Lachenal, D; Magnin, L; Brochier-Salon, MC. (2005). Study of the oxygen effect on mechanical pulp lignin using an improved lignin isolation method. *Holzforschung.* 59: 116-123. <http://dx.doi.org/10.1515/HF.2005.018>.
- Marques, DS; Vainio, U; Chaparro, NM; Calo, VM; Bezahd, A, IIR; Pitera, J, edW; Peinemann, KV; Nunes, SP. (2013). Self-assembly in casting solutions of block copolymer membranes. *Soft Matter.* 9: 5557-5564. <http://dx.doi.org/10.1039/c3sm27475f>.
- Marques, G; Bourdelande, JL; Valiente, M. (1999). Immobilised Pd (II) on a phosphine sulphide derivated polystyrene as affinity chromatographic material for the selective adsorption of amino acids. *React Funct Polym.* 41: 77-89.
- Martijn, BJ; Fuller, AL; Malley, JP; Kruithof, JC. (2010). Impact of IX-UF Pretreatment on the Feasibility of UV/H2O2 Treatment for Degradation of NDMA and 1,4-Dioxane. *Ozone: Science and Engineering.* 32: 383-390. <http://dx.doi.org/10.1080/01919512.2010.515507>.
- Martinez, CG; Neuner, A; Martinez, LA; Braun, AM; Oliveros, E. (2000). Effect of the media on the quantum yield of singlet oxygen (O-2((1)Delta g)) production by fluorenone. *Journal of Information Recording.* 25: 405-410.
- Martinez, F; Pena, MA; Bustamante, P. (2011). Thermodynamic analysis and enthalpy-entropy compensation for the solubility of indomethacin in aqueous and non-aqueous mixtures. *Fluid Phase Equilibria.* 308: 98-106. <http://dx.doi.org/10.1016/j.fluid.2011.06.016>.
- Marui, Y; Kikuzawa, A; Kida, T; Akashi, M. (2010). Unique organogel formation with macroporous materials constructed by the freeze-drying of aqueous cyclodextrin solutions. *Langmuir.* 26: 11441-11445. <http://dx.doi.org/10.1021/la1009434>.
- Mascaros, AF; Collar, C. (1994). PROTEIN ELECTROPHORETIC PATTERN AND BREADMAKING PERFORMANCE OF WHEAT BREAD DOUGHS AND BREAD STARTED WITH PURE AND ASSOCIATED CULTURES OF YEAST AND LACTIC-ACID BACTERIA. 34: 507-526.
- Maslinskasolich, J; Baranowska, I; Macionga, A. (1992). STUDIES ON CO(II) AND MN(II) COMPLEXES OF SOME MALEIC-ANHYDRIDE COPOLYMERS. 18: 159-166.
- Massey, PM; Boansi, RK; Gipson, JD; Adams, RM; Riess, H; Dieng, T; Prelip, ML; Glik, DC. (2017). Human papillomavirus (HPV) awareness and vaccine receptivity among Senegalese adolescents. *Trop Med Int Health.* 22: 113-121. <http://dx.doi.org/10.1111/tmi.12798>.
- Masuyama, Y; Nakajima, Y; Okabe, J. (2010). Environmentally-benign palladium(II)-exchanged hydroxyapatite-catalyzed allylic alkylation of allyl methyl carbonate in water. *Appl Catal A-Gen.* 387: 107-112. <http://dx.doi.org/10.1016/j.apcata.2010.08.010>.
- Matejicek, P; Uchman, M; Lokajova, J; Stepanek, M; Spirkova, M; Prochazka, K. (2008). Multilayer polymeric nanoparticles based on specific interactions in solution: Polystyrene-block-poly(methacrylic acid) micelles with linear poly(2-vinylpyridine) in aqueous buffers. 23: 557-560. <http://dx.doi.org/10.1080/10426910802157771>.
- Matharu, K; Mittal, SK; Kumar, SKA. (2012). Conductometric Performance of Two-Pole and Five-Ring Conductivity Cell Probes for Lanthanide Determination Using EDTA and DCTA as Potential Sequestering Agents. *Ind Eng Chem Res.* 51: 11328-11334. <http://dx.doi.org/10.1021/ie301141g>.
- Matijasic, A; Marler, B; Patarin, J. (2000). Synthesis and characterization of Mu-11: a porous sodium trisilicate Na2Si3O7 center dot H2O with 10-membered ring openings. *International Journal of Inorganic Materials.* 2: 209-216.
- Matijasic, A; Patarin, J. (1999). Synthesis of OFF-type zeolite in a quasi non aqueous medium: structure directing role of p-dioxane and alkaline cations. *Microporous and Mesoporous Materials.* 29: 405-412.
- Matsuda, H; Kaburagi, K; Kurihara, K; Tochigi, K; Tomono, K. (2010). Prediction of solubilities of pharmaceutical compounds in water plus co-solvent systems using an activity coefficient model. *Fluid Phase Equilibria.* 290: 153-157. <http://dx.doi.org/10.1016/j.fluid.2009.08.021>.
- Matsuda, H; Kaburagi, K; Matsumoto, S, ho; Kurihara, K; Tochigi, K; Tomono, K. (2009). Solubilities of Salicylic Acid in Pure Solvents and Binary Mixtures Containing Cosolvent. *Journal of Chemical and Engineering Data.* 54: 480-484. <http://dx.doi.org/10.1021/jc800475d>.
- Matsufuji, H; Chino, M; Takeda, M. (2004). Effects of paprika pigments on oxidation of linoleic acid stored in the dark or exposed to light. *J Agric Food Chem.* 52: 3601-3605. <http://dx.doi.org/10.1021/jf035319s>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Matsushita, T; Hirai, S; Ishikawa, T; Matsui, Y; Shirasaki, N. (2015). Decomposition of 1,4-dioxane by vacuum ultraviolet irradiation: Study of economic feasibility and by-product formation. *Process Saf Environ Protect*. 94: 528-541. <http://dx.doi.org/10.1016/j.psep.2014.11.005>.
- Matteoli, E; Lepori, L. (2000). Determination of the excess enthalpy of binary mixtures from the measurements of the heat of solution of the components: application to the perfluorohexane plus hexane mixture. *Fluid Phase Equilibria*. 174: 115-131.
- Mattinen, ML; Suortti, T; Gosselink, R; Argyropoulos, DS; Evtuguin, D; Suurnakki, A; de Jong, E, d; Tamminen, T. (2008). POLYMERIZATION OF DIFFERENT LIGNINS BY LACCASE. *BioResources*. 3: 549-565.
- Maurer, A; Fengel, D. (1992). ON THE ORIGIN OF MILLED WOOD LIGNIN .1. THE INFLUENCE OF BALL-MILLING ON THE ULTRASTRUCTURE OF WOOD CELL-WALLS AND THE SOLUBILITY OF LIGNIN. *Holzforschung*. 46: 417-423.
- Maurer, A; Fengel, D. (1992). ON THE ORIGIN OF MILLED WOOD LIGNIN .2. THE SOLUBILITY OF LIGNIN - STUDIED BY DIOXANE EXTRACTION OF ULTRATHIN SECTIONS. *Holzforschung*. 46: 471-475.
- Maurino, V; Calza, P; Minero, C; Pelizzetti, E; Vincenti, M. (1997). Light-assisted 1,4-dioxane degradation. *Chemosphere*. 35: 2675-2688.
- Maury, S; Buisson, P; Pierre, AC. (2001). Porous texture modification of silica aerogels in liquid media and its effect on the activity of a lipase. *Langmuir*. 17: 6443-6446.
- Maury, S; Pierre, AC. (2001). Hydrolysis behaviour of lipase from *Pseudomonas Cepacia* encapsulated in silica aerogels with different characteristics. *Macromol Biosci*. 1: 119-125.
- Mavani, SJ; Mehta, NM; Parsania, PH. (2007). Synthesis and physico-chemical study of polyester polyol of epoxy resin of 1,1'-bis(3-methyl-4-hydroxy phenyl) cyclohexane and ricinoleic acid and its polyurethanes with polyethylene glycol. *Journal of Sci Ind Res*. 66: 377-384.
- Mazaheri, H; Lee, KT; Bhatia, S; Mohamed, AR. (2010). Sub/supercritical liquefaction of oil palm fruit press fiber for the production of bio-oil: effect of solvents. *Bioresour Technol*. 101: 7641-7647. <http://dx.doi.org/10.1016/j.biortech.2010.04.072>.
- Mazi, H; Kibarar, G; Emregül, E; Rzaev, ZM. (2006). Bioengineering Functional Copolymers. IX. Poly[(maleic anhydride-co-hexene-1)-g-poly(ethylene oxide)]. *Macromol Biosci*. 6: 311-321. <http://dx.doi.org/10.1002/mabi.200500222>.
- McConnell, EE; Solleveld, HA; Swenberg, JA; Boorman, GA. (1986). Guidelines for combining neoplasms for evaluation of rodent carcinogenesis studies. *J Natl Cancer Inst*. 76: 283-289. <http://dx.doi.org/10.1093/jnci/76.2.283>.
- Mcgregor, DB; Brown, AG; Howgate, S; McBride, D; Riach, C; Caspary, WJ. (1991). Responses of the L5178Y mouse lymphoma cell forward mutation assay. V: 27 coded chemicals. *Environ Mol Mutagen*. 17: 196-219. <http://dx.doi.org/10.1002/em.2850170309>.
- Medinsky, MA; Bond, JA. (2001). Sites and mechanisms for uptake of gases and vapors in the respiratory tract [Review]. *Toxicology*. 160: 165-172. [http://dx.doi.org/10.1016/S0300-483X\(00\)00448-0](http://dx.doi.org/10.1016/S0300-483X(00)00448-0).
- Meena, S; Amit, S. (2008). Activation parameters of flow through micro porous and ion exchange separators. *Res Journal Chem Environ*. 12: 82-84.
- Mejias, L; Reihmann, MH; Sepulveda-Boza, S; Ritter, H. (2002). New polymers from natural phenols using horseradish or soybean peroxidase. *Macromol Biosci*. 2: 24-32.
- Menea, B; Takahashi, M; Innocenzi, P; Yoko, T. (2007). Crystallization in hybrid organic-inorganic materials induced by self-organization in basic conditions. *Chem Mater*. 19: 1946-1953. <http://dx.doi.org/10.1021/cm062660u>.
- Mendonca, PV; Serra, AC; Popov, AV; Guliasvili, T; Coelho, JFJ. (2014). Efficient RAFT polymerization of N-(3-aminopropyl)methacrylamide hydrochloride using unprotected "clickable" chain transfer agents. *React Funct Polym*. 81: 1-7. <http://dx.doi.org/10.1016/j.reactfunctpolym.2014.04.001>.
- Menetrey, J; Perderiset, M; Cicolari, J; Houdusse, A; Stura, EA. (2007). Improving diffraction from 3 to 2 angstrom for a complex between a small GTPase and its effector by analysis of crystal contacts and use of reverse screening. *Cryst Growth Des*. 7: 2140-2146. <http://dx.doi.org/10.1021/cg700698d>.
- Mengliang, W; Chunxia, G. (2011). Biocatalytic Synthesis of Salidroside by beta-Glucosidase in Ionic Liquids. *Chinese journal of catalysis*. 32: 1051-1055. <http://dx.doi.org/10.3724/SP.J.1088.2011.01211>.
- Merayo, N; Hermosilla, D; Cortijo, L; Blanco, Á. (2014). Optimization of the Fenton treatment of 1,4-dioxane and on-line FTIR monitoring of the reaction. *J Hazard Mater*. 268: 102-109. <http://dx.doi.org/10.1016/j.jhazmat.2014.01.008>.
- Merrett, K; Griffith, CM; Deslandes, Y; Pleizier, G; Sheardown, H. (2001). Adhesion of corneal epithelial cells to cell adhesion peptide modified pHEMA surfaces. *J Biomater Sci Polym Ed*. 12: 647-671.
- Mertens, P; Verpoort, F; Parvulescu, AN; De Vos, D. (2006). Pt/H-beta zeolites as productive bifunctional catalysts for the one-step citronellal-to-menthol conversion. *J Catal*. 243: 7-13. <http://dx.doi.org/10.1016/j.jcat.2006.06.017>.
- Merzliak, T; Bartussek, I; Stapf, S; Voda, MA; Bluemich, B; Pfennig, A. (2006). Description of intra-diffusion in liquid mixtures. *Fluid Phase Equilibria*. 245: 158-167. <http://dx.doi.org/10.1016/j.fluid.2006.05.001>.
- Meylan, WM; Howard, PH; Boethling, RS; Aronson, D; Printup, H; Gouchie, S. (1999). Improved method for estimating bioconcentration/bioaccumulation factor from octanol/water partition coefficient. *Environ Toxicol Chem*. 18: 664-672. <http://dx.doi.org/10.1002/etc.5620180412>.
- Mi, H; Jing, X, in; Salick, M; Cordie, TM; Peng, XF; Turng, L. (2014). Morphology, mechanical properties, and mineralization of rigid thermoplastic polyurethane/hydroxyapatite scaffolds for bone tissue applications: effects of fabrication approaches and hydroxyapatite size. *Journal of Materials Science*. 49: 2324-2337. <http://dx.doi.org/10.1007/s10853-013-7931-3>.
- Mihu, G; Mihalache, I; Bodor, M; Mircea, O; Graur, I. (2016). Tribological Characterization of Modified Epoxy Systems. *Materiale Plastice*. 53: 298-303.
- Mikie, T; Saeki, A; Yamazaki, Y; Ikuma, N; Kokubo, K; Seki, S. (2015). Stereochemistry of spiro-acetalized [60]fullerenes: how the exo and endo stereoisomers influence organic solar cell performance. 7: 8915-8922. <http://dx.doi.org/10.1021/acsami.5b01818>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Miller, MB; Chen, DL; Luebke, DR; Johnson, JK; Enick, RM. (2011). Critical Assessment of CO₂ Solubility in Volatile Solvents at 298.15 K. *Journal of Chemical and Engineering Data*. 56: 1565-1572. <http://dx.doi.org/10.1021/je101161d>.
- Minbu, H; Ochiai, A; Kawase, T; Taniguchi, M; Lloyd, DR; Tanaka, T. (2015). Preparation of poly(L-lactic acid) microfiltration membranes by a nonsolvent-induced phase separation method with the aid of surfactants. *J Memb Sci*. 479: 85-94. <http://dx.doi.org/10.1016/j.memsci.2015.01.021>.
- Minelli, M; Friess, K; Vopicka, O; De Angelis, MG. (2013). Modeling gas and vapor sorption in a polymer of intrinsic microporosity (PIM-1). *Fluid Phase Equilibria*. 347: 35-44. <http://dx.doi.org/10.1016/j.fluid.2013.03.003>.
- Minkov, VS; Beloborodova, AA; Drebushchak, VA; Boldyreva, EV. (2014). Furosemide Solvates: Can They Serve As Precursors to Different Polymorphs of Furosemide? *Cryst Growth Des*. 14: 513-522. <http://dx.doi.org/10.1021/cg401257w>.
- Misra, AK; Pacharee, S. (2002). Retention behaviour of metal ions on calcium sulphate layers: Separation of mercury. *Indian J Chem Tech*. 9: 239-244.
- Misra, DN. (1994). INTERACTION OF CHLORHEXIDINE DIGLUCONATE WITH AND ADSORPTION OF CHLORHEXIDINE ON HYDROXYAPATITE. *J Biomed Mater Res*. 28: 1375-1381.
- Miyagawa, D; Muroyama, M; Tanaka, K; Usui, H. (2016). Preparation of Phosphorescent Polymer Patterns by Spin-Coating Photoreactive Small Molecules. *Electronics and Communications in Japan*. 99: 58-64. <http://dx.doi.org/10.1002/ecj.11827>.
- Miyagawa, Y; Kamitakahara, H; Takano, T. (2013). Fractionation and characterization of lignin-carbohydrate complexes (LCCs) of Eucalyptus globulus in residues left after MWL isolation. Part II: Analyses of xylan-lignin fraction (X-L). *Holzforschung*. 67: 629-642. <http://dx.doi.org/10.1515/hf-2012-0148>.
- Mochida, T; Ohnishi, R; Horita, N; Kamiya, Y; Okuhara, T. (2007). Hydration of alpha-pinene over hydrophobic zeolites in 1,4-dioxane-water and in water. *Microporous and Mesoporous Materials*. 101: 176-183. <http://dx.doi.org/10.1016/j.micromeso.2006.10.022>.
- Mochizuki, H; Sasaki, F; Hotta, S, hu. (2014). Crystallization of thiophene/phenylene co-oligomers by dropping of their solutions into poor solvents. *Thin Solid Films*. 554: 89-94. <http://dx.doi.org/10.1016/j.tsf.2013.08.024>.
- Modarresi-Alam, A, liR; Dabbagh, HA. (2009). Dynamic H-1-NMR demonstration of anomeric effect and structure: conformational and configurational analysis of N-2-(1,4-dioxane)-N'-(p-methylbenzenesulfonyl)-O-(p-methylphenoxy) isourea. *Turkish Journal of Chemistry*. 33: 607-619. <http://dx.doi.org/10.3906/kim-0901-22>.
- Moe, ST; Ragauskas, AJ. (1999). Oxygen delignification of high-yield kraft pulp part I: Structural properties of residual lignins. *Holzforschung*. 53: 416-422.
- Mogi, R; Inaba, M; Iriyama, Y; Abe, T; Ogumi, Z. (2003). Study on the decomposition mechanism of alkyl carbonate on lithium metal by pyrolysis-gas chromatography-mass spectroscopy. *J Power Sources*. 119: 597-603. [http://dx.doi.org/10.1016/S0378-7753\(03\)00302-1](http://dx.doi.org/10.1016/S0378-7753(03)00302-1).
- Mohamed, NH; Zaky, MT; Farag, AS; Fahmy, AFM. (2008). Separation of paraffin wax using solvent fractionation. *Petroleum Science and Technology*. 26: 562-574. <http://dx.doi.org/10.1080/10916460600809816>.
- Mohammad, A. (1995). SEPARATION OF NICKEL FROM COBALT AS ITS CHLOROSULPHATE ON SILICA-GEL LAYER WITH SOLVENTS CONTAINING FORMIC-ACID. *Indian J Chem Tech*. 2: 233-235.
- Mohammad, A, li; Bhawani, SA. (2009). On Plate Resolution and Identification of Three-Component Mixture of Nonionic Surfactants. *Tenside Surfactants Detergents*. 46: 81-84.
- Mohammad, A; Sirwal, YH. (2004). Chromatography of heavy metal cations with formic acid containing mobile phases: Effect of added organic solvents and surfactants on the mobility of cations. *Indian J Chem Tech*. 11: 726-731.
- Mohammadi, A; Manteghian, M; Mohammadi, AH. (2013). Dissociation Data of Semiclathrate Hydrates for the Systems of Tetra-n-butylammonium Fluoride (TBAF) plus Methane plus Water, TBAF plus Carbon Dioxide plus Water, and TBAF plus Nitrogen plus Water. *Journal of Chemical and Engineering Data*. 58: 3545-3550. <http://dx.doi.org/10.1021/je4008519>.
- Mohammadi, A; Manteghian, M; Mohammadi, AH. (2014). Phase equilibria of semiclathrate hydrates for methane plus tetra n-butylammonium chloride (TBAC), carbon dioxide plus TBAC, and nitrogen plus TBAC aqueous solution systems. *Fluid Phase Equilibria*. 381: 102-107. <http://dx.doi.org/10.1016/j.fluid.2014.08.012>.
- Mohammadi, M; Habibi, Z; Dezvarei, S; Yousefi, M; Ashjari, M. (2015). Selective enrichment of polyunsaturated fatty acids by hydrolysis of fish oil using immobilized and stabilized Rhizomucor miehei lipase preparations. *Food Bioprod Process*. 94: 414-421. <http://dx.doi.org/10.1016/j.fbp.2014.05.007>.
- Mohammadi, M; Habibi, Z; Dezyarei, S; Yousefi, M; Samadi, S; Ashjari, M. (2014). Improvement of the stability and selectivity of Rhizomucor miehei lipase immobilized on silica nanoparticles: Selective hydrolysis of fish oil using immobilized preparations. *Process Biochemistry*. 49: 1314-1323. <http://dx.doi.org/10.1016/j.procbio.2014.04.012>.
- Mohammadi-Rovshandeh, J; Abdouss, M; Hoseini, SM; Imani, M; Ekhlasi-Kazaj, K. (2010). Synthesis and Thermal Properties of Novel Biodegradable ABCBA Pentablock Copolymers from Poly (Ethylene glycol), (L)-Lactide and p- Dioxanone. *Iranian Journal of Chemistry and Chemical Engineering (International English Edition)*. 29: 57-65.
- Monneyron, P; Manero, MH; Foussard, JN. (2003). Measurement and modeling of single- and multi-component adsorption equilibria of VOC on high-silica zeolites. *Environ Sci Technol*. 37: 2410-2414. <http://dx.doi.org/10.1021/es026206c>.
- Montebault, V; Folliot, V; Soutif, JC; Brosse, JC. (1994). SYNTHESIS OF CHELATING MOLECULES AS AGENTS FOR MAGNETIC-RESONANCE-IMAGING .2. SYNTHESIS AND COMPLEXING PROPERTIES OF N-ACRYLOYL DIETHYL IMINODIACETATE COPOLYMERS. 22: 81-89.
- Montesanto, S; Brucato, V; La Carrubba, V. (2016). Evaluation of mechanical and morphologic features of PLLA membranes as supports for perfusion cells culture systems. *Mater Sci Eng C*. 69: 841-849. <http://dx.doi.org/10.1016/j.msec.2016.07.030>.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2001). A novel formulation for controlled release of heparin-DOCA conjugate dispersed as nanoparticles in polyurethane film. *Biomaterials*. 22: 281-289.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2002). Improved blood compatibility by sustained release of heparin-deoxycholic acid conjugates in a PCL-PEG multiblock copolymer matrix. *J Biomater Sci Polym Ed.* 13: 817-828.
- Moreau, JL; Kesselman, D; Fisher, JP. (2007). Synthesis and properties of cyclic acetal biomaterials. *J Biomed Mater Res A.* 81: 594-602. <http://dx.doi.org/10.1002/jbm.a.31104>.
- Morgan, KT; Patterson, DL; Gross, EA. (1986). Responses of the nasal mucociliary apparatus of F-344 rats to formaldehyde gas. *Toxicol Appl Pharmacol.* 82: 1-13. [http://dx.doi.org/10.1016/0041-008X\(86\)90431-X](http://dx.doi.org/10.1016/0041-008X(86)90431-X).
- Mori, K; Nakamura, Y; Kaneko, M; Kan, T; Amemiya, T; Suzuki, S; Nakamura, H. (1992). Determination of 1,1,1-trichloroethane and 1,4-dioxane in household aerosol products. *JTTHE.* 38: 511-516.
- Mori, K; Nakamura, Y; Kaneko, M; Kan, T; Nakamura, H. (1993). SIMULTANEOUS DETERMINATION OF 1,1,1-TRICHLOROETHANE AND ITS STABILIZER IN WATER PROOFING AEROSOL PRODUCTS BY DRYSPACE METHOD. *JTTHE.* 39: 317-323.
- Morino, Y; Yamada, Y; Sato, S. (2014). Dehydration of 3-methyl-1,3-butanediol over Al₂O₃ modified with carbon. *Appl Catal A-Gen.* 475: 147-154. <http://dx.doi.org/10.1016/j.apcata.2014.01.027>.
- Morita, T; Hayashi, M. (1998). 1,4-Dioxane is not mutagenic in five in vitro assays and mouse peripheral blood micronucleus assay, but is in mouse liver micronucleus assay. *Environ Mol Mutagen.* 32: 269-280. [http://dx.doi.org/10.1002/\(SICI\)1098-2280\(1998\)32:3<269::AID-EM10>3.0.CO;2-8](http://dx.doi.org/10.1002/(SICI)1098-2280(1998)32:3<269::AID-EM10>3.0.CO;2-8).
- Morris, JJ; Noll, BC; Henderson, KW. (2006). Assembly of 6(3),6(6)-pillared metal-organic bilayers and diamondoid lattices using molecular Li₂O₂ ring dimers as secondary building units. *Cryst Growth Des.* 6: 1071-1073. <http://dx.doi.org/10.1021/cg0600187>.
- Mostafa, NYS. (1994). BASE-CATALYZED DIOXANE AND DIOXANE-BORAX PULPING AND THE FINE-STRUCTURE, CHEMICAL-REACTIVITY AND VISCOSE FILTERABILITY OF COTTON CELLULOSE. *Cellulose Chemistry and Technology.* 28: 171-175.
- Motoyanagi, J; Kurata, A; Minoda, M. (2015). Self-assembly behavior of amphiphilic C₆₀-end-capped poly(vinyl ether)s in water and dissociation of the aggregates by the complexing of the C₆₀ moieties with externally added γ -cyclodextrins. *Langmuir.* 31: 2256-2261. <http://dx.doi.org/10.1021/la504341s>.
- Mounzer, HN; Wood, J; Stitt, EH. (2010). Heterogeneous oxidation of 2-octanol on 5 wt%Pt-1 wt%Bi/Carbon catalyst. *Chem Eng Sci.* 65: 179-185. <http://dx.doi.org/10.1016/j.ces.2009.05.050>.
- Mu, P; Sun, H; Zhu, Z; Liang, W; Liu, J; Li, A, n. (2016). Synthesis and Properties of Nitrogen-Containing Conjugated Microporous Polymers. *Macromolecular Materials & Engineering.* 301: 451-456. <http://dx.doi.org/10.1002/mame.201500383>.
- Mukherjee, K; Moulik, SP; Mukherjee, DC. (1993). THERMODYNAMICS OF MICELLIZATION OF AEROSOL OT IN POLAR AND NONPOLAR-SOLVENTS - A CALORIMETRIC STUDY. *Langmuir.* 9: 1727-1730.
- Mukherjee, S; Vannice, MA. (2006). Solvent effects in liquid-phase reactions - I. Activity and selectivity during citral hydrogenation on Pt/SiO₂ and evaluation of mass transfer effects. *J Catal.* 243: 108-130. <http://dx.doi.org/10.1016/j.jcat.2006.06.021>.
- Mumick, PS; Hester, RD; McCormick, CL. (1994). WATER-SOLUBLE COPOLYMERS .55. N-ISOPROPYLACRYLAMIDE-CO-ACRYLAMIDE COPOLYMERS IN DRAG REDUCTION - EFFECT OF MOLECULAR-STRUCTURE, HYDRATION, AND FLOW GEOMETRY ON DRAG REDUCTION PERFORMANCE. *Polymer Engineering and Science.* 34: 1429-1439.
- Mun, SP; Hassan, EB; Hassan, M. (2004). Liquefaction of lignocellulosic biomass with dioxane/polar solvent mixtures in the presence of an acid catalyst. *J Ind Eng Chem.* 10: 473-477.
- Mun, SP; Jang, JP. (2009). Liquefaction of cellulose in the presence of phenol using p-toluene sulfonic acid as a catalyst. *J Ind Eng Chem.* 15: 743-747. <http://dx.doi.org/10.1016/j.jiec.2009.09.056>.
- Munirasu, S; Nunes, SP. (2014). Porous asymmetric SiO₂-g-PMMA nanoparticles produced by phase inversion. *Journal of Materials Science.* 49: 7399-7407. <http://dx.doi.org/10.1007/s10853-014-8434-6>.
- Mussini, T; Covington, AK; Cicognini, M; Longhi, P; Rondinini, S. (1982). STANDARD PH VALUES FOR POTASSIUM HYDROGENPHTHALATE BUFFER SOLUTIONS IN 10, 30, AND 50 WT PER CENT 1,4-DIOXAN WATER MIXTURES AT 25-DEGREES-C. *Ann Chim.* 72: 639-642.
- Mwangi, IW; Ngila, JC; Ndungu, P. (2012). A new spectrophotometric method for determination of residual polydiallyldimethylammonium chloride flocculant in treated water based on a diazotization-coupled ion pair. *Water SA.* 38: 707-714. <http://dx.doi.org/10.4314/wsa.v38i5.8>.
- Nadji, H; Diouf, PN; Benaboura, A; Bedard, Y; Riedl, B; Stevanovic, T. (2009). Comparative study of lignins isolated from Alfa grass (*Stipa tenacissima* L.). *Bioresour Technol.* 100: 3585-3592. <http://dx.doi.org/10.1016/j.biortech.2009.01.074>.
- Nagamine, T; Januszko, A; Kaszynski, P; Ohta, K; Endo, Y. (2006). Mesogenic, optical, and dielectric properties of 5-substituted 2-[12-(4-pentyloxyphenyl)-p-carboran-1-yl] [1,3]dioxanes. *J Mater Chem.* 16: 3836-3843. <http://dx.doi.org/10.1039/b608012j>.
- Nah, JW; Jeong, YI; Koh, JJ. (2000). Drug release from nanoparticles of poly(DL-lactide-co-glycolide). *Korean J Chem Eng.* 17: 230-236.
- Nahar, M; Zhang, J. (2011). Concentration and distribution of organic and inorganic water pollutants in eastern Shizuoka, Japan. *Toxicol Environ Chem.* 93: 1946-1955. <http://dx.doi.org/10.1080/02772248.2011.610498>.
- Naidu, BVK; Rao, KSV, K; Aminabhavi, TM. (2005). Pervaporation separation of water+1,4-dioxane and water plus tetrahydrofuran mixtures using sodium alginate and its blend membranes with hydroxyethylcellulose - A comparative study. *J Memb Sci.* 260: 131-141. <http://dx.doi.org/10.1016/j.memsci.2005.03.026>.
- Naik, KBK; Raju, S; Kumar, BA; Rao, GN. (2012). Chemical speciation of binary complexes of Pb(II), Cd(II) and Hg(II) with L-glutamic acid in dioxan-water mixtures. *Chem Speciation Bioavailability.* 24: 241-247. <http://dx.doi.org/10.3184/095422912X13494547943184>.
- Nain, AK; Chandra, P; Pandey, JD; Gopal, S. (2008). Densities, Refractive Indices, and Excess Properties of Binary Mixtures of 1,4-Dioxane with Benzene, Toluene, o-Xylene, m-Xylene, p-Xylene, and Mesitylene at Temperatures from (288.15 to 318.15) K. *Journal of Chemical and Engineering Data.* 53: 2654-2665. <http://dx.doi.org/10.1021/jc800579j>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Nakagawa, H; Takagi, S; Maekawa, J, un. (2016). Fered-Fenton process for the degradation of 1,4-dioxane with an activated carbon electrode: A kinetic model including active radicals. *Chem Eng J.* 296: 398-405. <http://dx.doi.org/10.1016/j.cej.2016.03.090>.
- Nakajima, A; Matsui, S; Yanagida, S; Kameshima, Y; Okada, K. (2009). Preparation and properties of titania-Cs₂H₀.5PW₁₂O₄₀ hybrid films. *Surf Coating Tech.* 203: 1133-1137. <http://dx.doi.org/10.1016/j.surfcoat.2008.10.010>.
- Nakamiya, K; Takagi, H; Nakayama, T; Ito, H; Tsuruga, H; Edmonds, JS; Morita, M. (2005). Microbial production and vaporization of mono-(2-ethylhexyl) phthalate from di-(2-ethylhexyl) phthalate by microorganisms inside houses. *Arch Environ Occup Health.* 60: 321-325. <http://dx.doi.org/10.3200/AEOH.60.6.321>.
- Nakanishi, T; Shen, Y; Wang, J; Li, H; Fernandes, P; Yoshida, K; Yagai, S; Takeuchi, M; Ariga, K; Kurth, DG; Moehwald, H. (2010). Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. *J Mater Chem.* 20: 1253-1260. <http://dx.doi.org/10.1039/b916612b>.
- Nakano, S. (1999). Polycarbonate-modified acrylic polymers for coating materials. *Progr Org Coating.* 35: 141-151.
- Nakao, H; Hyon, SH; Tsutsumi, S; Matsumoto, T; Takahashi, J. (2003). Control of pore size in L-lactide/epsilon-caprolactone copolymer foams for tissue regeneration by the freeze-drying method. *Dent Mater J.* 22: 262-271.
- Nam, YS; Park, TG. (1999). Porous biodegradable polymeric scaffolds prepared by thermally induced phase separation. *J Biomed Mater Res.* 47: 8-17.
- Namkung, KC; Aris, A; Sharratt, PN. (2004). Characterization of effects of selected organic substances on decomposition of hydrogen peroxide during Fenton reaction. *Water Sci Technol.* 49: 129-134.
- Narain, R; Gonzales, M; Hoffman, AS; Stayton, PS; Krishnan, KM. (2007). Synthesis of monodisperse biotinylated p(NIPAAm)-coated iron oxide magnetic nanoparticles and their bioconjugation to streptavidin. *Langmuir.* 23: 6299-6304. <http://dx.doi.org/10.1021/la700268g>.
- Narke, CS; Math, KS. (1979). ANION-EXCHANGE SELECTIVITY IN WATER-DIOXANE MEDIUM. *Separation Science and Technology.* 14: 55-67.
- NAS. (2003). Food chemicals codex Polysorbate 20 (5th ed.). Washington, DC. http://www.nap.edu/catalog.php?record_id=10731.
- Nastasovic, AB; Ignjatovic, NL; Uskokovic, DP; Markovic, DD; Ekmescic, BM; Maksin, DD; Onjia, AE. (2014). Determination of thermodynamic interactions of polylactide and biphasic calcium phosphate/polylactide composite by inverse gas chromatography at infinite dilution. *Journal of Materials Science.* 49: 5076-5086. <http://dx.doi.org/10.1007/s10853-014-8214-3>.
- Nath, B; Baruah, JB. (2012). Quasi-Isostructural Solvates of Bis(4-hydroxy-3,5-dimethylphenyl)(4-N,N-dimethylaminophenyl)methane. *Cryst Growth Des.* 12: 6173-6180. <http://dx.doi.org/10.1021/cg3013427>.
- Nath, B; Baruah, JB. (2013). Polymorphs, Solvates, Polymorphs of Solvate and Cs+pi Interactions of Fluorine-Substituted bis-Phenols. *Cryst Growth Des.* 13: 5146-5155. <http://dx.doi.org/10.1021/cg401220x>.
- Nath, J; Pandey, JG. (1996). Excess molar volumes, relative permittivities, and refractive indexes of 1,1,2,2-tetrachloroethane plus pyridine, plus anisole, plus methyl ethyl ketone, and plus 1,4-dioxane at 303.15 K. *Journal of Chemical and Engineering Data.* 41: 844-847.
- Nath, J; RASHMI. (1990). EXCESS VOLUMES FOR BINARY-LIQUID MIXTURES OF 1,4-DIOXANE WITH METHYLENE-CHLORIDE, 1,2-DICHLOROETHANE, TRICHLOROETHYLENE, TETRACHLOROETHYLENE AND CYCLOHEXANE AT VARIOUS TEMPERATURES. *Fluid Phase Equilibria.* 58: 319-324.
- Nawwar, G; Yakout, S; El-Sadiq, MSA; El-Sabbagh, S. (2011). Synthesis and evaluation of new antioxidants for styrene butadiene rubber. *Pigment & Resin Technology.* 40: 399-409. <http://dx.doi.org/10.1108/03699421111180554>.
- Nayak, JN; Aralaguppi, MI; Aminabhavi, TM. (2003). Density, Viscosity, Refractive Index, and Speed of Sound in the Binary Mixtures of 1,4-Dioxane + Ethyl Acetoacetate, + Diethyl Oxalate, + Diethyl Phthalate, or + Dioctyl Phthalate at 298.15, 303.15, and 308.15 K. *Journal of Chemical and Engineering Data.* 48: 1489-1494. <http://dx.doi.org/10.1021/je0301489>.
- Nayak, JN; Aralaguppi, MI; Aminabhavi, TM. (2003). Density, viscosity, refractive index, and speed of sound in the binary mixtures of 1,4-dioxane plus ethanediol, plus hexane, plus tributylamine, or plus triethylamine at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data.* 48: 1152-1156. <http://dx.doi.org/10.1021/je030107c>.
- Nayak, JN; Aralaguppi, MI; Naidu, BVK; Aminabhavi, TM. (2004). Thermodynamic properties of water plus tetrahydrofuran and water plus 1,4-dioxane mixtures at (303.15, 313.15, and 323.15) K. *Journal of Chemical and Engineering Data.* 49: 468-474.
- Nazari, S; Ghandi, K. (2015). GREEN METHODS FOR OXIDATION OF AN AROMATIC DIKETONE TO AN AROMATIC ANHYDRIDE: OXIDATION OF ACEANTHRAQUINONE. *Fresen Environ Bull.* 24: 1350-1355.
- Nedeltchev, S. (2017). Theoretical prediction of mass transfer coefficients in both gas-liquid and slurry bubble columns. *Chem Eng Sci.* 157: 169-181. <http://dx.doi.org/10.1016/j.ces.2016.06.047>.
- Nedeltchev, S; Jordan, U, we; Schumpe, A. (2006). Correction of the penetration theory applied to the prediction of k(L)a in a bubble column with organic liquids. *Chem Eng Tech.* 29: 1113-1117. <http://dx.doi.org/10.1002/ceat.200600158>.
- Nedeltchev, S; Jordan, U; Schumpe, A. (2010). SEMI-THEORETICAL PREDICTION OF VOLUMETRIC MASS TRANSFER COEFFICIENTS IN BUBBLE COLUMNS WITH ORGANIC LIQUIDS AT AMBIENT AND ELEVATED TEMPERATURES. *Can J Chem Eng.* 88: 523-532. <http://dx.doi.org/10.1002/cjce.20309>.
- Nelson, DA; Duncan, JB; Jensen, GA; Burton, SD. (1996). Isotopomeric water separations with supported polyphosphazene membranes. *J Memb Sci.* 112: 105-113.
- Nelson, H; Ihrig, A; Kahlau, R; Kibies, P; Kast, SM; Bohmer, R. (2015). Deuteron magnetic resonance and dielectric studies of guest reorientation and water dynamics in six clathrate hydrates containing ring-type guests. *Journal of Non-Crystalline Solids.* 407: 431-440. <http://dx.doi.org/10.1016/j.jnoncrysol.2014.08.059>.
- Nemeth, K; Faix, O. (1994). MONITORING OF THE PHOTODEGRADATION OF WOOD BY QUANTITATIVE DRIFT SPECTROSCOPY. *Holz als Roh- und Werkstoff.* 52: 261-266.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Neto, CP; Seca, A; Nunes, AM; Coimbra, MA; Domingues, F; Evtuguin, D; Silvestre, A; Cavaleiro, JAS. (1997). Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity stages of *Arundo donax*. *Ind Crop Prod*. 6: 51-58.
- Neumann, HG; Vamvakas, S; Thielmann, HW; Gelbke, HP; Filser, JG; Reuter, U; Greim, H; Kappus, H; Norpoth, KH; Wardenbach, P; Wichmann, HE. (1998). Changes in the classification of carcinogenic chemicals in the work area - Section III of the German List of MAK and BAT Values. *Int Arch Occup Environ Health*. 71: 566-574.
- Neves, P; Russo, PA; Fernandes, A; Antunes, MM; Farinha, J; Pillinger, M; Ribeiro, MF; Castanheiro, JE; Valente, AA. (2014). Mesoporous zirconia-based mixed oxides as versatile acid catalysts for producing bio-additives from furfuryl alcohol and glycerol. *Appl Catal A-Gen*. 487: 148-157. <http://dx.doi.org/10.1016/j.apcata.2014.08.042>.
- New Hampshire DES. (2011). Environmental fact sheet: 1,4-dioxane and drinking water [Fact Sheet]. (WD-DWGB-3-24). Concord, NH. <http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/documents/dwgb-3-24.pdf>.
- Nguyen, L; Nakatani, K; Journet, B. (2010). Refractive Index Measurement by Using an Optoelectronic Oscillator. *I E E E Photonics Technology Letters*. 22: 857-859. <http://dx.doi.org/10.1109/LPT.2010.2046028>.
- Nguyen, ML; Goh, KM. (1992). EVALUATION OF METHODS FOR DETERMINING S-35 AND S-32 IN THE SAME TRAPPING SOLUTION OF JOHNSON AND NISHITA METHOD. *Commun Soil Sci Plant Anal*. 23: 1893-1910.
- Nguyen, TPN; Yun, E; Kim, I, nC; Kwon, Y. (2013). Preparation of cellulose triacetate/cellulose acetate (CTA/CA)-based membranes for forward osmosis. *J Memb Sci*. 433: 49-59. <http://dx.doi.org/10.1016/j.memsci.2013.01.027>.
- Ni, YH; Ooi, T. (1996). Laboratory study on bleaching softwood kraft pulp by a totally chlorinefree process including the novel ozone bleaching. *Tappi Journal*. 79: 167-172.
- Niazi, A, I; Yazdanipour, A; Ghasemi, J; Amini, A; Bozorgzad, S; Kubista, M. (2008). Spectrophotometric investigation of the acidity constants of fluorescein in various water-organic solvent media. *Chemical Engineering Communications*. 195: 1257-1268. <http://dx.doi.org/10.1080/00986440801943677>.
- Nie, Q; Wang, JK. (2005). Solubility of 16 alpha,17 alpha-epoxyprogesterone in six different solvents. *Journal of Chemical and Engineering Data*. 50: 1750-1752. <http://dx.doi.org/10.1021/je050195w>.
- Nigiz, FU; Dogan, H; Hilmioglu, ND. (2012). Pervaporation of ethanol/water mixtures using clinoptilolite and 4A filled sodium alginate membranes. *Desalination*. 300: 24-31. <http://dx.doi.org/10.1016/j.desal.2012.05.036>.
- NIOSH. (2004). NIOSH pocket guide to chemical hazards: Dioxane. Cincinnati, OH. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- NIOSH. (2010). Dioxane. Atlanta, GA. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- Nirmal, JD; Pandya, VP; Desai, NV; Rangarajan, R. (1992). CELLULOSE TRIACETATE MEMBRANE FOR APPLICATIONS IN PLATING, FERTILIZER, AND TEXTILE DYE INDUSTRY WASTES. *Separation Science and Technology*. 27: 2083-2098.
- Nishikawa, H; Morimoto, T; Kodama, T; Ikemoto, I; Kikuchi, K; Yamada, J; Yoshino, H; Murata, K. (2003). New organic superconductors from a donor with reduced pi-system. *Synthetic Metals*. 133: 193-195.
- Nishikawa, H; Sato, T; Kodama, T; Ikemoto, I; Kikuchi, K; Anzai, H; Yamada, J. (1999). Preparation and properties of DOET derivatives and their salts. *Synthetic Metals*. 102: 1695-1695.
- Niu, H; Zhang, L; Gao, M; Chen, Y. (2005). Amphiphilic ABC triblock copolymer-assisted synthesis of core/shell structured CdTe nanowires. *Langmuir*. 21: 4205-4210. <http://dx.doi.org/10.1021/la046883f>.
- Niu, X; Fan, Y; Liu, X; Li, X; Li, P; Wang, J; Sha, Z; Feng, Q. (2011). Repair of bone defect in femoral condyle using microencapsulated chitosan, nanohydroxyapatite/collagen and poly(L-lactide)-based microsphere-scaffold delivery system. *Artif Organs*. 35: E119-E128. <http://dx.doi.org/10.1111/j.1525-1594.2011.01274.x>.
- Niu, Y; Gao, F, ei; Sun, S; Xiao, J; Wei, X. (2013). Solubility of dilute SO₂ in 1,4-dioxane, 15-crown-5 ether, polyethylene glycol 200, polyethylene glycol 300, and their binary mixtures at 308.15 K and 122.66 kPa. *Fluid Phase Equilibria*. 344: 65-70. <http://dx.doi.org/10.1016/j.fluid.2013.01.008>.
- Noh, HJ; Park, S, oJin; In, S, eJin. (2010). Excess molar volumes and deviations of refractive indices at 298.15 K for binary and ternary mixtures with pyridine or aniline or quinoline. *J Ind Eng Chem*. 16: 200-206. <http://dx.doi.org/10.1016/j.jiec.2010.01.038>.
- Nojima, K; Isogami, C; Kobashi, M. (1994). APPLICATION OF 4-PHENYL-1,2,-4-TRIAZOLINE-3,5-DIONE FOR THE ANALYSIS OF SORBIC ACID IN FOODS. *JTTHE*. 40: 467-471.
- Nonaka, T; Takeda, S. (1996). Transport of metal ions through cation exchange membranes containing episulfide (or thiol) groups and/or triethylenetetramine side chains. *J Memb Sci*. 121: 137-148.
- Nose, T; Yokoyama, Y; Takezaki, H; Hanaoka, Y. (2014). Treatment of 1,4-Dioxane by Pulsed Discharge Plasma in Air with Water Droplets Spray. *Kagaku Kogaku Ronbunshu*. 40: 27-30. <http://dx.doi.org/10.1252/kakoronbunshu.40.27>.
- Novaki, LP; El Seoud, OA. (2000). Microscopic polarities of interfacial regions of aqueous cationic micelles: Effects of structures of the solvatochromic probe and the surfactant. *Langmuir*. 16: 35-41.
- Nowaczyk-Organista, M; Pradzynski, W. (2012). DISCOLOURATION OF DIOXANE LIGNIN ISOLATED FROM OAK WOOD (*QUERCUS ROBUR* L.) AND SWEET CHERRY WOOD (*PRUNUS AVIUM* L.) IRRADIATED WITH VARIOUS LIGHT SOURCES. 57: 515-522.
- NRC. (1983). Risk Assessment in the Federal Government: Managing the Process. Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/366>.
- NRC. (1994). Science and judgment in risk assessment (pp. 672). Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/2125>.
- NRC. (2009). Science and decisions: Advancing risk assessment. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/12209>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- NRC. (2011). National Academies Press Review of the Environmental Protection Agency's draft IRIS assessment of formaldehyde. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/13142>.
- Nukaga, N; Ono, H; Shida, T; Machida, H; Suzuki, T; Funakubo, H. (2002). Preparation of SrBi₂Ta₂O₉ thin films by liquid-delivery MOCVD without additional solvents. *Integrated Ferroelectrics*. 45: 215-222. <http://dx.doi.org/10.1080/10584580190044137>.
- Nunes, SP; Karunakaran, M; Pradeep, N; Behzad, AR; Hooghan, B; Sougrat, R; He, H; Peinemann, KV. (2011). From micelle supramolecular assemblies in selective solvents to isoporous membranes. *Langmuir*. 27: 10184-10190. <http://dx.doi.org/10.1021/la201439p>.
- O'Brien, AM; O'Fagain, C. (2000). Dye bleaching and phenol precipitation by phthalic anhydride-modified horseradish peroxidase. *J Chem Tech Biotechnol*. 75: 363-368.
- Ocana, DC; Martinezvidal, JL; Salinas, F. (1990). INFLUENCE OF THE DIELECTRIC-CONSTANT IN DIOXANE WATER MEDIA ON THE DISSOCIATION-CONSTANTS OF N-PHENYL-ACETYL-MANDELOHYDROXAMIC ACID. *Ann Chim*. 80: 473-480.
- Ogawa, H; Murakami, S; Takigawa, T; Ohba, M. (1997). Thermodynamic properties of rigid polycyclic molecules. 1: Enthalpies of solution of fused ring polycyclic aromatic hydrocarbons. *Fluid Phase Equilibria*. 136: 279-287.
- Ogawa, M; Takizawa, Y. (1999). Intercalation of alkylammonium cations into a layered titanate in the presence of macrocyclic compounds. *Chem Mater*. 11: 30-+.
- Oghbaie, M; Mirshokraie, SA; Massoudi, AH. (2015). Investigating the Stereochemistry of alpha-Carbon in Lignin Preparations and Lignin Model Compounds Using Se-77 NMR. *BioResources*. 10: 2506-2510. <http://dx.doi.org/10.15376/biores.10.2.2506-2510>.
- Okaji, R; Sakashita, S; Tazumi, K; Taki, K; Nagamine, S; Ohshima, M. (2013). Interconnected pores on the walls of a polymeric honeycomb monolith structure created by the unidirectional freezing of a binary polymer solution. *Journal of Materials Science*. 48: 2038-2045. <http://dx.doi.org/10.1007/s10853-012-6973-2>.
- Okamoto, K; Kita, H; Horii, K; Tanaka, K; Kondo, M. (2001). Zeolite NaA membrane: Preparation, single-gas permeation, and pervaporation and vapor permeation of water/organic liquid mixtures. *Ind Eng Chem Res*. 40: 163-175.
- Oliveira, AC; Coelho, MG; Pires, RF; Franco, MR, Jr. (2007). Solubility of benzoic acid in mixed solvents. *Journal of Chemical and Engineering Data*. 52: 298-300. <http://dx.doi.org/10.1021/je060408x>.
- Oliveira, L; Eutuguin, D; Cordeiro, N; Silvestre, AJD. (2009). Structural characterization of stalk lignin from banana plant. *Ind Crop Prod*. 29: 86-95. <http://dx.doi.org/10.1016/j.indcrop.2008.04.012>.
- Oliveira, L; Evtuguin, DV; Cordeiro, N; Silvestre, AJ; Silva, AM; Torres, IC. (2006). Structural characterization of lignin from leaf sheaths of "dwarf cavendish" banana plant. *J Agric Food Chem*. 54: 2598-2605. <http://dx.doi.org/10.1021/jf0528310>.
- Omori, S; Aoyama, M; Sakakibara, A. (1998). Hydrolysis of lignin with dioxane-water XIX. Reaction of beta-0-4 lignin model compounds in the presence of carbohydrates. *Holzforschung*. 52: 391-397.
- Onciu, M. (2007). Synthesis and characterization of novel aromatic polyamides containing pendent coumarin groups. *J Optoelect Adv Mater*. 9: 1014-1018.
- Ondo, D; Dohnal, V. (2007). Temperature dependence of limiting activity coefficients and Henry's law constants of cyclic and open-chain ethers in water. *Fluid Phase Equilibria*. 262: 121-136. <http://dx.doi.org/10.1016/j.fluid.2007.08.013>.
- Ong, R; Chung, T. (2012). Fabrication and positron annihilation spectroscopy (PAS) characterization of cellulose triacetate membranes for forward osmosis. *J Memb Sci*. 394: 230-240. <http://dx.doi.org/10.1016/j.memsci.2011.12.046>.
- Ong, YT; Ahmad, AL; Zein, SHS; Sudesh, K; Tan, SH. (2011). Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. *Separation and Purification Technology*. 76: 419-427. <http://dx.doi.org/10.1016/j.seppur.2010.11.013>.
- Oniki, T. (1998). Origin of free radicals produced from the syringyl end groups in lignins. *J Wood Sci*. 44: 314-319.
- Oniki, T; Takahama, U. (1994). EFFECTS OF REACTION-TIME, CHEMICAL-REDUCTION, AND OXIDATION ON ESR IN AQUEOUS-SOLUTIONS OF HUMIC ACIDS. *Soil Sci*. 158: 204-210.
- Oniki, T; Takahama, U. (1997). Free radicals produced by the oxidation of compounds containing syringyl and guaiacyl groups. 43: 493-498.
- Oniki, T; Takahama, U. (1997). Free radicals produced by the oxidation of dioxane lignins. 43: 499-503.
- Oomori, T; Kitano, Y. (1987). SYNTHESIS OF PROTODOLomite FROM SEA-WATER CONTAINING DIOXANE. *Geochemical Journal*. 21: 59-65.
- Ooyama, HE; Ide, T; Yamasaki, H; Harada, A; Nagahama, Y; Ono, A; Yoshida, K. (2012). Photophysical properties and photostability of novel symmetric polycyclicphenazine-type fluorescent dyes and the dye-doped films. *Dyes and Pigments*. 94: 103-112. <http://dx.doi.org/10.1016/j.dyepig.2011.11.010>.
- Ooyama, Y; Egawa, H; Yoshida, K. (2009). The design of a novel fluorescent PET sensor for proton and water: A phenylaminonaphtho[1,2-d]oxazol-2-yl-type fluorophore containing proton donor and acceptor groups. *Dyes and Pigments*. 82: 58-64. <http://dx.doi.org/10.1016/j.dyepig.2008.11.002>.
- Oppenlaender, T. (2007). Mercury-free sources of VUV/UV radiation: application of modern excimer lamps (excilamps) for water and air treatment. *J Environ Eng Sci*. 6: 253-264. <http://dx.doi.org/10.1139/S06-059>.
- Orabi, AS; Azab, HA. (1997). Potentiometric determination of the apparent dissociation constants of 3-(cyclohexylamino)-1-propanesulfonic acid and 3-(cyclohexylamino)-2-hydroxy-1-propanes acid in various hydroorganic media. *Journal of Chemical and Engineering Data*. 42: 1219-1223.
- Oromi-Farrus, M; Villorbina, G; Eras, J; Gatius, F; Torres, M; Canela, R. (2010). Determination of the iodine value of biodiesel using H-1 NMR with 1,4-dioxane as an internal standard. *Fuel*. 89: 3489-3492. <http://dx.doi.org/10.1016/j.fuel.2010.06.016>.
- Orzechowski, K; Szala, A. (2007). Non-linear dielectric effect in ice clathrates. *Journal of Non-Crystalline Solids*. 353: 4533-4535. <http://dx.doi.org/10.1016/j.jnoncrysol.2007.01.088>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- OSHA. (2004). Air contaminants: occupational safety and health standards for shipyard employment. (29 CFR 1915.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10286.
- OSHA. (2004). Appendix A. Safety and health regulations for construction: Gases, vapors, fumes, dusts, and mists. (29 CFR 1926.55, Appendix A). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10629.
- OSHA. (2004). Table Z-1: Limits for air contaminants. Occupational safety and health standards. (29 CFR 1910.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992.
- Oskoei, AG; Safaei, N; Ghasemi, J. (2008). Densities and viscosities for binary and ternary mixtures of 1, 4-dioxane plus 1-hexanol plus N,N-dimethylaniline from T = (283.15 to 343.15) K. *Journal of Chemical and Engineering Data*. 53: 343-349. <http://dx.doi.org/10.1021/jc700344f>.
- Oswal, SL; Oswal, P; Dave, JP. (1994). V(E) OF MIXTURES CONTAINING ALKYL ACETATE, OR ETHYL ALKANOATE, OR ETHYL BROMOALKANOATE WITH N-HEXANE. *Fluid Phase Equilibria*. 98: 225-234.
- Otsuka, T; Okuno, T; Awaga, K; Inabe, T. (1998). Crystal structures and magnetic properties of acid-base molecular complexes, (p-pyridyl nitronylnitroxide)(2)X (X = hydroquinone, fumaric acid and squaric acid). *J Mater Chem*. 8: 1157-1163.
- Otto, W; STREICHE, R; Schugerl, K. (1973). INFLUENCE OF SURFACE-ACTIVE AGENTS ON MASS-TRANSFER ACROSS LIQUID-LIQUID INTERFACES .1. DIOXANE-TOLUENE-WATER-SYSTEM. *Chem Eng Sci*. 28: 1777-1788.
- Ou, YX; Chen, B; Yan, H; Jia, HP; Li, JJ; Dong, S. (1995). DEVELOPMENT OF ENERGETIC ADDITIVES FOR PROPELLANTS IN CHINA. *Journal of Propulsion and Power*. 11: 838-847.
- Ouyang, P; Chen, G, uoXu; Li, H, uaF; Zhao, L, iTao. (2010). The tribological properties of (quinazolin-4-ones)-3-methyl-dibutyl borate as a novel additive in liquid paraffin. *Lubrication Science*. 22: 209-214. <http://dx.doi.org/10.1002/lis.130>.
- Ouyang, X; Ruan, T, ao; Qiu, X. (2016). Effect of solvent on hydrothermal oxidation depolymerization of lignin for the production of monophenolic compounds. *Fuel Process Tech*. 144: 181-185. <http://dx.doi.org/10.1016/j.fuproc.2015.12.019>.
- Ouyang, Y. (2002). Phytoremediation: modeling plant uptake and contaminant transport in the soil-plant-atmosphere continuum. *J Hydrol*. 266: 66-82. [http://dx.doi.org/10.1016/S0022-1694\(02\)00116-6](http://dx.doi.org/10.1016/S0022-1694(02)00116-6).
- Ouyang, Y. (2008). Modeling the mechanisms for uptake and translocation of dioxane in a soil-plant ecosystem with STELLA. *J Contam Hydrol*. 95: 17-29. <http://dx.doi.org/10.1016/j.jconhyd.2007.07.010>.
- Ovens, JS; Leznoff, DB. (2015). Raman Detected Sensing of Volatile Organic Compounds by Vapochromic Cu[AuX₂(CN)₂](2) (X = Cl, Br) Coordination Polymer Materials. *Chem Mater*. 27: 1465-1478. <http://dx.doi.org/10.1021/cm502998w>.
- Overton, JH; Kimbell, JS; Miller, FJ. (2001). Dosimetry modeling of inhaled formaldehyde: The human respiratory tract. *Toxicol Sci*. 64: 122-134.
- Ozawa, S; Sasaya, T. (1991). EXTRACTIVES OF TODOMATSU ABIES-SACHALINENSIS MASTERS .9. BRAUNS LIGNIN OF TODOMATSU ABIES-SACHALINENSIS. 37: 847-851.
- Paa, W; Yang, JP; Rentsch, S. (2001). Ultrafast intersystem crossing in thiophene oligomers investigated by fs-pump-probe spectroscopy. *Synthetic Metals*. 119: 525-526.
- PADOH. (2016). Health consultation: Evaluating Post-Filter Residential Water Samples Near Baghurst Drive National Priorities List Site, Upper Salford Township, Harleysville, Montgomery County, Pennsylvania. EPA Facility ID: PAN000306939. .
- Pahlavanzadeh, H; Kamran-Pirzaman, A; Mohammadi, AH. (2012). Thermodynamic modeling of pressure-temperature phase diagrams of binary clathrate hydrates of methane, carbon dioxide or nitrogen plus tetrahydrofuran, 1,4-dioxane or acetone. *Fluid Phase Equilibria*. 320: 32-37. <http://dx.doi.org/10.1016/j.fluid.2012.01.010>.
- Pajevic, S; Bansil, R; Konak, C. (1991). DIFFUSION OF LINEAR POLYMER-CHAINS IN GELS. *Journal of Non-Crystalline Solids*. 131: 630-634.
- Pal, A; Singh, W. (1996). Excess molar volumes of linear and cyclic ethers plus chloroethenes at 298.15 K. *Journal of Chemical and Engineering Data*. 41: 428-430.
- Palkhiwala, AG; Lin, YH; Perlmutter, DD; Olson, DH. (1999). Liquid phase separation of polar hydrocarbons from light aromatics using zeolites. *Adsorption*. 5: 399-407.
- Paluch, AS; Cryan, D, anD III; Maginn, EJ. (2011). Predicting the Solubility of the Sparingly Soluble Solids 1,2,4,5-Tetramethylbenzene, Phenanthrene, and Fluorene in Various Organic Solvents by Molecular Simulation. *Journal of Chemical and Engineering Data*. 56: 1587-1595. <http://dx.doi.org/10.1021/jc101251n>.
- Pan, A; Naskar, B; Prameela, GKS; Kumar, BVN, P; Mandal, AB; Bhattacharya, SC; Moulik, SP. (2012). Amphiphile Behavior in Mixed Solvent Media I: Self-Aggregation and Ion Association of Sodium Dodecylsulfate in 1,4-Dioxane-Water and Methanol-Water Media. *Langmuir*. 28: 13830-13843. <http://dx.doi.org/10.1021/la303281d>.
- Papanastasiou, GE; Ziogas, II. (1991). PHYSICAL BEHAVIOR OF SOME REACTION MEDIA - DENSITY, VISCOSITY, DIELECTRIC-CONSTANT, AND REFRACTIVE-INDEX CHANGES OF ETHANOL CYCLOHEXANE MIXTURES AT SEVERAL TEMPERATURES. *Journal of Chemical and Engineering Data*. 36: 46-51.
- Park, D, aeHo. (2007). A new process for fabricating nanodot arrays on selective regions with diblock copolymer thin film. *Nanotechnology*. 18. <http://dx.doi.org/10.1088/0957-4484/18/36/365303>.
- Park, H; Kwon, O; Ryu, K. (2015). Thermal stability and degradation kinetics of polyphenols and polyphenylenediamines enzymatically synthesized by horseradish peroxidase. *Korean J Chem Eng*. 32: 1847-1852. <http://dx.doi.org/10.1007/s11814-015-0011-4>.
- Park, JH; Hussam, A; Couasnon, P; Fritz, D; Carr, PW. (1987). Experimental reexamination of selected partition coefficients from Rohrschneider's data set. *Anal Chem*. 59: 1970-1976. <http://dx.doi.org/10.1021/ac00142a016>.
- Park, JY; Lee, CH; Yoo, KP; Lim, JS. (2005). The effect of adding organic solvents on the phase behavior in water/surfactant/scCO₂ microemulsion in supercritical state. *Key Eng Mater*. 277-279: 886-892.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Park, KH, ee; Mondal, S; Ghosh, S; Das, S; Bhaumik, A. (2016). Enhanced efficiency in dye-sensitized solar cells based on mesoporous titanium phosphate photoanode. *Microporous and Mesoporous Materials*. 225: 255-260. <http://dx.doi.org/10.1016/j.micromeso.2015.11.059>.
- Partoon, B; Sabil, KM; Roslan, H; Lal, B; Keong, L, auKok. (2016). Impact of acetone on phase boundary of methane and carbon dioxide mixed hydrates. *Fluid Phase Equilibria*. 412: 51-56. <http://dx.doi.org/10.1016/j.fluid.2015.12.027>.
- Partsevskaya, SV; Zheltonozhskaya, TB; Permyakova, NM; Kolendo, AY. (2011). Biocompatible and biodegradable MOPEO-b-PCL diblock copolymer micelles as nanocontainers for drugs. *Materwiss Werksttech*. 42: 123-130. <http://dx.doi.org/10.1002/mawe.201100743>.
- Pasquini, D; Pimenta, MTB; Ferreira, LH; Curvelo, AAD. (2005). Extraction of lignin from sugar cane bagasse and Pinus taeda wood chips using ethanol-water mixtures and carbon dioxide at high pressures. *Journal of Supercritical Fluids*. 36: 31-39. <http://dx.doi.org/10.1016/j.supflu.2005.03.004>.
- Pasquini, D; Pimenta, MTB; Ferreira, LH; Curvelo, AAS. (2005). Sugar cane bagasse pulping using supercritical CO₂ associated with co-solvent 1-butanol/water. *Journal of Supercritical Fluids*. 34: 125-131. <http://dx.doi.org/10.1016/j.supflu.2004.11.005>.
- Patil, MB; Veerapur, RS; Bhat, SD; Madhusoodana, CD; Aminabhavi, TM. (2009). Hybrid composite membranes of sodium alginate for pervaporation dehydration of 1,4-dioxane and tetrahydrofuran. *Desalination and Water Treatment*. 3: 11-20.
- Patil, RD; Joshi, G; Adimurthy, S. (2010). HBr-H₂O₂: A Facile Protocol for Regioselective Synthesis of Bromohydrins and alpha-Bromoketones and Oxidation of Benzylic/Secondary Alcohols to Carbonyl Compounds under Mild Aqueous Conditions. *Ind Eng Chem Res*. 49: 8100-8105. <http://dx.doi.org/10.1021/ie100492r>.
- Patton, S; Li, W, ei; Couch, KD; Mezyk, SP; Ishida, KP; Liu, H. (2017). Impact of the Ultraviolet Photolysis of Monochloramine on 1,4-Dioxane Removal: New Insights into Potable Water Reuse. *Environ Sci Technol Lett*. 4: 26-30. <http://dx.doi.org/10.1021/acs.estlett.6b00444>.
- Patwardhan, AP; Thompson, DH. (2000). Novel flexible and rigid tetraether acyclic and macrocyclic bisphosphocholines: Synthesis and monolayer properties. *Langmuir*. 16: 10340-10350.
- Pavia, FC; La Carrubba, V; Brucato, V. (2009). TUNING OF BIODEGRADATION RATE OF PLLA SCAFFOLDS VIA BLENDING WITH PLA. *International Journal of Material Forming*. 2: 713-716. <http://dx.doi.org/10.1007/s12289-009-0574-x>.
- Pavia, FC; La Carrubba, V; Brucato, V; Ghersi, G. (2009). TAILORING PLLA SCAFFOLDS FOR TISSUE ENGINEERING APPLICATIONS: MORPHOLOGIES FOR 2D AND 3D CELL CULTURES. *International Journal of Material Forming*. 2: 717-720. <http://dx.doi.org/10.1007/s12289-009-0546-1>.
- Pavia, FC; La Carrubba, V; Piccarolo, S; Brucato, V. (2008). Polymeric scaffolds prepared via thermally induced phase separation: tuning of structure and morphology. *J Biomed Mater Res A*. 86: 459-466. <http://dx.doi.org/10.1002/jbm.a.31621>.
- Pavlov, OS; Karsakov, SA; Pavlov, SY, u. (2011). A new technology for the production of isoprene from isobutene-containing C-4 fractions and formaldehyde: Prospects for industrial reconstruction. *Theoretical Foundations of Chemical Engineering*. 45: 487-491. <http://dx.doi.org/10.1134/S0040579510051264>.
- Pawlowicz, R. (2012). The electrical conductivity of seawater at high temperatures and salinities. *Desalination*. 300: 32-39. <http://dx.doi.org/10.1016/j.desa1.2012.06.001>.
- Peleteiro, S; da Costa Lopes, AM; Garrote, G, il; Parajo, JC; Bogel-Lukasik, R. (2015). Simple and Efficient Furfural Production from Xylose in Media Containing 1-Butyl-3-Methylimidazolium Hydrogen Sulfate. *Ind Eng Chem Res*. 54: 8368-8373. <http://dx.doi.org/10.1021/acs.iecr.5b01771>.
- Penas, A; Calvo, E; Pintos, M; Amigo, A; Bravo, R. (2000). Refractive indices and surface tensions of binary mixtures of 1,4-dioxane plus n-alkanes at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 682-685.
- Perestrelo, R; Barros, AS; Câmara, JS; Rocha, SM. (2011). In-depth search focused on furans, lactones, volatile phenols, and acetals as potential age markers of Madeira wines by comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry combined with solid phase microextraction. *J Agric Food Chem*. 59: 3186-3204. <http://dx.doi.org/10.1021/jf104219t>.
- Pérez-Prior, MT; Manso, JA; García-Santos, M; Calle, E; Casado, J. (2005). Alkylating potential of potassium sorbate. *J Agric Food Chem*. 53: 10244-10247. <http://dx.doi.org/10.1021/jf052152p>.
- Perra, B; Haluk, JP; Metche, M. (1993). EXTRACTION OF SUBERIN AND LIGNIN FROM BEECH BARKS (FAGUS-SYLVATICA L). *Holzforschung*. 47: 486-490.
- Perra, B; Haluk, JP; Metche, M. (1995). IR,H-1 AND C-13 NMR SPECTROSCOPIC STUDIES OF SUBERIN FROM BEECH BARKS (FAGUS-SYLVATICA L). *Holzforschung*. 49: 99-103.
- Perschke, H; Hussain, M. (1992). CHEMICAL ISOMERIZATION OF DELTAMETHRIN IN ALCOHOLS. *J Agric Food Chem*. 40: 686-690.
- Pesic, M; Lopez, C; Alvaro, G. (2012). Chloroperoxidase catalyzed oxidation of Cbz-ethanolamine to Cbz-glycinal. *Biochem Eng J*. 67: 218-224. <http://dx.doi.org/10.1016/j.bej.2012.06.019>.
- Piasecki, A; Mayhew, A. (2000). Synthesis and surface properties of chemodegradable anionic surfactants: Diastereomeric (2-n-alkyl-1,3-dioxan-5-yl) sulfates with monovalent counter-ions. *Journal of Surfactants and Detergents*. 3: 59-65.
- Piasecki, A; Sokolowski, A; Burczyk, B; Gancarz, R; Kotlewska, U. (1997). Synthesis, surface properties, and hydrolysis of chemodegradable anionic surfactants: Diastereomerically pure sodium cis- and trans-(2-n-alkyl-1,3-dioxan-5-yl) sulfates. *Langmuir*. 13: 1434-1439.
- Pineider, F; Mannini, M; Danieli, C; Armelao, L; Piras, FM; Magnani, A; Cornia, A; Sessoli, R. (2010). Deposition of intact tetrairon(III) single molecule magnet monolayers on gold: an STM, XPS, and ToF-SIMS investigation. *J Mater Chem*. 20: 187-194. <http://dx.doi.org/10.1039/b916895h>.
- Pineiro, A; Olvera, A; Garcia-Miaja, G; Costas, A. (2001). Excess molar enthalpies of tetrahydrofuran or diisopropyl ether+1-alkanols at 298.15 K, using a newly designed flow mixing cell for an isothermal microcalorimeter. *Journal of Chemical and Engineering Data*. 46: 1274-1279.
- Platz, J; Sehested, J; Mogelberg, T; Nielsen, OJ; Wallington, TJ. (1997). Atmospheric chemistry of 1,4-dioxane. *Faraday Trans 1*. 93: 2855-2863. <http://dx.doi.org/10.1039/a700598i>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Plazas Bonilla, CE; Trujillo, S; Demirdögen, B; Perilla, JE; Murat Elcin, Y; Gómez Ribelles, JL. (2014). New porous polycaprolactone-silica composites for bone regeneration. *Mater Sci Eng C*. 40: 418-426. <http://dx.doi.org/10.1016/j.msec.2014.04.024>.
- Ploesser, J; Lucas, M; Claus, P. (2014). Highly selective menthol synthesis by one-pot transformation of citronellal using Ru/H-BEA catalysts. *J Catal*. 320: 189-197. <http://dx.doi.org/10.1016/j.jcat.2014.10.007>.
- Plucinski, PK; Bavykin, DV; Kolaczowski, ST; Lapkin, AA. (2005). Application of a structured multifunctional reactor for the oxidation of a liquid organic feedstock. *Catalysis Today*. 105: 479-483. <http://dx.doi.org/10.1016/j.cattod.2005.06.021>.
- Pokorna, V; Vyprachticky, D; Pecka, J. (2001). Aggregation of poly(γ -benzyl L-glutamates)s followed by time-resolved emission anisotropy. *Macromol Biosci*. 1: 185-190.
- Pokrovskii, VA. (1999). Calculation of the standard partial molal thermodynamic properties and dissociation constants of aqueous HClO and HBrO at temperatures to 1000 degrees C and pressures to 5 kbar. *Geochim Cosmo Acta*. 63: 1107-1115.
- Polaczek, J; Talbiersky, J; Domanowski, W; Pielichowski, J; Machowska, Z. (2003). Studies on catalytic liquid-phase oxidation of anthracene. *Przemysł Chemiczny*. 82: 342-346.
- Powell, J. R.; Miller, BJ; Acree, WE. (1995). SOLUBILITY OF ANTHRACENE IN BINARY ALCOHOL PLUS 1,4-DIOXANE SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 40: 1124-1126.
- Pozzi, R; Bocchini, P; Pinelli, F; Galletti, GC. (2006). Rapid analysis of tile industry gaseous emissions by ion mobility spectrometry and comparison with solid phase micro-extraction/gas chromatography/mass spectrometry. *J Environ Monit*. 8: 1219-1226. <http://dx.doi.org/10.1039/b609850a>.
- Pradhan, R; Kamath, A; Brahman, D; Sinha, B. (2015). Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2-disubstituted ethanes at T = (298.15, 308.15 and 318.15) K. *Fluid Phase Equilibria*. 404: 131-140. <http://dx.doi.org/10.1016/j.fluid.2015.06.041>.
- Prasad, TEV; Kumar, SS; Goud, MBP; Kumar, PA; Srinivas, A; Reddy, PS; Prasad, DHL. (2003). Bubble temperature measurements on binary mixtures formed by cyclohexane at 94.7 kPa. *Journal of Chemical and Engineering Data*. 48: 351-353. <http://dx.doi.org/10.1021/je020148t>.
- Prazeres, TJ; Santos, AM; Martinho, JM; Elaissari, A; Pichot, C. (2004). Adsorption of oligonucleotides on PMMA/PNIPAM core-shell latexes: polarity of the PNIPAM shell probed by fluorescence. *Langmuir*. 20: 6834-6840. <http://dx.doi.org/10.1021/la049609u>.
- Pribyla, KJ; Spurgin, MA; Chuca, I; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus cyclohexane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 971-973. <http://dx.doi.org/10.1021/je000084r>.
- Pribyla, KJ; Spurgin, MA; Chuca, I; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus heptane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 965-967.
- Pribyla, KJ; Van, TT; Ezell, C; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus 2,2,4-trimethylpentane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 968-970.
- Priddle, MW; Jackson, RE. (1991). Laboratory column measurement of VOC retardation factors and comparison with field values. *Ground Water*. 29: 260-266.
- Priddle, MW; Lesage, S; Jackson, RE. (1992). ANALYSIS OF OXYGENATED SOLVENTS IN GROUNDWATER BY DYNAMIC THERMAL STRIPPING-GC-MSD. *Int J Environ Anal Chem*. 49: 117-123.
- Prochazka, K; Labsky, J; Tuzar, Z. (1995). LIGHT-SCATTERING AND TIME-RESOLVED FLUORESCENCE STUDY OF THE BEHAVIOR OF A FLUORESCENTLY TAGGED POLY(METHYL METHACRYLATE) SAMPLE IN POLAR ORGANIC-SOLVENTS. *Langmuir*. 11: 1584-1588.
- Prodanovic, O; Spasojevic, D; Prokopijevic, M; Radotic, K; Markovic, N; Blazic, M; Prodanovic, R. (2015). Tyramine modified alginates via periodate oxidation for peroxidase induced hydrogel formation and immobilization. *React Funct Polym*. 93: 77-83. <http://dx.doi.org/10.1016/j.reactfunctpolym.2015.06.004>.
- Profir, VM; Rasmuson, AC. (2006). Crystallization of stable and metastable phases of phenylsuccinic acid. *Cryst Growth Des*. 6: 1143-1153. <http://dx.doi.org/10.1021/cg050089q>.
- Prokopijevic, M; Prodanovic, O; Spasojevic, D; Stojanovic, Z; Radotic, K; Prodanovic, R. (2014). Soybean hull peroxidase immobilization on macroporous glycidyl methacrylates with different surface characteristics. *Bioprocess Biosyst Eng*. 37: 799-804. <http://dx.doi.org/10.1007/s00449-013-1050-z>.
- Provan, GJ; Scobbie, L; Chesson, A. (1994). DETERMINATION OF PHENOLIC-ACIDS IN PLANT-CELL WALLS BY MICROWAVE DIGESTION. *J Sci Food Agric*. 64: 63-65.
- Prozil, SO; Evtuguin, DV; Silva, AM; Lopes, LP. (2014). Structural characterization of lignin from grape stalks (*Vitis vinifera* L.). *J Agric Food Chem*. 62: 5420-5428. <http://dx.doi.org/10.1021/jf502267s>.
- Pu, SJ; Shiraishi, N. (1993). LIQUEFACTION OF WOOD WITHOUT A CATALYST .1. TIME-COURSE OF WOOD LIQUEFACTION WITH PHENOLS AND EFFECTS OF WOOD PHENOL RATIOS. 39: 446-452.
- Pu, Y; Anderson, S; Lucia, L; Ragauskas, A. (2003). Fundamentals of photobleaching lignin. Part I: Photobehaviours of acetylated softwood BCTMP lignin. *Journal of Pulp & Paper Science*. 29: 401-406.
- Pugazhendhi, P; Suryanarayana, CV. (1992). ELECTRICAL CONDUCTANCE AND COHESIVE ENERGY OF TETRAALKYLAMMONIUM SALTS IN WATER-PARA-DIOXANE MIXTURES. 30: 209-216.
- Pulat, M; Ekmekci, A; Aslim, B. (2006). The release of bovine serum albumin from polyurethane based hydrophilic and hydrophobic disks and microbiological interactions. *Biomed Mater Eng*. 16: 147-156.
- Pundlik, MD; Sitharaman, B; Kaur, I. (2001). Gas chromatographic determination of 1,4-dioxane in benzene. *Journal of Sci Ind Res*. 60: 401-404.
- Qi, Y; Xu, X; Li, N; Fang, Y. (2012). Hydrolysis Kinetics of 2-Propyl-1,3-Dioxane for Downstream Separation of 1,3-Propanediol. *Separation Science and Technology*. 47: 584-590. <http://dx.doi.org/10.1080/01496395.2011.627906>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Qian, JW; Miao, YM; Zhang, L; Chen, HL. (2002). Influence of viscosity slope coefficient of CA and its blends in dilute solutions on permeation flux of their films for MeOH/MTBE mixture. *J Memb Sci.* 203: 167-173.
- Qian, Y; Qiu, X; Zhong, X; Zhang, D; Deng, Y; Yang, D; Zhu, S. (2015). Lignin Reverse Micelles for UV-Absorbing and High Mechanical Performance Thermoplastics. *Ind Eng Chem Res.* 54: 12025-12030. <http://dx.doi.org/10.1021/acs.iecr.5b03360>.
- Qiu, F; Yang, J; Huang, G; Hu, H; Yu, S; Zhao, H; Li, R. (2014). Measurement of Solid-Liquid Phase Equilibrium for the Ternary 3-Nitrophthalic Anhydride+4-Nitrophthalic Anhydride+1,4-Dioxane System. *Journal of Chemical and Engineering Data.* 59: 1583-1587. <http://dx.doi.org/10.1021/je500171d>.
- Qiu, T; Kuang, C, hui; Li, CG; Zhang, X, wu; Wang, X, da. (2013). Study on Feasibility of Reactive Distillation Process for the Direct Hydration of Cyclohexene to Cyclohexanol Using a Cosolvent. *Ind Eng Chem Res.* 52: 8139-8148. <http://dx.doi.org/10.1021/ie303144k>.
- Qiu, T; Li, S, uJ; Li, S, huY; Wu, Y, anX. (2009). Liquid-liquid phase equilibria of the ternary system of water/1,4-dioxane/dihydromyrcene. *Fluid Phase Equilibria.* 280: 84-87. <http://dx.doi.org/10.1016/j.fluid.2009.03.017>.
- Qiu, T; Wang, X, da; Tian, H, ui; Huang, Z, hiX. (2012). Liquid-liquid equilibrium for the system water plus 1,4-dioxane plus cyclohexanol over the temperature range of 313.2-343.2K. *Fluid Phase Equilibria.* 324: 28-32. <http://dx.doi.org/10.1016/j.fluid.2012.03.010>.
- Qiu, Z, hiC; Zhang, JJ; Niu, Y; Huang, C, aiLi; Yang, K, eKe; Wang, Y, uZ. (2011). Preparation of Poly(p-dioxanone)/Sepiolite Nanocomposites with Excellent Strength/Toughness Balance via Surface-Initiated Polymerization. *Ind Eng Chem Res.* 50: 10006-10016. <http://dx.doi.org/10.1021/ie200106f>.
- Quen, H, anLi; Raj, BC. (2006). Evaluation of UV/O-3 and UV/H2O2 processes for nonbiodegradable compounds: Implications for integration with biological processes for effluent treatment. *Chemical Engineering Communications.* 193: 1263-1276. <http://dx.doi.org/10.1080/00986440500440207>.
- Quesada-Medina, J; López-Cremades, FJ; Olivares-Carrillo, P. (2010). Organosolv extraction of lignin from hydrolyzed almond shells and application of the delta-value theory. *Bioresour Technol.* 101: 8252-8260. <http://dx.doi.org/10.1016/j.biortech.2010.06.011>.
- Quintana, J; Vegué, L; Martín-Alonso, J; Paraira, M; Boleda, MR; Ventura, F. (2016). Odor Events in Surface and Treated Water: The Case of 1,3-Dioxane Related Compounds. *Environ Sci Technol.* 50: 62-69. <http://dx.doi.org/10.1021/acs.est.5b03409>.
- Quintana, JR; Janez, MD; Katime, I. (1996). Micellization of polystyrene-block-poly(ethylene/propylene) in toluene solutions of polystyrene. *Langmuir.* 12: 2196-2199.
- Radwan, A; Willey, RJ; Davies, G. (1999). Characteristics of sequential, solvent pre-extraction in the isolation of humic acid from the alga *Pilayella littoralis*. *Chemical Engineering Communications.* 172: 41-64.
- Radwan, A; Willey, RJ; Davies, G; Fataftah, A; Ghabbour, EA; Jansen, SA. (1996). Supercritical fluid CO2 extraction accelerates isolation of humic acid from live *Pilayella littoralis* (Phaeophyta). *J Appl Phycol.* 8: 545-551.
- Rafati, AA; Ghasemian, E; Iloukhani, H. (2009). Surface Tension and Surface Properties of Binary Mixtures of 1,4-Dioxane or N,N-Dimethyl Formamide with n-Alkyl Acetates. *Journal of Chemical and Engineering Data.* 54: 3224-3228. <http://dx.doi.org/10.1021/je9002114>.
- Raghavaiah, CV; Chiranjivi, C; Rao, GH. (1978). ISOBARIC VAPOR-LIQUID-EQUILIBRIA OF NORMAL-BUTANOL-1,1,2,2-TETRACHLOROETHANE AND 1,4-DIOXANE-1,1,2,2-TETRACHLOROETHANE SYSTEMS. 16: 300-302.
- Raghu, MS; Basavaiah, K. (2011). Two charge-transfer complexation reactions for spectrophotometric determination of pheniramine maleate using pi-acceptors. *Journal of Sci Ind Res.* 70: 851-858.
- Rahaman, MN; Fu, Q. (2008). Manipulation of Porous Bioceramic Microstructures by Freezing of Suspensions Containing Binary Mixtures of Solvents. *Journal of the American Ceramic Society.* 91: 4137-4140. <http://dx.doi.org/10.1111/j.1551-2916.2008.02795.x>.
- Raj, CBC; Ramkumar, N; Siraj, AHJ; Chidambaram, S. (1997). Biodegradation of acetic, benzoic, isophthalic, toluic and terephthalic acids using a mixed culture: Effluents of PTA production. *Process Saf Environ Protect.* 75: 245-256.
- Raja, SS; Kubendran, TR. (2004). Viscosities and densities of binary mixtures of 1,4-dioxane, carbon tetrachloride, and butanol at 303.15 K, 308.15 K, and 313.15 K. *Journal of Chemical and Engineering Data.* 49: 421-425.
- Rajendran, G; Kalidas, C. (1986). SOLVATION ENERGIES AND SOLVENT TRANSPORT NUMBERS OF SILVER(I) SULFATE AND SILVER(I) ACETATE IN ACETONITRILE, DIMETHYLSULFOXIDE, AND THEIR MIXTURES WITH DIOXANE. *Journal of Chemical and Engineering Data.* 31: 226-229.
- Rallo, F; Rodante, F. (1972). CALORIMETRIC STUDY OF WATER-DIMETHYLSULFOXIDE ADDUCTS IN DIOXANE SOLUTION. *Ann Chim.* 62: 221-&.
- Ramakrishna, C; Krishna, R; Gopi, T; Swetha, G; Saini, B; Shekar, SC; Srivastava, A. (2016). Complete oxidation of 1,4-dioxane over zeolite-13X-supported Fe catalysts in the presence of air. *Chinese journal of catalysis.* 37: 240-249. [http://dx.doi.org/10.1016/S1872-2067\(15\)61030-0](http://dx.doi.org/10.1016/S1872-2067(15)61030-0).
- Ramalingam, S; Rajendran, S; Ganesan, P. (2016). Improving the performance is better and emission reductions from Annona biodiesel operated diesel engine using 1,4-dioxane fuel additive. *Fuel.* 185: 804-809. <http://dx.doi.org/10.1016/j.fuel.2016.08.049>.
- Ramaraju, B; Karuppiyah, J; Reddy, EL; Reddy, PMK; Subrahmanyam, C, h. (2012). Removal of mixture of VOCs by nonthermal plasma. *Composite Interfaces.* 19: 271-277. <http://dx.doi.org/10.1080/15685543.2012.699762>.
- Ramaraju, B; Subrahmanyam, C, h. (2014). Catalytic non-thermal plasma reactor for stripping the VOCs from air. *Composite Interfaces.* 21: 651-658. <http://dx.doi.org/10.1080/15685543.2014.927716>.
- Ramesh, S; Sivasamy, A; Kim, J. (2012). Synthesis and characterization of maleimide-functionalized polystyrene-SiO2/TiO2 hybrid nanocomposites by sol-gel process. *Nanoscale Res Lett.* 7: 350. <http://dx.doi.org/10.1186/1556-276X-7-350>.
- Ramírez, N; Marcé, RM; Borull, F. (2011). Determination of volatile organic compounds in industrial wastewater plant air emissions by multi-sorbent adsorption and thermal desorption-gas chromatography-mass spectrometry. *Int J Environ Anal Chem.* 91: 911-928. <http://dx.doi.org/10.1080/03067310903584073>.
- Ramon, G; Jacobs, A; Molete, RP; Nassimbeni, LR; Taljaard, JH. (2009). INCLUSION OF DIOXANE AND PYRIDINE BY A TRICYCLIC HOST STRUCTURES, KINETICS AND SELECTIVITY. *Ann Chimie Sci Materiaux.* 34: 429-440. <http://dx.doi.org/10.3166/acsm.34.429-440>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Ramos, LP; Mathias, AL; Silva, FT; Cotrim, AR; Ferraz, AL; Chen, CL. (1999). Characterization of residual lignin after SO₂-catalyzed steam explosion and enzymatic hydrolysis of Eucalyptus viminalis wood chips. *J Agric Food Chem.* 47: 2295-2302.
- Rampon, DS; Rodembusch, FS; Schneider, JMF, M; Bechtold, IH; Goncalves, PFB; Merlo, AA; Schneider, PH. (2010). Novel selenoesters fluorescent liquid crystalline exhibiting a rich phase polymorphism. *J Mater Chem.* 20: 715-722. <http://dx.doi.org/10.1039/b917366h>.
- Ramsey, JC; Andersen, ME. (1984). A physiologically based description of the inhalation pharmacokinetics of styrene in rats and humans. *Toxicol Appl Pharmacol.* 73: 159-175. [http://dx.doi.org/10.1016/0041-008X\(84\)90064-4](http://dx.doi.org/10.1016/0041-008X(84)90064-4).
- Rao, BM; Gajanan, K. (2002). A comparative kinetic and mechanistic study of saponification of industrially important esters viz., mono and distearates, oleostearates of glycol, glycerol and methyl salicylate in alcohol-water, dioxane-water, DMSO-water and DMF-water moieties. *Indian J Chem Tech.* 9: 297-305.
- Rao, BM; Gajanan, K; Mohan, KV. (2001). Kinetic and mechanistic studies of saponification of industrially important distearates, dilaurates of glycol, propylene glycol, glycerol and glyceryl oleostearates. *Indian J Chem Tech.* 8: 348-356.
- Rao, BM; Gajanan, K; Rao, TR. (2003). Kinetic and mechanistic studies of saponification of industrially important esters viz. diesters in alcohol-water and dioxane-water moieties - A novel mathematical approach for evaluation of concentrations of half-ester and end-products. *Indian J Chem Tech.* 10: 684-693.
- Rao, BR; Rathore, HS; Mital, S; Singh, YN. (2001). Thin-layer chromatography of heavy metal-diethyl dithiocarbamate complexes. *Indian J Chem Tech.* 8: 452-457.
- Rao, KP; Reddy, KS. (1987). EXCESS VOLUMES OF TRICHLOROETHYLENE WITH METHYLETHYLKETONE, DIETHYLKETONE, METHYLISOBUTYLKETONE, CYCLOHEXANONE AND 1,4-DIOXANE AT 298.15-K, 308.15-K AND 318.15-K. *Fluid Phase Equilibria.* 34: 265-272.
- Rao, KV; Ravi, MVA; Prasad, AR. (1998). Vapor-liquid equilibria of 2-propanol-1,4-dioxane mixtures. *Fluid Phase Equilibria.* 150: 775-787.
- Rao, PS; Smitha, B; Sridhar, S; Krishnaiah, A. (2006). Effect of blending ratio on pervaporative separation of 1,4-dioxane/water mixtures through PVA-PEI membranes. *Vacuum.* 81: 299-306. <http://dx.doi.org/10.1016/j.vacuum.2006.05.003>.
- Rao, PS; Sridhar, S; Krishnaiah, A. (2006). Preparation and performance of poly(vinyl alcohol)/polyethyleneimine blend membranes for the dehydration of 1,4-dioxane by pervaporation: Comparison with glutaraldehyde cross-linked membranes. *Separation and Purification Technology.* 48: 244-254. <http://dx.doi.org/10.1016/j.seppur.2005.07.031>.
- Raquez, JM; Degee, P; Dubois, P; Balakrishnan, S; Narayan, R. (2005). Melt-stable poly(1,4-dioxan-2-one) (Co)polymers by ring-opening polymerization via continuous reactive extrusion. *Polymer Engineering and Science.* 45: 622-629. <http://dx.doi.org/10.1002/pen.20312>.
- Rashid, A; White, ET; Howes, T; Litster, JD; Marziano, I. (2014). Effect of Solvent Composition and Temperature on the Solubility of Ibuprofen in Aqueous Ethanol. *Journal of Chemical and Engineering Data.* 59: 2699-2703. <http://dx.doi.org/10.1021/je400819z>.
- Rathi, P; Jouyban, A; Khoubnasabjafari, M; Kale, M. (2015). Solubility of Etoricoxib in Aqueous Solutions of 1,4-Butanediol, 1,4-Dioxane, N,N-Dimethylacetamide, N,N-Dimethylformamide, Dimethyl Sulfoxide, and Ethanol at 298.2 K. *Journal of Chemical and Engineering Data.* 60: 2128-2134. <http://dx.doi.org/10.1021/acs.jced.5b00201>.
- Rathnam, MV; Ambavadekar, DR; Nandini, M. (2013). Densities, Viscosities, and Sound Speed of Binary Mixtures of Hexyl Acetate with Tetrahydrofuran, 1,4-Dioxane, Anisole, and Butyl Vinyl Ether. *Journal of Chemical and Engineering Data.* 58: 3370-3377. <http://dx.doi.org/10.1021/je400539h>.
- Rathnam, MV; Mankumare, S; Kumar, MSS. (2010). Density, Viscosity, and Speed of Sound of (Methyl Benzoate plus Cyclohexane), (Methyl Benzoate plus n-Hexane), (Methyl Benzoate plus Heptane), and (Methyl Benzoate plus Octane) at Temperatures of (303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data.* 55: 1354-1358. <http://dx.doi.org/10.1021/je9006597>.
- Rathnam, MV; Mohite, S; Kumar, MS. (2010). Densities, Viscosities, and Refractive Indices of Binary Mixtures of Diethyl Oxalate with Some Ketones at (303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data.* 55: 5946-5952. <http://dx.doi.org/10.1021/je100715x>.
- Rattray, C; Cochran, J. (2015). CONCURRENT DETERMINATION OF 1,4-DIOXANE AND NITROSAMINE CONTAMINANTS IN DRINKING WATER. *Chem Eng News*14-16.
- Raus, V; Sturcova, A; Dybal, J; Slouf, M; Vackova, T; Salek, P; Kobera, L; Vlcek, P. (2012). Activation of cellulose by 1,4-dioxane for dissolution in N,N-dimethylacetamide/LiCl. *Cellulose.* 19: 1893-1906. <http://dx.doi.org/10.1007/s10570-012-9779-0>.
- Ravichandran, G; Lakshminarayanan, G; Ragouramane, D. (2013). Apparent molar volume and ultrasonic studies on some bile salts in water-aprotic solvent mixtures. *Fluid Phase Equilibria.* 356: 256-263. <http://dx.doi.org/10.1016/j.fluid.2013.07.041>.
- Ray, S; Ray, SK. (2006). Pervaporative dehydration of dimethyl formamide (DMF) by crosslinked copolymer membranes. *Ind Eng Chem Res.* 45: 7210-7218. <http://dx.doi.org/10.1021/ie060431b>.
- Reddy, BS; Rao, KV. (2008). Measurement and correlation of binary vapor-liquid equilibria of isomeric butanols with 1,4-dioxane. *Fluid Phase Equilibria.* 264: 76-85. <http://dx.doi.org/10.1016/j.fluid.2007.11.002>.
- Reddy, PM; Rao, BK; Narender, P; Satyanarayana, B. (2008). Studies on stability constants of binary and ternary complexes of 5-chloro-2-[(2-hydroxyethyl)imino] methyl]-phenol with coll, NiII, CuII and ZnII in presence of other chelating agents. *Res Journal Chem Environ.* 12: 73-76.
- Reddy, TS; Reddy, AR, am. (2013). Synthesis and fluorescence study of 6,7-diaminocoumarin and its imidazolo derivatives. *Dyes and Pigments.* 96: 525-534. <http://dx.doi.org/10.1016/j.dyepig.2012.08.021>.
- Rencoret, J; Prinsen, P; Gutiérrez, A; Martínez, ÁT; Del Río, JC. (2015). Isolation and structural characterization of the milled wood lignin, dioxane lignin, and cellulosytic lignin preparations from brewer's spent grain. *J Agric Food Chem.* 63: 603-613. <http://dx.doi.org/10.1021/jf505808c>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Repetto, SL; Patel, R; Johnson, T, im; Costello, JF; Lam, JKW; Chuck, CJ. (2016). Dual Action Additives for Jet A-1: Fuel Dehydrating Icing Inhibitors. *Energy Fuels*. 30: 9080-9088. <http://dx.doi.org/10.1021/acs.energyfuels.6b01727>.
- Reyes, A; Haro, M; Gascon, I; Artigas, H; Lafuente, C. (2003). Vapor-liquid equilibrium and volumetric measurements for binary mixtures of 1,4-dioxane with isomeric chlorobutanes. *Journal of Chemical and Engineering Data*. 48: 887-891. <http://dx.doi.org/10.1021/jc020185k>.
- Reza, M; Rojas, LG; Kontturi, E; Vuorinen, T; Ruokolainen, J. (2014). Accessibility of Cell Wall Lignin in Solvent Extraction of Ultrathin Spruce Wood Sections. 2: 804-808. <http://dx.doi.org/10.1021/sc400470m>.
- Rial-Hermida, MI; Oliveira, NM; Concheiro, A; Alvarez-Lorenzo, C; Mano, JF. (2014). Bioinspired superamphiphobic surfaces as a tool for polymer- and solvent-independent preparation of drug-loaded spherical particles. *Acta Biomater*. 10: 4314-4322. <http://dx.doi.org/10.1016/j.actbio.2014.06.009>.
- Ribeiro, T; Prazeres, TJV; Moffitt, M; Farinha, JPS. (2013). Enhanced Photoluminescence from Micellar Assemblies of Cadmium Sulfide Quantum Dots and Gold Nanoparticles. *J Phys Chem C*. 117: 3122-3133. <http://dx.doi.org/10.1021/jp311200r>.
- Riegel, IC; Eisenberg, A; Petzhold, CL; Samios, D. (2002). Novel bowl-shaped morphology of crew-cut aggregates from Amphiphilic block copolymers of styrene and 5-(N,N-diethylamino)isoprene. *Langmuir*. 18: 3358-3363. <http://dx.doi.org/10.1021/la015592t>.
- Ristic, IS; Tanasic, L; Nikolic, LB; Cacic, SM; Ilic, OZ; Radicevic, RZ; Budinski-Simendic, JK. (2011). The Properties of Poly(L-Lactide) Prepared by Different Synthesis Procedure. *Journal of Polymers and the Environment*. 19: 419-430. <http://dx.doi.org/10.1007/s10924-011-0297-1>.
- Rizvi, R; Kim, J, aeK; Naguib, H. (2010). The effect of processing and composition on the properties of polylactide-multiwall carbon nanotube composites prepared by solvent casting. *Smart Materials and Structures*. 19. <http://dx.doi.org/10.1088/0964-1726/19/9/094003>.
- Ro, AJ; Falotico, R; Davé, V. (2011). Microstructure and drug-release studies of sirolimus-containing poly(lactide-co-glycolide) films. *J Biomed Mater Res B Appl Biomater*. 97: 30-39. <http://dx.doi.org/10.1002/jbm.b.31777>.
- Robak, W; Apostoluk, W; Maciejewski, P; Pielka, JA; Kwiotek, JN. (2013). Linear Free Energy Relationship (LFER) Analysis of Dissociation Constants of 8-Hydroxyquinoline and Its Derivatives in Aqueous and Dioxane-Water Solutions. *Journal of Chemical and Engineering Data*. 58: 1470-1482. <http://dx.doi.org/10.1021/jc3009045>.
- Robbins, GP; Hallett, JP; Bush, D; Eckert, CA. (2007). Liquid-liquid equilibria and partitioning in organic-aqueous systems. *Fluid Phase Equilibria*. 253: 48-53. <http://dx.doi.org/10.1016/j.fluid.2007.01.003>.
- Robinson, JM; Wadle, AM; Reno, MD; Kidd, R; Hinsz, SRB; Urquieta, J. (2015). Solvent- and Microwave-Assisted Dehydrations of Polyols to Anhydro and Dianhydro Polyols. *Energy Fuels*. 29: 6529-6535. <http://dx.doi.org/10.1021/acs.energyfuels.5b02167>.
- Rodriguez, GA; Delgado, DR; Martinez, F; Jouyban, A; Acree, WE, Jr. (2012). Solubility of naproxen in ethyl acetate plus ethanol mixtures at several temperatures and correlation with the Jouyban-Acree model. *Fluid Phase Equilibria*. 320: 49-55. <http://dx.doi.org/10.1016/j.fluid.2012.02.009>.
- Rodriguez, S; Lafuente, C; Cea, P; Royo, FM; Urieta, JS. (1997). Densities and viscosities of binary mixtures of some cyclic ethers plus chlorocyclohexane at 298.15 and 313.15 K. *Journal of Chemical and Engineering Data*. 42: 1285-1289.
- Rodriguezvazquez, R; Areyzaga, M; Parada, A; Riosleal, E; Anguisterrazas, C. (1993). ISOLATION AND CHARACTERIZATION OF LIGNIN FROM RICE HULL. *J Sci Food Agric*. 62: 101-104.
- Romero, C; Villares, A; Haro, M; Giner, B; Lafuente, C. (2005). Experimental and predicted vapour-liquid equilibrium of 1,4-dioxane with cycloalkanes and benzene. *Fluid Phase Equilibria*. 238: 1-6. <http://dx.doi.org/10.1016/j.fluid.2005.09.010>.
- Romero, J; Ventura, F; Caixach, J; Romero, J; Gode, LX; Ninerola, JM. (1998). Identification of 1,3-dioxanes and 1,3-dioxolanes as malodorous compounds at trace levels in river water, groundwater, and tap water. *Environ Sci Technol*. 32: 206-216.
- Rondao, R; Sergio Seixas de Melo, J. (2013). Thio-Mayan-like Compounds: Excited State Characterization of Indigo Sulfur Derivatives in Solution and Incorporated in Palygorskite and Sepiolite Clays. *J Phys Chem C*. 117: 603-614. <http://dx.doi.org/10.1021/jp306209y>.
- Routray, C; Tosh, B. (2013). GRAFT COPOLYMERIZATION OF METHYL METHACRYLATE (MMA) ONTO CELLULOSE ACETATE IN HOMOGENEOUS MEDIUM: EFFECT OF SOLVENT, INITIATOR AND HOMOPOLYMER INHIBITOR. *Cellulose Chemistry and Technology*. 47: 171-190.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1994). BIODEGRADATION OF DIOXANE AND DIGLYME IN INDUSTRIAL-WASTE. *Journal of Environmental Science and Health, Part A: Environmental Science and Engineering and Toxi*. 29: 129-147.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1995). Analysis of respirometric data to obtain kinetic coefficients for biodegradation of 1,4-dioxane. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 30: 1775-1790. <http://dx.doi.org/10.1080/10934529509376301>.
- Roy, JW; Bickerton, G. (2010). Proactive screening approach for detecting groundwater contaminants along urban streams at the reach-scale. *Environ Sci Technol*. 44: 6088-6094. <http://dx.doi.org/10.1021/es101492x>.
- Roy, MN; Ghosh, G; Chakraborti, P. (2010). Study of Solution Properties of Some Alkali Bromides in Aqueous Binary Mixtures of 1,3-Dioxolane in View of Different Models. *Journal of Chemical and Engineering Data*. 55: 1649-1654. <http://dx.doi.org/10.1021/jc900709n>.
- Roy, MN; Pradhan, P; Das, RK; Sinha, B; Guha, PK. (2008). Ion-pair and triple-ion formation by some tetraalkylammonium iodides in binary mixtures of 1,4-dioxane plus tetrahydrofuran. *Journal of Chemical and Engineering Data*. 53: 1417-1420. <http://dx.doi.org/10.1021/jc7004787>.
- Roy, MN; Roy, PK; Sah, RS; Pradhan, P; Sinha, B. (2009). Ion Pair and Triple Ion Formation by Some Tetraalkylammonium Iodides in Binary Mixtures of Carbon Tetrachloride plus Nitrobenzene. *Journal of Chemical and Engineering Data*. 54: 2429-2435. <http://dx.doi.org/10.1021/jc800885h>.
- Roy, MN; Sinha, B; Dakua, VK. (2006). Excess molar volumes and viscosity deviations of binary liquid mixtures of 1,3-dioxolane and 1,4-dioxane with butyl acetate, butyric acid, butylamine, and 2-butanone at 298.15 K. *Journal of Chemical and Engineering Data*. 51: 590-594.
- Ruggiero, F; Netti, PA; Torino, E. (2015). Experimental Investigation and Thermodynamic Assessment of Phase Equilibria in the PLLA/Dioxane/Water Ternary System for Applications in the Biomedical Field. *Langmuir*. 31: 13003-13010. <http://dx.doi.org/10.1021/acs.langmuir.5b02460>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Ruhland, TM; Gröschel, AH; Walther, A; Müller, AH. (2011). Janus cylinders at liquid-liquid interfaces. *Langmuir*. 27: 9807-9814. <http://dx.doi.org/10.1021/la201863x>.
- Ruhmer, T; Giesemann, J; Schwieger, W; Schmutzler, K. (1999). Stereospecific polymerization of butadiene on supported allyl complexes of neodymium. *Kautschuk Gummi Kunststoffe*. 52: 420-+.
- Ruidiaz, MA; Delgado, DR; Martinez, F; Marcus, Y. (2010). Solubility and preferential solvation of indomethacin in 1,4-dioxane + water solvent mixtures. *Fluid Phase Equilibria*. 299: 259-265. <http://dx.doi.org/10.1016/j.fluid.2010.09.027>.
- Ruostesuo, P; Mattila, T. (1987). THERMODYNAMIC PROPERTIES OF BINARY-MIXTURES CONTAINING SULFUR AMIDE .2. EXCESS MOLAR VOLUMES OF 1,4-DIOXANE + N,N-DIMETHYLMETHANESULFINAMIDE AND 1,4-DIOXANE + N-METHYLMETHANESULFINAMIDE. *Journal of Chemical and Engineering Data*. 32: 241-243.
- Rutkowska, E, waW; Wollboldt, P; Zuckerstatter, G; Weber, HK; Sixta, H. (2009). CHARACTERIZATION OF STRUCTURAL CHANGES IN LIGNIN DURING CONTINUOUS BATCH KRAFT COOKING OF EUCALYPTUS GLOBULUS. *BioResources*. 4: 172-193.
- Rutnakornpituk, B; Wichai, U; Vilaivan, T; Rutnakornpituk, M. (2011). Surface-initiated atom transfer radical polymerization of poly(4-vinylpyridine) from magnetite nanoparticle. *J Nanopart Res*. 13: 6847-6857. <http://dx.doi.org/10.1007/s11051-011-0592-8>.
- Sachan, S. R.; Soman, SD. (1979). DECONTAMINATION AND RECOVERY OF 1,4 DIOXANE-BASED LIQUID SCINTILLATOR. *Health Phys*. 36: 62-68.
- Sack, TM; Steele, DH; Hammerstrom, K; Remmers, J. (1992). A survey of household products for volatile organic compounds. *Atmos Environ*. 26: 1063-1070. [http://dx.doi.org/10.1016/0960-1686\(92\)90038-M](http://dx.doi.org/10.1016/0960-1686(92)90038-M).
- Sadeghi, GMM; Morshedian, J; Barikani, M. (2006). The effect of solvent on the microstructure, nature of hydroxyl end groups and kinetics of polymerization reaction in synthesise of hydroxyl terminated polybutadiene. *React Funct Polym*. 66: 255-266. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.08.001>.
- Saeed, R; Masood, S; Siddiqui, NH. (2014). The Viscosity of Crude Oils in 1,4-Dioxan. *Petroleum Science and Technology*. 32: 688-695. <http://dx.doi.org/10.1080/10916466.2011.601509>.
- Safaei-Ghomi, J. (2010). ONE-POT PROTOCOL FOR THE PREPARATION OF ARYLSULFONYLSEMICARBAZIDES FROM SULFONYLHYDRAZIDES. *Digest Journal of Nanomaterials and Biostructures*. 5: 331-333.
- Safarzadeh-Amiri, A; Bolton, JR; Cater, SR. (1997). Ferrioxalate-mediated photodegradation of organic pollutants in contaminated water. *Water Res*. 31: 787-798.
- Sairam, M; Naidu, BVK; Nataraj, SK; Sreedhar, B; Aminabhavi, TM. (2006). Poly(vinyl alcohol)-iron oxide nanocomposite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. *J Memb Sci*. 283: 65-73. <http://dx.doi.org/10.1016/j.memsci.2006.06.013>.
- Sako, T; Yasumoto, M; Nakazawa, N; Kamizawa, C. (2001). Critical parameters and normal boiling temperatures of five fluorinated ethers and two fluorinated ketones. *Journal of Chemical and Engineering Data*. 46: 1078-1081. <http://dx.doi.org/10.1021/je000249w>.
- Sakurai, M. (1992). PARTIAL MOLAR VOLUMES FOR 1,4-DIOXANE PLUS WATER. *Journal of Chemical and Engineering Data*. 37: 492-496.
- Salabat, A; Soleimani, S. (2014). Ultrasonic irradiation and solvent effects on destabilization of colloidal suspensions of platinum nanoparticles. *Particuology*. 17: 145-148. <http://dx.doi.org/10.1016/j.partic.2014.02.002>.
- Salehi, M; Naseri-Nosar, M; Azami, M; Nodooshan, SJ; Arish, J. (2016). Comparative study of poly(L-lactic acid) scaffolds coated with chitosan nanoparticles prepared via ultrasonication and ionic gelation techniques. 13: 498-506. <http://dx.doi.org/10.1007/s13770-016-9083-4>.
- Salem, AEA; Omar, MM. (2003). Atomic absorption and spectrophotometric determinations of salicylhydroxamic acid in its pure and pharmaceutical dosage forms. *Turkish Journal of Chemistry*. 27: 383-393.
- Salinas, O; Ma, X; Litwiller, E; Pinnau, I. (2016). Ethylene/ethane permeation, diffusion and gas sorption properties of carbon molecular sieve membranes derived from the prototype ladder polymer of intrinsic microporosity (PIM-1). *J Memb Sci*. 504: 133-140. <http://dx.doi.org/10.1016/j.memsci.2015.12.052>.
- Sampaio, DA; Abreu, H, dosS; Silveira Augusto, LD; da Silva, B; Ibanez, CM. (2016). Approach on the integument lignin profile of seeds of *Araucaria angustifolia*. *Bosque*. 37: 549-555. <http://dx.doi.org/10.4067/S0717-92002016000300012>.
- Samuleviciene, M; Leinartas, K; Juzeliunas, E. (2000). Iron corrosion inhibition in acidic, highly saline geothermal water. *Corrosion Reviews*. 18: 13-22.
- Sangita, S; Ashish, P; Jasmin, B; Jayesh, R; Vora, JJ. (2010). Computer Augmented Modeling Studies on Complexes of Lanthanone ions with Creatinine in Dioxane-Water Mixtures. *Res Journal Chem Environ*. 14: 45-49.
- Sano, Y; Shimamoto, S. (1995). Mild hydrogenolysis of acetic acid lignin. 41: 1146-1150.
- Sansanwal, PK. (2006). Effect of co-solutes on the physico-chemical properties of surfactant solutions. *Journal of Sci Ind Res*. 65: 57-64.
- Santacesaria, E; Cozzolino, M; Di Serio, M; Venezia, AM; Tesser, R. (2004). Vanadium based catalysts prepared by grafting: preparation, properties and performances in the ODH of butane. *Appl Catal A-Gen*. 270: 177-192. <http://dx.doi.org/10.1016/j.apcata.2004.05.003>.
- Santos, MSC, S; Reis, JCR. (2016). A semi-empirical equation for describing the surface tension of aqueous organic liquid mixtures. *Fluid Phase Equilibria*. 423: 172-180. <http://dx.doi.org/10.1016/j.fluid.2016.04.025>.
- Saputra, H; Simonsen, J; Li, K. (2004). Effect of extractives on the flexural properties of wood/plastic composites. *Composite Interfaces*. 11: 515-524.
- Saraswathi, M; Rao, KM; Prabhakar, MN; Prasad, CV; Sudakar, K; Kumar, HMP, N; Prasad, M; Rao, KC; Subha, MCS. (2011). Pervaporation studies of sodium alginate (SA)/dextrin blend membranes for separation of water and isopropanol mixture. *Desalination*. 269: 177-183. <http://dx.doi.org/10.1016/j.desal.2010.10.059>.
- Sarker, MI; Fan, X; Liu, L. (2015). Boron derivatives: As a source of 1-MCP with gradual release. *Sci Hortic (Amsterdam)*. 188: 36-43. <http://dx.doi.org/10.1016/j.scienta.2015.03.017>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Sasaki, T; Morino, D; Tabata, N. (2011). Origin of Enhanced Cold Crystallization Rate for Freeze-Dried Poly(L-lactide) from Solutions. *Polymer Engineering and Science*. 51: 1858-1865. <http://dx.doi.org/10.1002/pen.21977>.
- Sastry, MCS; Rao, MSN. (1990). BINDING OF CHLOROGENIC ACID BY THE ISOLATED POLYPHENOL-FREE 11S PROTEIN OF SUNFLOWER (HELIANTHUS-ANNUUS) SEED. *J Agric Food Chem*. 38: 2103-2110.
- Sato, K. (1989). Glutathione transferases as markers of preneoplasia and neoplasia. *Adv Cancer Res*. 52: 205-255.
- Sauer, S; Saliba, S; Tussetschlaeger, S; Baro, A; Frey, W; Giesselmann, F; Laschat, S; Kantlehner, W. (2009). p-Alkoxybiphenyls with guanidinium head groups displaying smectic mesophases. *Liquid Crystals*. 36: 275-299. <http://dx.doi.org/10.1080/02678290902850027>.
- Sauer, S; Steinke, N; Baro, A; Laschat, S; Giesselmann, F; Kantlehner, W. (2008). Guanidinium chlorides with triphenylene moieties displaying columnar mesophases. *Chem Mater*. 20: 1909-1915. <http://dx.doi.org/10.1021/cm702967c>.
- Saulnier, B; Ponsart, S; Coudane, J; Garreau, H; Vert, M. (2004). Lactic acid-based functionalized polymers via copolymerization and chemical modification [Review]. *Macromol Biosci*. 4: 232-237. <http://dx.doi.org/10.1002/mabi.200300087>.
- Saxena, S; Shrivastava, R; Satsangee, SP. (2012). VOLTAMMETRIC BEHAVIOR AND DETERMINATION OF THE BRONCHODILATOR DOXOFYLLINE AT A BORON DOPED DIAMOND ELECTRODE. *Macedonian Journal of Chemistry and Chemical Engineering*. 31: 195-203.
- Schehlmann, MS; Wiedemann, E; Lichtenthaler, RN. (1995). PERVAPORATION AND VAPOR PERMEATION AT THE AZEOTROPIC POINT OR IN THE VICINITY OF THE LLE BOUNDARY PHASES OF ORGANIC/AQUEOUS MIXTURES. *J Memb Sci*. 107: 277-282.
- Scheithauer, A; Gruetzner, T; Rijksen, C; Zollinger, D; von Harbou, E; Thiel, WR; Hasse, H. (2014). NMR Spectroscopic Study of the Aldoxane Formation in Aqueous Acetaldehyde Solutions. *Ind Eng Chem Res*. 53: 8395-8403. <http://dx.doi.org/10.1021/ie5004043>.
- Scheu, S. (1992). DECOMPOSITION OF LIGNIN IN SOIL MICROCOMPARTMENTS - A METHODOLOGICAL STUDY WITH 3 DIFFERENT C-14-LABELED LIGNIN SUBSTRATES. *Biol Fertil Soils*. 13: 160-164.
- Schneider, R; Baumes, R; Bayonove, C; Razungles, A. (1998). Volatile compounds involved in the aroma of sweet fortified wines (Vins Doux Naturels) from Grenache noir. *J Agric Food Chem*. 46: 3230-3237.
- Schuchardt, U; Bianchi, ML; Goncalves, AR; Curvelo, AAS; Biscolla, FC; Peres, LO. (1995). Piassava fibers. (*Attalea funifera*) .1. Chemical analysis, extraction and reactivity of its lignin. *Cellulose Chemistry and Technology*. 29: 705-712.
- Schugens, C; Maquet, V; Grandfils, C; Jerome, R; Teyssie, P. (1996). Polylactide macroporous biodegradable implants for cell transplantation .2. Preparation of polylactide foams by liquid-liquid phase separation. *J Biomed Mater Res*. 30: 449-461.
- Schwank, M; Green, TR; Maetzler, C; Benedickter, H; Fluehler, H. (2006). Laboratory characterization of a commercial capacitance sensor for estimating permittivity and inferring soil water content. *Vadose Zone Journal*. 5: 1048-1064. <http://dx.doi.org/10.2136/vzj2006.0009>.
- Schweitzer, L; Noblet, J; Ye, Q; Ruth, E; Suffet, IH. (1999). The environmental fate and mechanism of formation of 2-ethyl-5,5'-dimethyl-1,3-dioxane (ZEDD) - A malodorous contaminant in drinking water. *Water Sci Technol*. 40: 217-224.
- Scott, CD; Scott, TC; Woodward, CA. (1993). THE CHEMICAL MODIFICATION OF ENZYMES TO ENHANCE SOLUBILIZATION IN ORGANIC-SOLVENTS FOR INTERACTION WITH COAL. *Fuel*. 72: 1695-1700.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (1998). Structural characterization of the bark and core lignins from kenaf (*Hibiscus cannabinus*). *J Agric Food Chem*. 46: 3100-3108.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (2000). Structural characterization of the lignin from the nodes and internodes of *Arundo donax* reed. *J Agric Food Chem*. 48: 817-824.
- See-Toh, YH; Silva, M; Livingston, A. (2008). Controlling molecular weight cut-off curves for highly solvent stable organic solvent nanofiltration (OSN) membranes. *J Memb Sci*. 324: 220-232. <http://dx.doi.org/10.1016/j.memsci.2008.07.023>.
- Sefcik, J; Rankin, SE; Kirchner, SJ; McCormick, AV. (1999). Esterification, condensation, and deprotonation equilibria of trimethylsilanol. *Journal of Non-Crystalline Solids*. 258: 187-197.
- Sekar, R; Dichristina, TJ. (2014). Microbially driven Fenton reaction for degradation of the widespread environmental contaminant 1,4-dioxane. *Environ Sci Technol*. 48: 12858-12867. <http://dx.doi.org/10.1021/es503454a>.
- Sekulić, J; ten Elshof, JE; Blank, DH. (2005). Selective pervaporation of water through a nonselective microporous titania membrane by a dynamically induced molecular sieving mechanism [Letter]. *Langmuir*. 21: 508-510. <http://dx.doi.org/10.1021/la047458p>.
- Sekulic, TD; Sarbu, C; Janjic, NP; Crvenkovic, ZL. (2009). Quantitative Structure-Retention Study of Some 2,4-dioxotetrahydro-1,3-thiazole Derivatives Using the Partial Least Squares Method. *Turkish Journal of Chemistry*. 33: 149-157.
- Seleem, HS. (2003). Stability constants and thermodynamic parameters of Mn²⁺, Co²⁺, Ni²⁺, Cu²⁺, Zn²⁺+Cd²⁺, UO₂²⁺, Th⁴⁺+Ce³⁺ and Pr³⁺-complexes with some Schiff base hydrazones containing the pyrimidine moiety. *Ann Chim*. 93: 305-314.
- Selim, S; Cook, RF. (1978). RESIDUE DETERMINATION OF A DIOXANE HERBICIDE IN SOIL AND SOYBEANS BY HIGH-PRESSURE LIQUID-CHROMATOGRAPHY. *J Agric Food Chem*. 26: 106-110.
- Semenov, AP; Medvedev, VI; Gushchin, PA; Kotelev, MS; Yakushev, VS; Stoporev, AS; Sizikov, AA; Ogienko, AG; Vinokurov, VA. (2017). Phase equilibrium for clathrate hydrate formed in methane plus water plus ethylene carbonate system. *Fluid Phase Equilibria*. 432: 1-9. <http://dx.doi.org/10.1016/j.fluid.2016.10.015>.
- Sengwa, RJ; Sankhla, S. (2007). Low-frequency dielectric response and chain dynamics study of poly(vinyl pyrrolidone)-poly(ethylene glycol) coexisting two-phase polymeric blends. *Indian Journal of Engineering and Materials Sciences*. 14: 317-323.
- Sengwa, RJ; Sankhla, S; Khatri, V. (2010). Static dielectric constants of the binary mixtures of N-methylformamide with water, ethyl alcohol, ethylene glycol, dimethylsulphoxide, acetone and 1,4-dioxane. *Philosophical Magazine Letters*. 90: 463-470. <http://dx.doi.org/10.1080/09500831003757782>.
- Seo, Y; Kang, SP, il; Lee, S; Lee, H. (2008). Experimental Measurements of Hydrate Phase Equilibria for Carbon Dioxide in the Presence of THF, Propylene Oxide, and 1,4-Dioxane. *Journal of Chemical and Engineering Data*. 53: 2833-2837. <http://dx.doi.org/10.1021/jc800566y>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Seo, YT; Kang, SP; Lee, H. (2001). Experimental determination and thermodynamic modeling of methane and nitrogen hydrates in the presence of THF, propylene oxide, 1,4-dioxane and acetone. *Fluid Phase Equilibria*. 189: 99-110.
- Serbanovic, SP; Grguric, IR; Kijevcanin, MLJ; Tasic, AZ; Djordjevic, BD. (2004). Thermodynamic modeling of vapor-liquid equilibria and excess properties of the binary systems containing diethers and n-alkanes by cubic equation of state. *Korean J Chem Eng*. 21: 858-866.
- Sethi, BPS; Katyal, RC; Sharma, SK. (1991). ENTHALPIES OF MIXING OF BINARY-SYSTEMS 1,4-DIOXANE WITH O-XYLENES, M-XYLENES AND P-XYLENES AND (1-METHYLETHYL)BENZENE AT 298.15 K. 29: 533-536.
- Shaharun, MS; Dutta, BK; Mukhtar, H; Maitra, S. (2010). Hydroformylation of 1-octene using rhodium-phosphite catalyst in a thermomorphic solvent system. *Chem Eng Sci*. 65: 273-281. <http://dx.doi.org/10.1016/j.ces.2009.06.071>.
- Shaharun, MS; Mukhtar, H; Dutta, BK. (2008). Solubility of carbon monoxide and hydrogen in propylene carbonate and thermomorphic multicomponent hydroformylation solvent. *Chem Eng Sci*. 63: 3024-3035. <http://dx.doi.org/10.1016/j.ces.2008.02.035>.
- Shao, XZ; Wang, LS; Li, MY. (2012). Measurement and Correlation of the Solubilities of 2-[[6-Oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)methyl]butanedioic Acid in Selected Solvents. *Ind Eng Chem Res*. 51: 5082-5089. <http://dx.doi.org/10.1021/ie202640z>.
- Sharma, S; Bhalodia, J; Ramani, J; Patel, R. (2013). A STUDY OF THERMODYNAMIC AND INTERACTION PARAMETERS OF OLEIC ACID WITH SOME APROTIC SOLVENTS AT TEMPERATURES OF 303.15, 308.15, AND 313.15K. *Chemical Engineering Communications*. 200: 1009-1026. <http://dx.doi.org/10.1080/00986445.2012.737382>.
- Sharma, VK; Dua, R. (2014). Densities, Speeds of Sound, Excess Molar Enthalpies, and Heat Capacities of o-Chlorotoluene and Cyclic Ether Mixtures. *Journal of Chemical and Engineering Data*. 59: 684-695. <http://dx.doi.org/10.1021/je400722h>.
- She, D; Xu, F; Geng, Z; Sun, R; Jones, GL; Baird, MS. (2010). Physicochemical characterization of extracted lignin from sweet sorghum stem. *Ind Crop Prod*. 32: 21-28. <http://dx.doi.org/10.1016/j.indcrop.2010.02.008>.
- Shen, H; Niu, Y; Hu, X; Yang, F, ei; Wang, S; Wu, D. (2015). A biomimetic 3D microtubule-orientated poly(lactide-co-glycolide) scaffold with interconnected pores for tissue engineering. 3: 4417-4425. <http://dx.doi.org/10.1039/c5tb00167f>.
- Shen, W; Chen, H; Pan, S. (2008). Anaerobic biodegradation of 1,4-dioxane by sludge enriched with iron-reducing microorganisms. *Bioresour Technol*. 99: 2483-2487. <http://dx.doi.org/10.1016/j.biortech.2007.04.054>.
- Shen, W; Wang, Y; Zhan, J; Wang, B, in; Huang, J, un; Deng, S; Yu, G. (2017). Kinetics and operational parameters for 1,4-dioxane degradation by the photoelectro-peroxone process. *Chem Eng J*. 310: 249-258. <http://dx.doi.org/10.1016/j.cej.2016.10.111>.
- Shen, Y; Xu, Q; Liang, J; Xu, W. (2016). Degradation of Reactive Yellow X-RG by O₃/Fenton system: response surface approach, reaction mechanism, and degradation pathway. *Water Sci Technol*. 74: 2483-2496. <http://dx.doi.org/10.2166/wst.2016.430>.
- Sheng, Y; Yan, N; Zhu, Y; Jiang, W. (2014). Online rheological investigation on ion-induced micelle transition for amphiphilic polystyrene-block-poly(acrylic acid) diblock copolymer in dilute solution. *Langmuir*. 30: 15392-15399. <http://dx.doi.org/10.1021/la503835u>.
- Sheu, CW; Moreland, FM; Lee, JK; Dunkel, VC. (1988). In vitro BALB/3T3 cell transformation assay of nonoxynol-9 and 1,4-dioxane. *Environ Mol Mutagen*. 11: 41-48. <http://dx.doi.org/10.1002/em.2850110106>.
- Shi, H; Yang, F; Niu, Y; Wu, Y; Wang, H; Liu, Z; Liang, B, o. (2015). Fluorescent Pyrene Assisted Photodeprotection of 2-(2-nitrophenyl)Propyloxycarbonyl Groups on Self-Assembled Monolayers. *J Nanosci Nanotechnol*. 15: 2650-2656. <http://dx.doi.org/10.1166/jnn.2015.9227>.
- Shi, JL; Jiang, MXW; Zeng, JH; Jiang, XK. (1997). Aggregating tendencies of some alkylsulfonates. *Langmuir*. 13: 2480-2482.
- Shigematsu, M; Goto, A; Yoshida, S; Tanahashi, M; Shinoda, Y. (1994). HYDROPHOBIC REGIONS OF HEMICELLULOSES ESTIMATED BY FLUORESCENT-PROBE METHOD. 40: 1214-1218.
- Shigematsu, M; Morita, M; Sakata, I. (1991). EFFECT OF THE ADDITION OF LIGNIN-CARBOHYDRATE COMPLEX ON MISCIBILITY BETWEEN HEMICELLULOSE AND LIGNIN. 37: 50-56.
- Shimizu, K; Sudo, K; Ono, H; Ishihara, M; Fujii, T; Hishiyama, S. (1998). Integrated process for total utilization of wood components by steam-explosion pretreatment. *Biomass and Bioenergy*. 14: 195-203.
- Shin, D; Sung, DY; Moon, HS; Nam, K. (2010). Microbial succession in response to 1,4-dioxane exposure in activated sludge reactors: effect of inoculum source and extra carbon addition. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 45: 674-681. <http://dx.doi.org/10.1080/10934521003648859>.
- Shin, HJ; Lee, Y, unJe; Im, J, unH; Han, K, yuWon; Lee, J, onWon; Lee, Y; Lee, J, uD; Jang, W, onYil; Yoon, J, iHo. (2009). Thermodynamic stability, spectroscopic identification and cage occupation of binary CO₂ clathrate hydrates. *Chem Eng Sci*. 64: 5125-5130. <http://dx.doi.org/10.1016/j.ces.2009.08.019>.
- Shin, J; Lee, YC; Ahn, Y; Yang, J, iWon. (2012). 1,4-Dioxane degradation by oxidation and sonication in the presence of different-sized ZVI in open-air system. *Desalination and Water Treatment*. 50: 102-114. <http://dx.doi.org/10.1080/19443994.2012.708554>.
- Shin, J; Lim, YM; Jeun, JP, yo; Nho, YC. (2007). Swelling Behavior study of gamma-irradiated gelatin hydrogels prepared in Organic/Aqueous mixtures. *J Ind Eng Chem*. 13: 997-1001.
- Shinde, SD; Yadav, GD. (2014). Process intensification of immobilized lipase catalysis by microwave irradiation in the synthesis of 4-chloro-2-methylphenoxycetic acid (MCPA) esters. *Biochem Eng J*. 90: 96-102. <http://dx.doi.org/10.1016/j.bej.2014.05.015>.
- Shinkarev, AA; Lyutakhina, NB; Gnevashov, SG. (2000). Separation of the groups of humic substances upon recurrent treatment with solvents. *Eurasian Soil Science*. 33: 709-712.
- Shrivastava, A; Ghosh, KK. (2008). Micellization of Cetyl Triphenyl Phosphonium Bromide Surfactant in Binary Aqueous Solvents. *Journal of Surfactants and Detergents*. 11: 287-292. <http://dx.doi.org/10.1007/s11743-008-1083-5>.
- Shukla, RS. (1998). Homogeneous catalysis of selective functionalization of alkane and alkenes by dioxygen. *Stud Surf Sci Catal*. 113: 897-905.
- Shukla, RS. (1999). Thermodynamics of monooxygenase system: Ru-III-EDTA-ascorbate-O-2 catalyzed oxygen atom transfer to olefins. *Indian J Chem Tech*. 6: 31-37.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Siebert, KJ; Troukhanova, NV; Lynn, PY. (1996). Nature of polyphenol-protein interactions. *J Agric Food Chem.* 44: 80-85.
- Silva, CAC; Figueiredo, FCA; Rodrigues, R; Sairre, MI; Goncalves, M; Matos, I; Fonseca, IM; Mandelli, D; Carvalho, WA. (2016). Enhancing the biodiesel manufacturing process by use of glycerin to produce hyacinth fragrance. *Clean Tech Environ Pol.* 18: 1551-1563. <http://dx.doi.org/10.1007/s10098-016-1136-9>.
- Simon, LM; Kotorman, M; Szabo, A; Nemcsok, J; Laczko, I. (2007). The effects of organic solvent/water mixtures on the structure and catalytic activity of porcine pepsin. *Process Biochemistry.* 42: 909-912. <http://dx.doi.org/10.1016/j.procbio.2007.01.014>.
- Simonich, SM; Sun, P; Casteel, K; Dyer, S; Wernery, D; Garber, K; Carr, G; Federle, T. (2013). Probabilistic analysis of risks to US drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integr Environ Assess Manag.* 9: 554-559. <http://dx.doi.org/10.1002/ieam.1448>.
- Simonin, JP; Bernard, O; Krebs, S; Kunz, W. (2006). Modelling of the thermodynamic properties of ionic solutions using a stepwise solvation-equilibrium model. *Fluid Phase Equilibria.* 242: 176-188. <http://dx.doi.org/10.1016/j.fluid.2006.01.019>.
- Simsek, EH; Karaduman, A; Caliskan, S; Togrul, T. (2002). The effect of preswelling and/or pretreatment of some Turkish coals on the supercritical fluid extract yield. *Fuel.* 81: 503-506.
- Singh, PP; Maken, S. (1992). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE. *Fluid Phase Equilibria.* 72: 299-308.
- Singh, PP; Maken, S. (1993). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE - REPLY. *Fluid Phase Equilibria.* 87: 385-388.
- Singha, NR; Kar, S; Ray, SK. (2009). Synthesis of Chemically Modified Polyvinyl Alcohol Membranes for Dehydration of Dioxane by Pervaporation. *Separation Science and Technology.* 44: 422-446. <http://dx.doi.org/10.1080/01496390802437347>.
- Singha, NR; Parya, TK; Ray, SK. (2009). Dehydration of 1,4-dioxane by pervaporation using filled and crosslinked polyvinyl alcohol membrane. *J Memb Sci.* 340: 35-44. <http://dx.doi.org/10.1016/j.memsci.2009.05.003>.
- Sinha, W; Deibel, N; Garai, A; Schweinfurth, D; Anwar, S; Purohit, CS; Sarkar, B; Kar, S. (2014). In-situ spectroelectrochemistry (EPR, UV-visible) and aggregation behavior of H-2 BDCP and Zn(II)BDCP [BDCP = {5,10,15,20-tetrakis[3,4-(1,4-dioxan)phenyl]porphyrin}(2-)]. *Dyes and Pigments.* 107: 29-37. <http://dx.doi.org/10.1016/j.dyepig.2014.03.019>.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .2. THE EFFECT OF PH ON THE REACTION BETWEEN A BETA-O-4-TYPE QUINONE METHIDE AND VANILLYL ALCOHOL IN WATER-DIOXANE SOLUTIONS - THE STABILITY OF NONCYCLIC BENZYL ARYL ETHERS DURING LIGNIN BIOSYNTHESIS. *Holzforschung.* 45: 275-278.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .3. THE REACTIVITY OF A BETA-O-4-TYPE QUINONE METHIDE WITH METHYL-ALPHA-D-GLUCOPYRANOSIDE IN COMPETITION WITH VANILLYL ALCOHOL - THE FORMATION AND THE STABILITY OF BENZYL ETHERS BETWEEN LIGNIN AND CARBOHYDRATES. *Holzforschung.* 45: 3-7.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .4. THE REACTIONS OF A BETA-O-4-TYPE QUINONE METHIDE WITH CARBOXYLIC-ACIDS IN THE PRESENCE OF PHENOLS - THE FORMATION AND STABILITY OF BENZYL-ESTERS BETWEEN LIGNIN AND CARBOHYDRATES. *Holzforschung.* 45: 9-14.
- Sjoholm, E; Norman, E; Colmsjo, A. (2000). Charge density of lignin samples from kraft cooking of birch wood. *Journal of Wood Chemistry and Technology.* 20: 337-356.
- Skranc, W; Cibulka, I; Hnedkovsky, L. (1995). EXCESS VOLUMES OF 1,4-DIOXANE PLUS ETHANE-1,2-DIOL AT 298.15 K. *Journal of Chemical and Engineering Data.* 40: 974-975.
- Slomkowski, S; Gadzinowski, M; Sosnowski, S; Radomska-Galant, I; Pucci, A; De Vita, C; Ciardelli, F. (2006). Nanoparticles from polylactide and polyether block copolymers: Formation, properties, encapsulation, and release of pyrene - Fluorescent model of hydrophobic drug. *J Nanosci Nanotechnol.* 6: 3242-3251. <http://dx.doi.org/10.1166/jnn.2006.470>.
- Smirnov, VI; Badelin, VG. (2014). Enthalpies of beta-Alanine Dissolution in Some Water plus Organic Mixtures at 298.15 K. *Journal of Chemical and Engineering Data.* 59: 1774-1780. <http://dx.doi.org/10.1021/je400966q>.
- So, MH; Han, JS; Han, TH; Seo, JW; Kim, CG. (2009). Decomposition of 1,4-dioxane by photo-Fenton oxidation coupled with activated sludge in a polyester manufacturing process. *Water Sci Technol.* 59: 1003-1009. <http://dx.doi.org/10.2166/wst.2009.056>.
- Solar, R; Kacik, F. (1993). COMPARATIVE-STUDY OF CARIBBEAN PINE (PINUS-CARIBAEA L) WOOD AND BARK DIOXANE LIGNIN. *Holz als Roh- und Werkstoff.* 51: 347-352.
- Solar, R; Kacik, F. (1995). ALTERATIONS OF MAPLE WOOD LIGNIN UNDER CONDITIONS OF TREATMENT IN DIOXANE-WATER-HCL AGENT. 40: 3-16.
- Solar, R; Kacik, F. (1995). A COMPARATIVE-STUDY OF HARD AND SOFTWOOD LIGNINS ALTERATIONS DURING TREATMENT IN DIOXANE-WATER-HCL AGENT. *Holz als Roh- und Werkstoff.* 53: 123-128.
- Solar, R; Kacik, F. (1995). A STUDY OF SPRUCE WOOD LIGNIN ALTERATIONS DURING TREATMENT IN DIOXANE-WATER-HCL SOLVENT. *Cellulose Chemistry and Technology.* 29: 123-133.
- Solar, R; Kacik, F; Melcer, I. (1992). THE COMPARISON OF CHEMICAL AND STRUCTURAL DIFFERENCES OF CARIBBEAN PINE (PINUS-CARIBAEA L) WOOD AND BARK LIGNIN. *Holz als Roh- und Werkstoff.* 50: 291-294.
- Son, HS; Choi, SB; Khan, E; Zoh, KD. (2006). Removal of 1,4-dioxane from water using sonication: effect of adding oxidants on the degradation kinetics. *Water Res.* 40: 692-698. <http://dx.doi.org/10.1016/j.watres.2005.11.046>.
- Son, HS; Im, JK; Zoh, KD. (2009). A Fenton-like degradation mechanism for 1,4-dioxane using zero-valent iron (Fe0) and UV light. *Water Res.* 43: 1457-1463. <http://dx.doi.org/10.1016/j.watres.2008.12.029>.
- Son, HS; Kim, SK; Irn, JK; Khim, J; Zoh, KD. (2011). Effect of Bulk Temperature and Frequency on the Sonolytic Degradation of 1,4-Dioxane with Fe-0. *Ind Eng Chem Res.* 50: 5394-5400. <http://dx.doi.org/10.1021/ie101849p>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Son, HS; Zoh, KD, uk. (2012). Effects of Methanol and Carbon Tetrachloride on Sonolysis of 1,4-Dioxane in Relation to Temperature. *Ind Eng Chem Res.* 51: 8939-8944. <http://dx.doi.org/10.1021/ie201766h>.
- Son, YA; Lee, J; Kim, H; Yu, H; Kim, SH; Jun, K; Lee, DH. (2013). Design, synthesis and characteristics on novel D-pi-A dye chromophore: fluorochromism effects. *J Nanosci Nanotechnol.* 13: 1484-1487. <http://dx.doi.org/10.1166/jnn.2013.6108>.
- Sonar, AN; Khirnar, MD; Pawar, NS. (2009). Stability constants of Yb (III), Pr (III) and Ce (III) Chelates with some substituted Drugs. *Res Journal Chem Environ.* 13: 78-80.
- Song, F; Shi, WT; Dong, XT; Han, X; Wang, XL; Chen, SC; Wang, YZ. (2014). Fennel-like nanoaggregates based on polysaccharide derivatives and their application in drug delivery. *Colloids Surf B Biointerfaces.* 113: 501-504. <http://dx.doi.org/10.1016/j.colsurfb.2013.09.027>.
- Song, X; Wang, J; Zhu, J, in. (2009). Effect of Porogenic Solvent on Selective Performance of Molecularly Imprinted Polymer for Quercetin. *Mater Res.* 12: 299-304.
- Song, Y; Seo, G; Ihm, SK. (1992). HYDRODEALKYLATION REACTION OF ETHYLBENZENE OVER A SUPPORTED NICKEL-TUNGSTEN CATALYST. *Appl Catal A-Gen.* 83: 75-86.
- Songsiri, N; Rempel, GL; Prasassarakich, P. (2016). Liquid-Phase Synthesis of Isoprene from Methyl tert-Butyl Ether and Formalin Using Keggin-Type Heteropolyacids. *Ind Eng Chem Res.* 55: 8933-8940. <http://dx.doi.org/10.1021/acs.iecr.6b02452>.
- Soroko, I; Livingston, A. (2009). Impact of TiO₂ nanoparticles on morphology and performance of crosslinked polyimide organic solvent nanofiltration (OSN) membranes. *J Memb Sci.* 343: 189-198. <http://dx.doi.org/10.1016/j.memsci.2009.07.026>.
- Soroko, I; Lopes, MP; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN): Part A. Effect of polymer/solvent/non-solvent system choice. *J Memb Sci.* 381: 152-162. <http://dx.doi.org/10.1016/j.memsci.2011.07.027>.
- Soroko, I; Makowski, M; Spill, F; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN). Part B: Analysis of evaporation step and the role of a co-solvent. *J Memb Sci.* 381: 163-171. <http://dx.doi.org/10.1016/j.memsci.2011.07.028>.
- Sosnowski, S; Gadzinowski, M; Slomkowski, S; Penczek, S. (1994). SYNTHESIS OF BIOERODIBLE POLY(EPSILON-CAPROLACTONE) LATEXES AND POLY(D,L-LACTIDE) MICROSPHERES BY RING-OPENING POLYMERIZATION. *J Bioact Compat Polymer.* 9: 345-366.
- Sowjanya, Y; Prasad, PSR. (2014). Formation kinetics & phase stability, of double hydrates of C₄H₈O and CO₂/CH₄: A comparison with pure systems. *Journal of Natural Gas Science & Engineering.* 18: 58-63. <http://dx.doi.org/10.1016/j.jngse.2014.02.001>.
- Soykan, C; Delibas, A, I; Coskun, R. (2008). Novel copolymers of N-(4-bromophenyl)-2-methacrylamide with glycidyl methacrylate: Synthesis, characterization, monomer reactivity ratios and thermal properties. *React Funct Polym.* 68: 114-124. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.10.004>.
- Spaans, CJ; De Groot, JH; Belgraver, VW; Pennings, AJ. (1998). A new biomedical polyurethane with a high modulus based on 1,4-butanediisocyanate and epsilon-caprolactone. *J Mater Sci Mater Med.* 9: 675-678.
- Spah, M; Spah, D, alC; Jun, S; Lee, S; Song, H, oJun; Won-Gun, K, oh; Park, J, inWon. (2009). Thermodynamic determination of solvation potentials of various metal chlorides by (1,4-dioxane + water) mixtures through EMF measurements. *Fluid Phase Equilibria.* 279: 17-27. <http://dx.doi.org/10.1016/j.fluid.2009.01.013>.
- Spasojevic, D; Prokopijevic, M; Prodanovic, O; Pirtea, MG; Radotic, K; Prodanovic, R. (2014). Immobilization of chemically modified horseradish peroxidase within activated alginate beads. *Hemijaska Industrija.* 68: 117-122. <http://dx.doi.org/10.2298/HEMIND121122036S>.
- Spicer, CW; Gordon, SM; Holdren, MW; Kelly, TJ; Mukund, R. (2002). Hazardous air pollutant handbook: Measurements, properties, and fate in ambient air. Boca Raton, FL: CRC Press. <http://www.crcnetbase.com/doi/book/10.1201/9781420032352>.
- Spiegelhalter, D; Thomas, A; Best, N; Lunn, D. (2003). WinBugs version 1.4 user manual. Cambridge, UK: MRC Biostatistics Unit. <http://www.mrc-bsu.cam.ac.uk/bugs/winbugs/manual14.pdf>.
- Sretenskaya, NG. (1992). DISSOCIATION-CONSTANTS OF HCL ACCORDING TO ELECTRIC RESISTIVITY DATA FOR HCL SOLUTIONS IN THE WATER-DIOXANE MIXTURES. *Geokhimiya*447-453.
- Srivastava, AK; Chaurasia, AK; Sharma, S; Mishra, G. (2006). Kinetics and mechanism of polymerization of vinyl acetate using triphenyl stibonium 1,2,3,4-tetraphenyl-cyclopentadiene ylide. *Journal of Sci Ind Res.* 65: 514-517.
- Srour, RK; McDonald, LM. (2008). Ionic conductivity of selected 2 : 1 electrolytes in dilute solutions of mixed aqueous-organic solvents at 298.15 K. *Journal of Chemical and Engineering Data.* 53: 335-342. <http://dx.doi.org/10.1021/je700313j>.
- Stanciu, ND; Albu, A, naM; Teodorescu, M; Hamaide, T; Vuluga, DM. (2009). Preliminary Studies on the Synthesis and Characterization of Cellulose - Maleic Anhydride - Dicyclopentadiene Composites. *Materiale Plastice.* 46: 215-219.
- Stefan, MI; Bolton, JR. (1998). Mechanism of the degradation of 1,4-dioxane in dilute aqueous solution using the UV hydrogen peroxide process. *Environ Sci Technol.* 32: 1588-1595.
- Steinemann, AC. (2009). Fragranced consumer products and undisclosed ingredients. *Environ Impact Assess Rev.* 29: 32-38. <http://dx.doi.org/10.1016/j.eiar.2008.05.002>.
- Stepanek, M; Matejcek, P; Humpolickova, J; Prochazka, K. (2005). Reversible aggregation of polystyrene-block-poly(2-vinylpyridine)-block-poly(ethylene oxide) block copolymer micelles in acidic aqueous solutions. *Langmuir.* 21: 10783-10790. <http://dx.doi.org/10.1021/la0516680>.
- Stepanek, M; Podhajecka, K; Tesarova, E; Prochazka, K; Tuzar, Z; Brown, W. (2001). Hybrid polymeric micelles with hydrophobic cores and mixed polyelectrolyte/nonelectrolyte shells in aqueous media. 1. Preparation and basic characterization. *Langmuir.* 17: 4240-4244. <http://dx.doi.org/10.1021/la010246x>.
- Stepien, DK; Diehl, P; Helm, J; Thoms, A; Püttmann, W. (2014). Fate of 1,4-dioxane in the aquatic environment: from sewage to drinking water. *Water Res.* 48: 406-419. <http://dx.doi.org/10.1016/j.watres.2013.09.057>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Stepien, DK; Regnery, J; Merz, C; Püttmann, W. (2013). Behavior of organophosphates and hydrophilic ethers during bank filtration and their potential application as organic tracers. A field study from the Oderbruch, Germany. *Sci Total Environ.* 458-460: 150-159. <http://dx.doi.org/10.1016/j.scitotenv.2013.04.020>.
- Stroebel, P; Mayer, F; Zerbán, H; Bannasch, P. (1995). Spongiotic pericytoma: A benign neoplasm deriving from the perisinusoidal (Ito) cells in rat liver. *Am J Pathol.* 146: 903-913.
- Subbaiah, T. (1993). SALT EFFECT IN VAPOR-LIQUID-EQUILIBRIA. *J Chem Tech Biotechnol.* 57: 163-168.
- Sudarsanam, P; Mallesham, B; Prasad, AN; Reddy, PS; Reddy, BM. (2013). Synthesis of bio-additive fuels from acetalization of glycerol with benzaldehyde over molybdenum promoted green solid acid catalysts. *Fuel Process Tech.* 106: 539-545. <http://dx.doi.org/10.1016/j.fuproc.2012.09.025>.
- Suez, I; Backer, SA; Fréchet, JM. (2005). Generating an etch resistant "resist" layer from common solvents using scanning probe lithography in a fluid cell. *Nano Lett.* 5: 321-324. <http://dx.doi.org/10.1021/nl048014g>.
- Sugimoto, H; Ogawa, A. (2007). Alternating copolymerization of carbon dioxide and epoxide by dinuclear zinc Schiff base complex. *React Funct Polym.* 67: 1277-1283. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.07.008>.
- Sugunan, S; Malayan, JJ. (1995). ELECTRON-DONATING, ACID-BASE, AND MAGNETIC-PROPERTIES OF SAMARIA CATALYST. *J Adhes Sci Tech.* 9: 73-80.
- Sugunan, S; Rani, GD. (1993). ACID-BASE, ELECTRON-DONATING AND MAGNETIC-PROPERTIES OF ND₂O₃ AND ITS MIXED OXIDES WITH ALUMINA CATALYSTS. *Journal of Materials Science.* 28: 4811-4815.
- Suh, JH; Mohseni, M. (2004). A study on the relationship between biodegradability enhancement and oxidation of 1,4-dioxane using ozone and hydrogen peroxide. *Water Res.* 38: 2596-2604. <http://dx.doi.org/10.1016/j.watres.2004.03.002>.
- Sumitra, C, h; Singh, T, hD; Devi, MI; Singh, NR. (2008). Absorption spectral studies of 4f-4f transitions for the complexation of Pr(III) and Nd(III) with glutathione reduced (GSH) in presence of Zn(II) in different aqated organic solvents and kinetics for the complexation of Pr(III): GSH with Zn(II). *J Alloy Comp.* 451: 365-371. <http://dx.doi.org/10.1016/j.jallcom.2007.04.153>.
- Sun, D; Wang, J; Yamada, Y; Sato, S. (2015). Cyclodehydration of diethylene glycol over Ag-modified Al₂O₃ catalyst. *Appl Catal A-Gen.* 505: 422-430. <http://dx.doi.org/10.1016/j.apcata.2015.03.047>.
- Sun, F; Sun, B; Hu, J; He, Y; Wu, W. (2015). Organics and nitrogen removal from textile auxiliaries wastewater with A₂O-MBR in a pilot-scale. *J Hazard Mater.* 286: 416-424. <http://dx.doi.org/10.1016/j.jhazmat.2015.01.031>.
- Sun, M; Lopez-Velandia, C; Knappe, DR. (2016). Determination of 1,4-Dioxane in the Cape Fear River Watershed by Heated Purge-and-Trap Preconcentration and Gas Chromatography-Mass Spectrometry. *Environ Sci Technol.* 50: 2246-2254. <http://dx.doi.org/10.1021/acs.est.5b05875>.
- Sun, RC; Lawther, JM; Banks, WB. (1998). Isolation and characterization of organosolv lignins from wheat straw. *Wood and Fiber Science.* 30: 56-63.
- Sun, RC; Lawther, JM; Banks, WB; Xiao, B. (1997). Effect of extraction procedure on the molecular weight of wheat straw lignins. *Ind Crop Prod.* 6: 97-106.
- Sun, RC; Mott, L; Bolton, J. (1998). Fractional and structural characterization of ball milled and enzyme lignins from oil palm empty fruit bunch fiber. *Wood and Fiber Science.* 30: 301-311.
- Sun, SN, i; Cao, X, ueFei; Xu, F; Jones, GL; Baird, M. (2014). Alkaline and Organosolv Lignins from Furfural Residue: Structural Features and Antioxidant Activity. *BioResources.* 9: 772-785.
- Sun, XF; Jing, Z; Fowler, P; Wu, Y; Rajaratnam, M. (2011). Structural characterization and isolation of lignin and hemicelluloses from barley straw. *Ind Crop Prod.* 33: 588-598. <http://dx.doi.org/10.1016/j.indcrop.2010.12.005>.
- Sun, XF; Sun, R; Fowler, P; Baird, MS. (2005). Extraction and characterization of original lignin and hemicelluloses from wheat straw. *J Agric Food Chem.* 53: 860-870. <http://dx.doi.org/10.1021/jf040456q>.
- Sun, YC; Wang, M, in; Sun, R, unC. (2015). Toward an Understanding of Inhomogeneities in Structure of Lignin in Green Solvents Biorefinery. Part 1: Fractionation and Characterization of Lignin. 3: 2443-2451. <http://dx.doi.org/10.1021/acsuschemeng.5b00809>.
- Sun, YC; Xu, J, iKun; Xu, F; Sun, R, unC. (2013). Efficient separation and physico-chemical characterization of lignin from eucalyptus using ionic liquid-organic solvent and alkaline ethanol solvent. *Ind Crop Prod.* 47: 277-285. <http://dx.doi.org/10.1016/j.indcrop.2013.03.025>.
- Surprenant, KS. (2002). Ullmann's Encyclopedia of Industrial Chemistry/Dioxane (6th ed.). Weinheim, Germany: Wiley-VCH Verlag. http://dx.doi.org/10.1002/14356007.a08_545.
- Suthersan, S; Gentile, M; Bell, C; Quinnan, J; Horst, J. (2016). Big Data and Environmental Remediation: Gaining Predictive Insights. *Ground Water Monitoring and Remediation.* 36: 21-31. <http://dx.doi.org/10.1111/gwmr.12156>.
- Suthersan, S; Quinnan, J; Horst, J; Ross, I, an; Kalve, E; Bell, C; Pancras, T. (2016). Making Strides in the Management of "Emerging Contaminants". *Ground Water Monitoring and Remediation.* 36: 15-25. <http://dx.doi.org/10.1111/gwmr.12143>.
- Syal, VK; Bisht, P. (1994). CONDUCTOMETRIC STUDIES OF SOME TETRAALKYLAMMONIUM SALTS IN BINARY-MIXTURES OF DIMETHYLSULFOXIDE AND DIOXANE AT 35-DEGREES-C AND 45-DEGREES-C. *Indian J Chem Tech.* 1: 233-236.
- Szmaja, A; Szubzda, B. (2010). Preliminary studies on selection of organic non-toxic electrolyte for supercapacitors. 86: 349-352.
- Tada, EB; Novaki, LP; El Seoud, OA. (2001). Solvatochromism in cationic micellar solutions: Effects of the molecular structures of the solvatochromic probe and the surfactant headgroup. *Langmuir.* 17: 652-658. <http://dx.doi.org/10.1021/la0011351>.
- Tada, EB; Ouarti, N; Silva, PL; Blagoeva, IB; El Seoud, OA; Ruasse, MF. (2003). Nucleophilic reactivity of the CTACI-Micelle-bound fluoride ion: The influence of water concentration and ionic strength at the micellar interface. *Langmuir.* 19: 10666-10672. <http://dx.doi.org/10.1021/la030186q>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Taha, M. (2004). Thermodynamic study of the second-stage dissociation of N,N-bis-(2-hydroxyethyl)glycine (bicine) in water at different ionic strength and different solvent mixtures. *Ann Chim.* 94: 971-978. <http://dx.doi.org/10.1002/adich.200490119>.
- Taha, M. (2016). Designing new mass-separating agents based on piperazine-containing good's buffers for separation of propanols and water azeotropic mixtures using COSMO-RS method. *Fluid Phase Equilibria.* 425: 40-46. <http://dx.doi.org/10.1016/j.fluid.2016.05.011>.
- Taha, M; Khalil, MM. (2005). Mixed-ligand complex formation equilibria of cobalt(II), nickel(II), and copper(II) with N,N-bis(2-hydroxyethyl)glycine (bicine) and some amino acids. *Journal of Chemical and Engineering Data.* 50: 157-163. <http://dx.doi.org/10.1021/je049766v>.
- Taha, M; Khalil, MM; Mohamed, SA. (2005). Metal ion-buffer interactions. Complex formation of N,N-bis(2-hydroxyethyl)glycine (bicine) with various biologically relevant ligands. *Journal of Chemical and Engineering Data.* 50: 882-887. <http://dx.doi.org/10.1021/je049625t>.
- Taha, M; Lee, M. (2009). Buffer interactions: Densities and solubilities of some selected biological buffers in water and in aqueous 1,4-dioxane solutions. *Biochem Eng J.* 46: 334-344. <http://dx.doi.org/10.1016/j.bej.2009.06.009>.
- Taha, M; Lee, MJ, er. (2011). Solubility and Phase Separation of 2-(N-Morpholino)ethanesulfonic Acid (MES) and 4-(N-Morpholino)butanesulfonic Acid (MOBS) in Aqueous 1,4-Dioxane and Ethanol Solutions. *Journal of Chemical and Engineering Data.* 56: 4436-4443. <http://dx.doi.org/10.1021/je200244p>.
- Taha, M; Teng, H; Lee, M. (2013). Buffering-out: Separation of tetrahydrofuran, 1,3-dioxolane, or 1,4-dioxane from their aqueous solutions using EPPS buffer at 298.15 K. *Separation and Purification Technology.* 105: 33-40. <http://dx.doi.org/10.1016/j.seppur.2012.12.022>.
- Tahara, M; Obama, T; Ikarashi, Y. (2013). Development of analytical method for determination of 1,4-dioxane in cleansing products. *Int J Cosmet Sci.* 35: 575-580. <http://dx.doi.org/10.1111/ics.12079>.
- Tajima, H; Niitsu, T; Inoue, H. (1999). Polymerization of formaldehyde by an immobilized thiamine catalyst on cation-exchange resin. *J Chem Eng Jpn.* 32: 776-782.
- Tajima, T; Hayashida, N; Matsumura, R; Omura, A; Nakashimada, Y; Kato, J. (2012). Isolation and characterization of tetrahydrofuran-degrading *Rhodococcus aetherivorans* strain M8. *Process Biochemistry.* 47: 1665-1669. <http://dx.doi.org/10.1016/j.procbio.2011.08.009>.
- Takagi, H; Isoda, T; Kusakabe, K; Morooka, S. (1999). Effects of solvents on the hydrogenation of mono-aromatic compounds using noble-metal catalysts. *Energy Fuels.* 13: 1191-1196.
- Takagi, H; Oumi, Y; Uozumi, T; Masuda, T; Sano, T. (2001). Synthesis of 1,4-dioxan-2-one from 1,3-dioxolane and carbon monoxide over cation-exchange resin catalyst. 44: 131-134.
- Takahashi, N; Hibino, T; Torii, H; Shibata, S; Tasaka, S; Yoneya, J, un; Matsuda, M; Ogasawara, H; Sugimoto, K; Fujioka, T. (2013). Evaluation of O₃/UV and O₃/H₂O₂ as Practical Advanced Oxidation Processes for Degradation of 1,4-Dioxane. *Ozone: Science and Engineering.* 35: 331-337. <http://dx.doi.org/10.1080/01919512.2013.795851>.
- Takahashi, S; Kojima, K; Takahashi, S. (1999). Liquid structure of aqueous 1,4-dioxane solution using the chemical shift of O-17-NMR. *Kagaku Kogaku Ronbunshu.* 25: 608-612.
- Takahashi, S; Okonogi, H; Hagiwara, T; Maekawa, Y. (2008). Preparation of polymer electrolyte membranes consisting of alkyl sulfonic acid for a fuel cell using radiation grafting and subsequent substitution/elimination reactions. *J Memb Sci.* 324: 173-180. <http://dx.doi.org/10.1016/j.memsci.2008.07.012>.
- Takamuku, T; Noguchi, Y; Nakano, M; Matsugami, M; Iwase, H; Otomo, T. (2007). Microinhomogeneity for aqueous mixtures of water-miscible organic solvents. *Ceramic Society of Japan Journal.* 115: 861-866.
- Take, M; Ohnishi, M; Yamamoto, S; Matsumoto, M; Nagano, K; Fukushima, S. (2012). Distribution of 1,4-dioxane by combined inhalation plus oral exposure routes in rats. *Int J Environ Anal Chem.* 92: 1715-1728. <http://dx.doi.org/10.1080/03067319.2011.581370>.
- Takeno, K; Yokoyama, T; Matsumoto, Y. (2012). EFFECT OF SOLVENT ON THE beta-O-4 BOND CLEAVAGE OF A LIGNIN MODEL COMPOUND BY TERT-BUTOXIDE UNDER MILD CONDITIONS. *BioResources.* 7: 15-25.
- Takigawa, T; Ogawa, H; Nakamura, M; Tamura, K; Murakami, S. (1995). THERMODYNAMIC PROPERTIES (H-M(E), C-P,M(E), V-M(E), KAPPA-T-E) OF BINARY MIXTURES(X1,3-DIOXANE PLUS (1-X)CYCLOHEXANE) AT 298.15 K. *Fluid Phase Equilibria.* 110: 267-281.
- Takigawa, T; Ogawa, H; Tamura, K; Murakami, S. (1997). Excess enthalpies of binary mixtures {xdioxane isomer plus (1-x)non-polar liquid} at 298.15 K. *Fluid Phase Equilibria.* 136: 257-267.
- Talhami, A; Penn, L; Jaber, N; Hamza, K; Blum, J. (2006). Sol-gel entrapped dichlorobis(triphenylphosphine)palladium as an efficient recyclable catalyst for the cross-coupling of aryl halides with indium- and related alkylating reagents. *Appl Catal A-Gen.* 312: 115-119. <http://dx.doi.org/10.1016/j.apcata.2006.06.033>.
- Tamasaki, H; Sohmura, T; Teraoka, F; Yamamoto, T; Hirose, Y; Takahashi, J; Niwa, H. (2005). Fabrication of porous particulate for the scaffold by applying solution spraying method. *Dent Mater J.* 24: 76-82.
- Tamilarasan, R; Prabu, AA; Kumar, MD; Yoo, CK. (2008). Salt effect on the enthalpy of mixing of 1,4-dioxane + formic acid at 303.15 K. *Journal of Chemical and Engineering Data.* 53: 966-969. <http://dx.doi.org/10.1021/je7007022>.
- Tamura, K; Bhuiyan, MMH. (2005). Excess molar enthalpies of ternary mixtures of ethanol plus 1-propanol plus tetrahydropyran or 1,4-dioxane at 298.15 K. *Journal of Chemical and Engineering Data.* 50: 66-71. <http://dx.doi.org/10.1021/je049852v>.
- Tanabe, A; Kawata, K. (2009). Impact of N,N-dimethylformamide from domestic effluents on river waters. *Bull Environ Contam Toxicol.* 83: 841-845. <http://dx.doi.org/10.1007/s00128-009-9857-7>.
- Tanabe, A; Tsuchida, Y; Ibaraki, T; Kawata, K. (2006). Impact of 1,4-dioxane from domestic effluent on the Agano and Shinano Rivers, Japan. *Bull Environ Contam Toxicol.* 76: 44-51. <http://dx.doi.org/10.1007/s00128-005-0887-5>.
- Tanaka, T; Eguchi, S; Saitoh, H; Taniguchi, M; Lloyd, DR. (2008). Microporous foams of polymer blends of poly(L-lactic acid) and poly(epsilon-caprolactone). *Desalination.* 234: 175-183. <http://dx.doi.org/10.1016/j.desal.2007.09.084>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Tanaka, T; Lloyd, DR. (2004). Formation of poly(L-lactic acid) microfiltration membranes via thermally induced phase separation. *J Memb Sci.* 238: 65-73. <http://dx.doi.org/10.1016/j.memsci.2004.03.020>.
- Tanaka, T; Tsuchiya, T; Takahashi, H; Taniguchi, M; Ohara, H; Lloyd, DR. (2006). Formation of biodegradable polyesters membranes via thermally induced phase separation. *J Chem Eng Jpn.* 39: 144-153.
- Tanaka, T; Ueno, M; Watanabe, Y; Kouya, T; Taniguchi, M; Lloyd, DR. (2011). Poly(L-lactic acid) Microfiltration Membrane Formation via Thermally Induced Phase Separation with Drying. *J Chem Eng Jpn.* 44: 467-475.
- Tanaka, Y; Okada, T; Ogawa, M. (2009). Adsorption of tetrakis(p-sulfonatophenyl) porphyrin on kaolinite. *Journal of Porous Materials.* 16: 623-629. <http://dx.doi.org/10.1007/s10934-008-9240-9>.
- Tang, S; Dong, X. (2012). Theta Temperatures of Chlorinated Poly(propene) Solutions. *Journal of Chemical and Engineering Data.* 57: 1499-1501. <http://dx.doi.org/10.1021/jc300009n>.
- Tanimoto, M; Fukuoka, H; Shigemoto, N. (2010). Behavior of Gas Bubbling Vaporization and UV Irradiation Decomposition for 1,4-Dioxane in Wastewater. *Kagaku Kogaku Ronbunshu.* 36: 611-616.
- Tao, Y; Li, S; Li, P; Wu, Q. (2016). Thermogravimetric analyses (TGA) of lignins isolated from the residue of corn stover bioethanol (CSB) production. *Holzforschung.* 70: 1175-1182. <http://dx.doi.org/10.1515/hf-2016-0022>.
- Tasaki, H; Toshima, K; Matsumura, S. (2003). Enzymatic synthesis and polymerization of cyclic trimethylene carbonate monomer with/without methyl substituent. *Macromol Biosci.* 3: 436-441. <http://dx.doi.org/10.1002/mabi.200350013>.
- Taylor, BR; Kauzlarich, SM; Delgado, GR; Lee, HWH. (1999). Solution synthesis and characterization of quantum confined Ge nanoparticles. *Chem Mater.* 11: 2493-2500.
- Taylor, SW; Lange, CR; Lesold, EA. (1997). Biofouling of contaminated ground-water recovery wells: Characterization of microorganisms. *Ground Water.* 35: 973-980.
- Teamkao, P; Thiravetyan, P. (2010). Phytoremediation of ethylene glycol and its derivatives by the burhead plant (*Echinodorus cordifolius* (L.)): effect of molecular size. *Chemosphere.* 81: 1069-1074. <http://dx.doi.org/10.1016/j.chemosphere.2010.09.049>.
- Teamkao, P; Thiravetyan, P. (2015). Phytoremediation of Mono-, Di-, and Triethylene Glycol by *Echinodorus cordifolius* L. Griseb. *Int J Phytoremediation.* 17: 93-100. <http://dx.doi.org/10.1080/15226514.2013.810579>.
- Teichmann, L; Reuschenbach, P; Muller, B; Horn, H. (2002). 2D simulation of transport and degradation in the river Rhine. *Water Sci Technol.* 46: 99-104.
- Tekes, AT; Sinag, A; Misirhoglu, Z; Canel, M. (2002). Determination of swelling properties of Soma-Isiklar lignite (Turkey). *Energy Fuels.* 16: 1309-1313. <http://dx.doi.org/10.1021/ef020079o>.
- Tekuri, C; Singh, DK; Nath, M. (2016). Synthesis, characterization and optical properties of beta-substituted pyrrolo- and indolo[1,2-a]quinoxalinoporphyrins. *Dyes and Pigments.* 132: 194-203. <http://dx.doi.org/10.1016/j.dyepig.2016.04.045>.
- Teli, SB; Gokavi, GS; Sairam, M; Aminabhavi, TM. (2007). Highly water selective silicotungstic acid (H₄SiW₁₂O₄₀) incorporated novel sodium alginate hybrid composite membranes for pervaporation dehydration of acetic acid. *Separation and Purification Technology.* 54: 178-186. <http://dx.doi.org/10.1016/j.seppur.2006.09.002>.
- Teli, SB; Gokavi, GS; Tak, T, aeM; Aminabhavi, TM. (2009). Chitosan/Gelatin Blend Membranes for Pervaporation Dehydration of 1,4-Dioxane. *Separation Science and Technology.* 44: 3202-3223. <http://dx.doi.org/10.1080/01496390903182420>.
- ten Elshof, JE; Abadal, CR; Sekulic, J; Chowdhury, SR; Blank, DHA. (2003). Transport mechanisms of water and organic solvents through microporous silica in the pervaporation of binary liquids. *Microporous and Mesoporous Materials.* 65: 197-208. <http://dx.doi.org/10.1016/j.micromeso.2003.08.010>.
- Terreau, O; Bartels, C; Eisenberg, A. (2004). Effect of poly(acrylic acid) block length distribution on polystyrene-b-poly(acrylic acid) block copolymer aggregates in solution. 2. A partial phase diagram. *Langmuir.* 20: 637-645. <http://dx.doi.org/10.1021/la035557h>.
- Terreau, O; Luo, LB; Eisenberg, A. (2003). Effect of poly(acrylic acid) block length distribution on polystyrene-b-poly(acrylic acid) aggregates in solution. 1. Vesicles. *Langmuir.* 19: 5601-5607. <http://dx.doi.org/10.1021/la0269715>.
- Teshome, A; Kay, AJ; Woolhouse, AD; Clays, K; Asselberghs, I; Smith, GJ. (2009). Strategies for optimising the second-order nonlinear optical response in zwitterionic merocyanine dyes. *Optical Materials.* 31: 575-582. <http://dx.doi.org/10.1016/j.optmat.2008.06.016>.
- Thangjam, PD; Rajkumari, L. (2010). Potentiometric Studies on the Complexation Reactions of N-(2,2-[1-(3-Aminophenyl)ethylidene]hydrazino-2-oxoethyl)benzamide with Ni²⁺, Cu²⁺, and Cd²⁺ Ions in Aqueous Dioxane and Micellar Media. *Journal of Chemical and Engineering Data.* 55: 1166-1172. <http://dx.doi.org/10.1021/jc900583g>.
- Thenappan, T; Subramanian, M. (2001). Dielectric studies of hydrogen bonded complexes of alcohols with nitriles. *Mater Sci Eng B.* 86: 7-10.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2012). Novel template confinement derived from polybenzoxazine-based carbon xerogels for synthesis of ZSM-5 nanoparticles via microwave irradiation. *Microporous and Mesoporous Materials.* 156: 7-15. <http://dx.doi.org/10.1016/j.micromeso.2012.01.035>.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2014). Self-formation of 3D interconnected macroporous carbon xerogels derived from polybenzoxazine by selective solvent during the sol-gel process. *Journal of Materials Science.* 49: 4946-4961. <http://dx.doi.org/10.1007/s10853-014-8196-1>.
- Tian, G; Wu, QY; Li, A, ng; Wang, W; Hu, HY. (2014). Enhanced decomposition of 1,4-dioxane in water by ozonation under alkaline condition. *Water Sci Technol.* 70: 1934-1940. <http://dx.doi.org/10.2166/wst.2014.414>.
- Tian, MM; Qin, AW; Ramireddy, C; Webber, SE; Munk, P; Tuzar, Z; Prochazka, K. (1993). HYBRIDIZATION OF BLOCK-COPOLYMER MICELLES. *Langmuir.* 9: 1741-1748.
- Tian, W, eiC; Ho, Y, uH; Chou, CH. (2013). Photoactivated TiO₂ Gas Chromatograph Detector for Diverse Chemical Compounds Sensing at Room Temperature. *IEEE Sens J.* 13: 1725-1729. <http://dx.doi.org/10.1109/JSEN.2013.2242259>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Tien, J; Terfort, A; Whitesides, GM. (1997). Microfabrication through electrostatic self-assembly. *Langmuir*. 13: 5349-5355.
- Timofeeva, MN; Panchenko, VN; Khan, NA; Hasan, Z; Prosvirin, IP; Tsybulya, SV; Jhung, SH, wa. (2017). Isostructural metal-carboxylates MIL-100(M) and MIL-53(M) (M: V, Al, Fe and Cr) as catalysts for condensation of glycerol with acetone. *Appl Catal A-Gen*. 529: 167-174. <http://dx.doi.org/10.1016/j.apcata.2016.11.006>.
- Timofeeva, SA; Yakupova, LR; Safiullin, RL; Zlotskii, SS. (2012). Synthesis and inhibiting activity of pyrocatechol monoethers. *Petroleum Chemistry*. 52: 432-436. <http://dx.doi.org/10.1134/S096554411205012X>.
- Tirsoaga, A; Cojocaru, B; Teodorescu, C; Vasiliu, F; Grecu, MN; Ghica, D; Parvulescu, VI; Garcia, H. (2016). C-N cross-coupling on supported copper catalysts: The effect of the support, oxidation state, base and solvent. *J Catal*. 341: 205-220. <http://dx.doi.org/10.1016/j.jcat.2016.06.011>.
- Tiwari, S; Ghosh, KK. (2008). Micellization of Cetyltributylphosphonium Bromide in some Binary Aqueous Solvents Mixtures. *Tenside Surfactants Detergents*. 45: 263-267.
- Todorovic, ZB; Stamenkovic, OS; Stamenkovic, IS; Avramovic, JM; Velickovic, A, naV; Bankovic-Ilic, IB; Veljkovic, VB. (2013). The effects of cosolvents on homogeneously and heterogeneously base-catalyzed methanolysis of sunflower oil. *Fuel*. 107: 493-502. <http://dx.doi.org/10.1016/j.fuel.2012.11.049>.
- Tokudome, Y; Naleane, K; Takahashi, M. (2014). Mesostructured carbon film with morphology-induced hydrophilic surface through a dewetting-free coating process. *Carbon*. 77: 1104-1110. <http://dx.doi.org/10.1016/j.carbon.2014.06.028>.
- Torang, L; Reuschenbach, P; Muller, B; Nyholm, N. (2002). Laboratory shake flask batch tests can predict field biodegradation of aniline in the Rhine. *Chemosphere*. 49: 1257-1265.
- Toti, US; Kariduraganavar, MY; Aralaguppi, MI; Aminabhavi, TM. (2000). Density, viscosity, refractive index, and speed of sound of ternary systems: Polystyrene in 1,4-dioxane plus tetrahydrofuran mixtures at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 45: 920-925.
- Tran-Ba, KH, oa; Finley, JJ; Higgins, DA; Ito, T. (2012). Single-Molecule Tracking Studies of Millimeter-Scale Cylindrical Domain Alignment in Polystyrene-Poly(ethylene oxide) Diblock Copolymer Films Induced by Solvent Vapor Penetration. *Journal of Physical Chemistry Letters*. 3: 1968-1973. <http://dx.doi.org/10.1021/jz300647z>.
- Trytek, M; Fiedurek, J, an; Gromada, A. (2016). Effect of some abiotic stresses on the biotransformation of α -pinene by a psychrotrophic *Chrysosporium pannorum*. *Biochem Eng J*. 112: 86-93. <http://dx.doi.org/10.1016/j.bej.2016.03.010>.
- Tsai, HA; Kuo, CY; Su, SL; Wang, DM; Lai, JY. (2009). The morphological evolution of solvent-containing PMMA membranes in various solvent removal processes. *J Memb Sci*. 345: 288-297. <http://dx.doi.org/10.1016/j.memsci.2009.09.011>.
- Tsvintzelis, I; Economou, IG; Kontogeorgis, GM. (2009). Modeling the Solid-Liquid Equilibrium in Pharmaceutical-Solvent Mixtures: Systems with Complex Hydrogen Bonding Behavior. *AIChE J*. 55: 756-770. <http://dx.doi.org/10.1002/aic.11716>.
- Tsukada, H; Yamada, N; Taniguchi, E; Kawano, E. (2000). Synthesis and lateral root-inducing activity of novel 2-piperidones with a 1,4-benzodioxan ring. *Kyushu University Faculty of Agriculture Journal*. 44: 317-328.
- Tsunoji, N, ao; Ikeda, T; Ide, Y; Sadakane, M; Sano, T. (2012). Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO₂-choline hydroxide-NaOH-H₂O system. *J Mater Chem*. 22: 13682-13690. <http://dx.doi.org/10.1039/c2jm31872e>.
- Tsutsumi, Y; Kondo, R; Sakai, K; Imamura, H. (1995). THE DIFFERENCE OF REACTIVITY BETWEEN SYRINGYL LIGNIN AND GUAIACYL LIGNIN IN ALKALINE SYSTEMS. *Holzforschung*. 49: 423-428.
- Tsvetkov, NV; Bushin, SV; Bezrukova, MA; Astapenko, EP; Mikusheva, NG; Lebedeva, EV; Podseval'nikova, AN; Khripunov, AK. (2013). Conformational and optical properties of macromolecules of some aliphatic-substituted cellulose esters. *Cellulose*. 20: 1057-1071. <http://dx.doi.org/10.1007/s10570-013-9913-7>.
- Tudorachi, N; Lipsa, R. (2004). The synthesis and characterization of some copolymers based on poly(ethylene glycol) or poly(vinyl alcohol) with lactic acid. *Materiale Plastice*. 41: 99-104.
- Tuomela, M; Lyytikainen, M; Oivanen, P; Hatakka, A. (1999). Mineralization and conversion of pentachlorophenol (PCP) in soil inoculated with the white-rot fungus *Trametes versicolor*. *Soil Biol Biochem*. 31: 65-74.
- Tuomela, M; Oivanen, P; Hatakka, A. (2002). Degradation of synthetic C-14-lignin by various white-rot fungi in soil. *Soil Biol Biochem*. 34: 1613-1620.
- Turac, E; Sahmetlioglu, E. (2010). Oxidative polymerization of 4-[(4-phenylazo-phenylimino)-methyl]-phenol catalyzed by horseradish peroxidase. *Synthetic Metals*. 160: 169-172. <http://dx.doi.org/10.1016/j.synthmet.2009.10.026>.
- Turay, CB; Erdogan, MK; Karakisa, M; Sacak, M. (2016). Conductive poly(o-anisidine)/poly(ethylene terephthalate) nonwoven composite: Investigation of synthesis parameters and electromagnetic shielding effectiveness. *Journal of Industrial Textiles*. 46: 1104-1120. <http://dx.doi.org/10.1177/1528083715613629>.
- Tyagi, S; Kumar, R; Singh, UP. (2005). Solution studies of some binary and ternary lanthanide complexes. *Journal of Chemical and Engineering Data*. 50: 377-382. <http://dx.doi.org/10.1021/je0400097>.
- U.S. APHC. (2010). Studies on metabolism of 1,4-dioxane. (Toxicology Report No. 87-XE-08WR-09). Aberdeen Proving Ground, MD: U.S. Army Environmental Command.
- U.S. Congress. (2011). Consolidated Appropriations Act, 2012. (Pub. L. No. 112-74; 125 STAT. 786). 112th U.S. Congress. <https://www.gpo.gov/fdsys/pkg/PLAW-112publ74/pdf/PLAW-112publ74.pdf>.
- U.S. EPA. (1986). Guidelines for carcinogen risk assessment [EPA Report]. (EPA/630/R-00/004). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. http://epa.gov/raf/publications/pdfs/CA%20GUIDELINES_1986.PDF.
- U.S. EPA. (1986). Guidelines for mutagenicity risk assessment (pp. 1-17). (EPA/630/R-98/003). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/guidelines-mutagenicity-risk-assessment>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- U.S. EPA. (1986). Guidelines for the health risk assessment of chemical mixtures (pp. 1-38). (EPA/630/R-98/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=22567>.
- U.S. EPA. (1988). Recommendations for and documentation of biological values for use in risk assessment (pp. 1-395). (EPA/600/6-87/008). Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=34855>.
- U.S. EPA. (1991). Guidelines for developmental toxicity risk assessment (pp. 1-71). (EPA/600/FR-91/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=23162>.
- U.S. EPA. (1994). Interim policy for particle size and limit concentration issues in inhalation toxicity studies. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticide Products. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=186068>.
- U.S. EPA. (1994). Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry [EPA Report] (pp. 1-409). (EPA/600/8-90/066F). Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office. <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=71993&CFID=51174829&CFTOKEN=25006317>.
- U.S. EPA. (1995). The use of the benchmark dose approach in health risk assessment. (EPA/630/R-94/007). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=30004WBL.txt>.
- U.S. EPA. (1996). Guidelines for reproductive toxicity risk assessment (pp. 1-143). (EPA/630/R-96/009). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
- U.S. EPA. (1998). Guidelines for neurotoxicity risk assessment [EPA Report] (pp. 1-89). (EPA/630/R-95/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/risk/guidelines-neurotoxicity-risk-assessment>.
- U.S. EPA. (2000). Benchmark dose technical guidance document [external review draft] [EPA Report] (pp. 1-96). (EPA/630/R-00/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. https://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=4727.
- U.S. EPA. (2000). Science policy council handbook: Risk characterization (pp. 1-189). (EPA/100/B-00/002). Washington, D.C.: U.S. Environmental Protection Agency, Science Policy Council. <https://www.epa.gov/risk/risk-characterization-handbook>.
- U.S. EPA. (2000). Supplementary guidance for conducting health risk assessment of chemical mixtures (pp. 1-209). (EPA/630/R-00/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=20533>.
- U.S. EPA. (2002). A review of the reference dose and reference concentration processes (pp. 1-192). (EPA/630/P-02/002F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/osa/review-reference-dose-and-reference-concentration-processes>.
- U.S. EPA. (2002). Toxic Substances Control Act (TSCA) Inventory Update Database [Website]. Retrieved from <http://www.epa.gov/iur/>
- U.S. EPA. (2005). Guidelines for carcinogen risk assessment [EPA Report] (pp. 1-166). (EPA/630/P-03/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www2.epa.gov/osa/guidelines-carcinogen-risk-assessment>.
- U.S. EPA. (2005). Supplemental guidance for assessing susceptibility from early-life exposure to carcinogens (pp. 1-125). (EPA/630/R-03/003F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. https://www3.epa.gov/airtoxics/childrens_supplement_final.pdf.
- U.S. EPA. (2006). A framework for assessing health risk of environmental exposures to children (pp. 1-145). (EPA/600/R-05/093F). Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=158363>.
- U.S. EPA. (2006). Peer review handbook (3rd edition) [EPA Report]. (EPA/100/B-06/002). Washington, DC: U.S. Environmental Protection Agency, Science Policy Council. <http://www.epa.gov/peerreview/>.
- U.S. EPA. (2009). Status report: Advances in inhalation dosimetry of gases and vapors with portal of entry effects in the upper respiratory tract [EPA Report]. (EPA/600/R-09/072). Research Triangle Park, NC. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=212131>.
- U.S. EPA. (2011). Recommended use of body weight 3/4 as the default method in derivation of the oral reference dose (pp. 1-50). (EPA/100/R11/0001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum, Office of the Science Advisor. <https://www.epa.gov/risk/recommended-use-body-weight-34-default-method-derivation-oral-reference-dose>.
- U.S. EPA. (2012). Advances in inhalation gas dosimetry for derivation of a reference concentration (RfC) and use in risk assessment (pp. 1-140). (EPA/600/R-12/044). Washington, DC. <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=244650&CFID=50524762&CFTOKEN=17139189>.
- U.S. EPA. (2012). Benchmark dose technical guidance. (EPA/100/R-12/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/benchmark-dose-technical-guidance>.
- U.S. EPA. (2012). EPA announces NAS' review of IRIS assessment development process [Website]. Washington, DC. Retrieved from <http://yosemite.epa.gov/opa/admpress.nsf/01ce2a7875daf093485257a000054df54?OpenDocument>
- U.S. EPA. (2013). Toxic release inventory. 2011 TRI national analysis basic data files [Website]. Retrieved from <http://www2.epa.gov/toxics-release-inventory-tri-program/2011-tri-national-analysis-basic-data-files>
- U.S. EPA. (2013). WinBUGS model code in support of 1,4-dioxane IRIS assessment.
- Uehara, T; Nishimura, H; Furuno, T; Jodai, S; Sakata, I. (1993). EFFECT OF CORONA DISCHARGE TREATMENT ON BEECH WOOD MEAL. 39: 729-733.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Uemura, T; Kadowaki, Y, u; Kim, C, hoR; Fukushima, T; Hiramatsu, D; Kitagawa, S. (2011). Incarceration of Nanosized Silica into Porous Coordination Polymers: Preparation, Characterization, and Adsorption Property. *Chem Mater.* 23: 1736-1741. <http://dx.doi.org/10.1021/cm102610r>.
- UNEP. (2000). The Montreal Protocol on substances that deplete the ozone layer. Nairobi, Kenya: United Nations Environment Programme, Ozone Secretariat. http://www.google.com/url?sa=t&source=web&cd=1&ved=0CB1QFjAA&url=http%3A%2F%2Fwww.unep.org%2Fozone%2Fpdfs%2Fmontreal-protocol2000.pdf&ei=-c89TPX0N9PRngf-i-jdDg&usq=AFQjCNH4OHI5inPn5XFcYTVblPPRDZu-fQ&sig2=qqSaM_nuQIX1Hc409kBvgw.
- Upadhyaya, JS; Singh, SP. (1991). CHROMATOGRAPHIC STUDIES ON OXIDATION-PRODUCTS OF LIGNIN FROM SESBANIA-SESBAN. *Cellulose Chemistry and Technology.* 25: 219-226.
- Urban, S; Gestblom, B; Dabrowski, R. (1998). Dielectric studies of a 5-n-alkyl-2-(4'-isothiocyanatophenyl)-1,3-dioxane (nDBT) homologous series (n = 4-10). *Liquid Crystals.* 24: 681-688.
- Usachev, NY, a; Kalinin, VP; Udal'tsova, EA; Kazakov, AV; Belanova, EP; Kagramanov, ND. (2013). Catalytic transformations of mixtures of ethers with aliphatic and aromatic nitriles on solid acids under supercritical conditions. *Petroleum Chemistry.* 53: 187-193. <http://dx.doi.org/10.1134/S0965544113030110>.
- Van den Brink, M; Van Herk, AM; German, AL. (1999). On-line monitoring and control of the solution polymerization of n-butyl acrylate in dioxane by Raman spectroscopy. 11: 265-275.
- Van Tran, A. (2001). Effect of pH on oxygen delignification of hardwood kraft pulp. 83: 405-410.
- Varam, Y; Rajkumari, L. (2011). Complexation of N'-[1-(2,4-Dihydroxyphenyl)ethylidene]isonicotinohydrazide with Lanthanide Ions. *Journal of Chemical and Engineering Data.* 56: 3552-3560. <http://dx.doi.org/10.1021/je200370d>.
- Vargantwar, PH; Brannock, MC; Tauer, K; Spontak, RJ. (2013). Midblock-sulfonated triblock ionomers derived from a long-chain poly[styrene-b-butadiene-b-styrene] triblock copolymer. 1: 3430-3439. <http://dx.doi.org/10.1039/c2ta00022a>.
- Varshney, S; Singh, M. (2006). Densities, viscosities, and excess molar volumes of ternary liquid mixtures of bromobenzene+1,4-dioxane + (benzene or plus toluene or plus carbon tetrachloride) and some associated binary liquid mixtures. *Journal of Chemical and Engineering Data.* 51: 1136-1140. <http://dx.doi.org/10.1021/je0600303>.
- Vasishtha, R; Srivastava, AK. (1997). Polymerization of methyl acrylate using a heterocyclic ylide as an initiator and degradative chain transfer agent. *Indian J Chem Tech.* 4: 13-17.
- Vasoya, PJ; Mehta, NM; Patel, VA; Parsania, PH. (2007). Effect of temperature on ultrasonic velocity and thermodynamic parameters of cardo aromatic polysulfonate solutions. *Journal of Sci Ind Res.* 66: 841-848.
- Vavasori, A; Ronchin, L; Toniolo, L. (2012). Influence of formic acid and water on the [Pd(OAc)(2)(dppp)] catalyzed ethene-carbon monoxide copolymerization carried out in aprotic organic solvents. *Appl Catal A-Gen.* 449: 198-202. <http://dx.doi.org/10.1016/j.apcata.2012.10.005>.
- Vedharaj, S; Vallinayagam, R; Yang, WM; Chou, SK; Lee, PS. (2014). Effect of adding 1,4-Dioxane with kapok biodiesel on the characteristics of a degradative engine. *Appl Energy.* 136: 1166-1173. <http://dx.doi.org/10.1016/j.apenergy.2014.04.012>.
- Veerapur, RS; Gudasi, KB; Sairam, M; Shenoy, RV; Netaji, M; Raju, KVS, N; Sreedhar, B; Aminabhavi, TM. (2007). Novel sodium alginate composite membranes prepared by incorporating cobalt(III) complex particles used in pervaporation separation of water-acetic acid mixtures at different temperatures. *Journal of Materials Science.* 42: 4406-4417. <http://dx.doi.org/10.1007/s10853-006-0652-0>.
- Veerapur, RS; Patil, MB; Gudasi, KB; Aminabhavi, TM. (2008). Poly(vinyl alcohol)-zeolite T mixed matrix composite membranes for pervaporation separation of water+1,4-dioxane mixtures. *Separation and Purification Technology.* 58: 377-385. <http://dx.doi.org/10.1016/j.seppur.2007.05.015>.
- Ventura, F; Matia, L; Romero, J; Boleda, MR; Marti, I; Martin, J. (1995). Taste and odor events in barcelona's water supply. *Water Sci Technol.* 31: 63-68.
- Vernon, B; Martinez, A. (2005). Gel strength and solution viscosity of temperature-sensitive, in-situ-gelling polymers for endovascular embolization. *J Biomater Sci Polym Ed.* 16: 1153-1166.
- Vescovi, T; Coleman, HM; Amal, R. (2010). The effect of pH on UV-based advanced oxidation technologies--1,4-dioxane degradation. *J Hazard Mater.* 182: 75-79. <http://dx.doi.org/10.1016/j.jhazmat.2010.06.001>.
- Vialaneix, C; Senet, JP; Mouloungui, Z; Delmas, M; Gaset, A. (1991). SYNTHESIS AND INSECTICIDAL ACTIVITY OF NEW PROCARBOFURANS. *J Agric Food Chem.* 39: 1521-1526.
- Vieira, I; Sonnier, M; Cresteil, T. (1996). Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. *Eur J Biochem.* 238: 476-483. <http://dx.doi.org/10.1111/j.1432-1033.1996.0476z.x>.
- Vijila, C; Ramalingam, A. (2001). Photophysical characteristics of coumarin 485 dye doped poly(methyl methacrylate) modified with various additives. *J Mater Chem.* 11: 749-755.
- Villanueva, GB; Batt, CW; Brunner, W. (1975). EFFECTS OF DIOXANE ON THROMBIN ACTIVITIES. *Bull NY Acad Med.* 51: 330-330.
- Vinay, KB; Revanasiddappa, HD; Raghu, MS; Abdulrahman, SA; Rajendraprasad, N. (2012). Spectrophotometric Determination of Mycophenolate Mofetil as Its Charge-Transfer Complexes with Two π -Acceptors. 2012: 875942. <http://dx.doi.org/10.1155/2012/875942>.
- Vivas, N; Pianet, I; Bourgeois, G; Vitry, C; Servens, C; Glories, Y. (1998). Characterization of heartwood lignin fractions from *Quercus robur* L. and *Quercus petraea* (Matt) Liebl., the main oak species used for barrel making. *American Journal of Enology and Viticulture.* 49: 49-55.
- Vivekanand, V; Chawade, A; Larsson, M; Larsson, A; Olsson, O. (2014). Identification and qualitative characterization of high and low lignin lines from an oat TILLING population. *Ind Crop Prod.* 59: 1-8. <http://dx.doi.org/10.1016/j.indcrop.2014.04.019>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Vyhalkova, R; Müller, AH; Eisenberg, A. (2014). Control of morphology and corona composition in aggregates of mixtures of PS-b-PAA and PS-b-P4VP diblock copolymers: effects of solvent, water content, and mixture composition. *Langmuir*. 30: 13152-13163. <http://dx.doi.org/10.1021/la5028527>.
- Wagenaar, WJ; Boelhouwers, EJ; Dekok, HAM; Groen, CP; Vanhoutenlaan, CJ; Govers, HAJ; Olie, K; Degerlache, J; Derooij, CG. (1995). A COMPARATIVE-STUDY OF THE PHOTOLYTIC DEGRADATION OF OCTACHLORODIBENZOFURAN (OCDF) AND OCTACHLORODIBENZO-P-DIOXIN (OCDD). *Chemosphere*. 31: 2983-2992.
- Wala-Jerzykiewicz, A; Hreczuch, W; Szymanowski, J. (1999). Toxic contaminants in narrow- and broad-range distributed alcohol ethoxylates. *Tenside Surfactants Detergents*. 36: 122-126.
- Wala-Jerzykiewicz, A; Jerzykiewicz, W; Sobczynska, A; Szymanowski, J. (1999). Toxic contaminants in polyoxyethylene alkylamines. *Tenside Surfactants Detergents*. 36: 173-177.
- Waldemer, RH; Tratnyek, PG. (2006). Kinetics of contaminant degradation by permanganate. *Environ Sci Technol*. 40: 1055-1061. <http://dx.doi.org/10.1021/es051330s>.
- Walsh, CJ; Mandal, BK. (2000). A novel method for the peripheral modification of phthalocyanines. Synthesis and third-order nonlinear optical absorption of beta-tetrakis (2,3,4,5,6-pentaphenylbenzene)phthalocyanine. *Chem Mater*. 12: 287-+.
- Wang, B; Qiu, T; Li, S. (2010). Liquid-Liquid Equilibrium for the System Water+1,4-Dioxane+2,6-Dimethyloct-7-en-2-ol over the Temperature Range of (343.2 to 358.2) K. *Journal of Chemical and Engineering Data*. 55: 558-560. <http://dx.doi.org/10.1021/je900366m>.
- Wang, BL; Duggleby, RG; Li, ZM; Wang, JG; Li, YH; Wang, SH; Song, HB. (2005). Synthesis, crystal structure and herbicidal activity of mimics of intermediates of the KARI reaction. *Pest Manag Sci*. 61: 407-412. <http://dx.doi.org/10.1002/ps.972>.
- Wang, CW; Sinton, D; Moffitt, MG. (2013). Morphological control via chemical and shear forces in block copolymer self-assembly in the lab-on-chip. *ACS Nano*. 7: 1424-1436. <http://dx.doi.org/10.1021/nn305197m>.
- Wang, F; Jing, X; Zheng, B; Li, G; Zeng, G; Huo, Q; Liu, Y. (2013). Four Cd-Based Metal-Organic Frameworks with Structural Varieties Derived from the Replacement of Organic Linkers. *Cryst Growth Des*. 13: 3522-3527. <http://dx.doi.org/10.1021/cg400486q>.
- Wang, H; Bakheet, B; Yuan, S, hi; Li, X; Yu, G; Murayama, S; Wang, Y. (2015). Kinetics and energy efficiency for the degradation of 1,4-dioxane by electro-peroxone process. *J Hazard Mater*. 294: 90-98. <http://dx.doi.org/10.1016/j.jhazmat.2015.03.058>.
- Wang, H; Liu, S; Zhao, Y; Zhang, H; Wang, J. (2016). Molecular Origin for the Difficulty in Separation of 5-Hydroxymethylfurfural from Imidazolium Based Ionic Liquids. 4: 6712-6721. <http://dx.doi.org/10.1021/acssuschemengb01652>.
- Wang, H; Yuan, S, hi; Zhan, J; Wang, Y; Yu, G; Deng, S; Huang, J, un; Wang, B, in. (2015). Mechanisms of enhanced total organic carbon elimination from oxalic acid solutions by electro-peroxone process. *Water Res*. 80: 20-29. <http://dx.doi.org/10.1016/j.watres.2015.05.024>.
- Wang, J; Heitner, C; Manley, RSJ. (1998). The photodegradation of milled wood lignin. Part III: The effect of time and media. *Journal of Pulp & Paper Science*. 24: 337-340.
- Wang, J; Zhang, M; Zheng, Z, hi; Yu, F; Ji, J. (2013). The indirect conversion of glycerol into 1,3-dihydroxyacetone over magnetic polystyrene nanosphere immobilized TEMPO catalyst. *Chem Eng J*. 229: 234-238. <http://dx.doi.org/10.1016/j.cej.2013.05.113>.
- Wang, J; Zhang, W; Li, W; Xing, W. (2015). Preparation and characterization of chitosan-poly (vinyl alcohol)/polyvinylidene fluoride hollow fiber composite membranes for pervaporation dehydration of isopropanol. *Korean J Chem Eng*. 32: 1369-1376. <http://dx.doi.org/10.1007/s11814-014-0328-4>.
- Wang, K; Jiang, S; Liu, J; Nie, J, un; Yu, Q. (2011). Benzophenone-di-1,3-dioxane as a novel initiator for free radical photopolymerization. *Progr Org Coating*. 72: 517-521. <http://dx.doi.org/10.1016/j.porgcoat.2011.06.011>.
- Wang, K; Ma, G; Yin, R; Nie, J, un; Yu, Q. (2010). Benzophenone-1,3-dioxane as a free radial initiator for photopolymerization. *Mater Chem Phys*. 124: 453-457. <http://dx.doi.org/10.1016/j.matchemphys.2010.06.065>.
- Wang, L, in; Wang, J; Bao, Y; Li, T. (2007). Solubility of irbesartan (form A) in different solvents between 278 K and 323 K. *Journal of Chemical and Engineering Data*. 52: 2016-2017. <http://dx.doi.org/10.1021/je700296x>.
- Wang, L; Zhang, DL; Du, ZP; Wang, GY; Wang, SJ; Cao, Y. (2011). Synthesis and Properties of Lactobionamide-Based Polysiloxane Surfactant. *Tenside Surfactants Detergents*. 48: 281-285.
- Wang, M; Zhang, M; Siegers, C; Scholes, GD; Winnik, MA. (2009). Polymer vesicles as robust scaffolds for the directed assembly of highly crystalline nanocrystals. *Langmuir*. 25: 13703-13711. <http://dx.doi.org/10.1021/la900523s>.
- Wang, S; Li, Q, unS; Lin, X, iuZ; Wang, H, aiRui; Liu, L. (2007). Solubility of 3-nitrophthalic acid in different solvents between 278 K and 353 K. *Journal of Chemical and Engineering Data*. 52: 876-877. <http://dx.doi.org/10.1021/je0604737>.
- Wang, S; Zhang, P; Song, Z; Du, Y; Qu, Y. (2014). Solution thermodynamics of S-ibuprofen n-octyl-d-glucamine salt in ethanol plus water cosolvent mixtures. *Fluid Phase Equilibria*. 372: 69-75. <http://dx.doi.org/10.1016/j.fluid.2014.04.003>.
- Wang, S, hu; Zhang, T; Li, J; Fang, L; Liu, X; Guo, M, in. (2016). Exploration of the Origin of the UV Absorption Performance of Windmill Palm Fiber. *BioResources*. 11: 2607-2616.
- Wang, TT; Lee, SC. (2004). Stearic acid via organometallic phase transfer catalyzed hydrogenation of oleic acid. *Journal of the Chinese Institute of Chemical Engineers*. 35: 179-188.
- Wang, XL; Chen, YY; Wang, YZ. (2010). Synthesis of poly(p-dioxanone) catalyzed by Zn L-lactate under microwave irradiation and its application in ibuprofen delivery. *J Biomater Sci Polym Ed*. 21: 927-936. <http://dx.doi.org/10.1163/156856209X452269>.
- Wang, XL; Yang, KK; Wang, YZ; Wang, DY; Yang, Z. (2004). Crystallization and morphology of a novel biodegradable polymer system: poly(1,4-dioxan-2-one)/starch blends. *Acta Materialia*. 52: 4899-4905. <http://dx.doi.org/10.1016/j.actamat.2004.06.044>.
- Wang, XM; Yasukawa, E; Kasuya, S. (2000). Lithium imide electrolytes with two-oxygen-atom-containing cycloalkane solvents for 4 V lithium metal rechargeable batteries. *J Electrochem Soc*. 147: 2421-2426.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Wang, XP; Li, N; Wang, WZ. (2001). Pervaporation properties of novel alginate composite membranes for dehydration of organic solvents. *J Memb Sci.* 193: 85-95.
- Wang, Z; Cao, Y; Song, J; Xie, Z; Wang, Y. (2016). Cooperation of Amphiphilicity and Crystallization for Regulating the Self-Assembly of Poly(ethylene glycol)-block-poly(lactic acid) Copolymers. *Langmuir.* 32: 9633-9639. <http://dx.doi.org/10.1021/acs.langmuir.6b02211>.
- Ward, JM; Uno, H; Kurata, Y; Weghorst, CM; Jang, JJ. (1993). Cell-proliferation not associated with carcinogenesis in rodents and humans [Review]. *Environ Health Perspect.* 101: 125-135. <http://dx.doi.org/10.2307/3431855>.
- Warth, V; Stef, N; Glaude, PA; Battin-Leclerc, F; Scacchi, G; Come, GM. (1998). Computer-aided derivation of gas-phase oxidation mechanisms: Application to the modeling of the oxidation of n-butane. *Combust Flame.* 114: 81-102.
- Watanabe, J; Hayashi, S; Kawajiri, K. (1994). Different regulation and expression of the human CYP2E1 gene due to the RsaI polymorphism in the 5'-flanking region. *J Biochem.* 116: 321-326.
- Waxman, DJ; Pampori, NA; Ram, PA; Agrawal, AK; Shapiro, BH. (1991). Interpulse interval in circulating growth hormone patterns regulates sexually dimorphic expression of hepatic cytochrome P450. *Proc Natl Acad Sci USA.* 88: 6868-6872.
- Wei, G; Ma, PX. (2004). Structure and properties of nano-hydroxyapatite/polymer composite scaffolds for bone tissue engineering. *Biomaterials.* 25: 4749-4757. <http://dx.doi.org/10.1016/j.biomaterials.2003.12.005>.
- Wesslein, M; Heintz, A; Lichtenthaler, RN. (1990). Pervaporation of liquid-mixtures through poly(vinyl alcohol) (PVA) membranes .2. The binary-systems methanol 1-propanol and methanol dioxane and the ternary-system water-methanol 1-propanol. *J Memb Sci.* 51: 181-188.
- Whited, BM; Goldstein, AS; Skrtic, D; Love, BJ. (2006). Fabrication and characterization of poly(DL-lactic-co-glycolic acid)/zirconia-hybridized amorphous calcium phosphate composites. *J Biomater Sci Polym Ed.* 17: 403-418.
- Wielgus, M; Michalska, J; Samoc, M; Bartkowiak, W. (2015). Two-photon solvatochromism III: Experimental study of the solvent effects on two-photon absorption spectrum of p-nitroaniline. *Dyes and Pigments.* 113: 426-434. <http://dx.doi.org/10.1016/j.dyepig.2014.09.009>.
- Wiemann, C; Enzmann, H; Löser, E; Schlüter, G. (1999). Nonlinearity of nuclear enlargement in hepatocytes induced by the carcinogen N'-nitrosomorpholine in Ovo. *Cancer Detect Prev.* 23: 485-495.
- Winzer, A; Meisser, J. (1995). RADIOCHEMICAL STUDIES OF THE INFLUENCE OF PHOTOGRAPHICALLY ACTIVE SUBSTANCES ON THE KINETICS OF THE MASS-TRANSFER AT SILVER-HALIDE CRYSTALS .12. THE INFLUENCE OF ORGANIC-SOLVENTS. 22: 225-238.
- Wolfe, NL; Jeffers, PM. (2000). Hydrolysis. In RS Boethling; D Mackay (Eds.), (pp. 311-333). Boca Raton, FL: Lewis Publishers. <http://dx.doi.org/10.1201/9781420026283.ch13>.
- Wolfe, PS; Lochee, Y; Jhurry, D; Bhaw-Luximon, A; Bowlin, GL. (2011). Characterization of Electrospun Novel Poly(ester-ether) Copolymers: 1,4-Dioxan-2-one and D,L-3-Methyl-1,4-dioxan-2-one. *Journal of Engineered Fabrics and Fibers.* 6: 60-69.
- Wolford, ST; Schroer, RA; Gohs, FX; Gallo, PP; Brodeck, M; Falk, HB; Ruhren, R. (1986). Reference range data base for serum chemistry and hematology values in laboratory animals. *J Toxicol Environ Health A.* 18: 161-188. <http://dx.doi.org/10.1080/15287398609530859>.
- Wong, BM; Lacina, D; Nielsen, IM; Graetz, J; Allendorf, MD. (2011). Thermochemistry of Alane Complexes for Hydrogen Storage: A Theoretical and Experimental Investigation. *J Phys Chem C.* 115: 7778-7786. <http://dx.doi.org/10.1021/jp112258s>.
- Woodbury, A; Sudicky, E; Ulrych, TJ; Ludwig, R. (1998). Three-dimensional plume source reconstruction using minimum relative entropy inversion. *J Contam Hydrol.* 32: 131-158.
- Wright, PJ; Wallis, AFA. (1998). Rapid determination of cellulose in plantation eucalypt woods to predict kraft pulp yields. *Tappi Journal.* 81: 126-130.
- Wroblewski, AE; Verkade, JG. (1992). MOISTURE RELEASE FROM ARGONNE PREMIUM COAL SAMPLES - A QUANTITATIVE P-31 NMR SPECTROSCOPIC STUDY. *Energy Fuels.* 6: 331-335.
- Wu, J; Low, PF; Roth, CB. (1994). EFFECT OF 1,4-DIOXANE ON THE EXPANSION OF MONTMORILLONITE LAYERS IN MONTMORILLONITE WATER-SYSTEMS. *Clays and Clay Minerals.* 42: 109-113.
- Wu, M, in; Li, CL; Zhang, J, in; Miao, C, cun; Zheng, YP; Sun, Y, ueM. (2012). ZrO₂-MoO₃ for the Acetalization of 1,3-Propanediol from Dilute Solutions. *Ind Eng Chem Res.* 51: 6304-6309. <http://dx.doi.org/10.1021/ie202370q>.
- Wu, M; Ni, JB; Yang, ZH; Li, CL; Bu, CF; Sun, YM. (2010). Preparation of Zirconia Promoted Sulfated Titania System with High Catalytic Activity. *Chem Eng Tech.* 33: 2044-2050. <http://dx.doi.org/10.1002/ceat.201000206>.
- Wu, P, anPan; Zhao, DM, ei; Li, L, iXia; Wang, H, aiSu; Liu, G, uoD. (2013). Preparation of Blends of Poly(methyl methacrylate) Copolymers With High Glass Transition Temperatures and Low Hydrophilicity. *Polymer Engineering and Science.* 53: 2370-2377. <http://dx.doi.org/10.1002/pen.23502>.
- Wu, Y, iC; Huang, HP; Chien, IL. (2014). Investigation of the Energy-Saving Design of an Industrial 1,4-Dioxane Dehydration Process with Light Feed Impurity. *Ind Eng Chem Res.* 53: 15667-15685. <http://dx.doi.org/10.1021/ie501831>.
- Wu, Z; Chen, H; Liu, X; Zhang, Y; Li, D; Huang, H. (2009). Protein adsorption on poly(N-vinylpyrrolidone)-modified silicon surfaces prepared by surface-initiated atom transfer radical polymerization. *Langmuir.* 25: 2900-2906. <http://dx.doi.org/10.1021/la8037523>.
- Wu, ZH; Tanaka, H. (1996). Amidations of rosin with isocyanates. *Kyushu University Faculty of Agriculture Journal.* 41: 83-89.
- Xia, C; Liu, Y; Zhou, S; Yang, C; Liu, S; Xu, J, ie; Yu, J; Chen, J; Liang, X. (2009). The Pd-catalyzed hydrodechlorination of chlorophenols in aqueous solutions under mild conditions: A promising approach to practical use in wastewater. *J Hazard Mater.* 169: 1029-1033. <http://dx.doi.org/10.1016/j.jhazmat.2009.04.043>.
- Xiao, Z; Jia, Y; Haoran, L; Shijun, H. (2007). Prediction of vapor-liquid equilibrium data from C-H band shift of IR spectra in some binary systems. *Chinese Journal of Chemical Engineering.* 15: 97-101.
- Xiong, F; Zhou, L; Qian, L; Liu, S. (2015). Effects of Pretreatment Methods Using Various 1,4-Dioxane Concentrations on the Performance of Lignocellulosic Films of Eucalyptus citriodora. *BioResources.* 10: 1149-1161.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Xu, F; Jiang, JX; Sun, R; Tang, JN; Sun, J; Su, Y. (2008). Fractional isolation and structural characterization of mild ball-milled lignin in high yield and purity from *Eucommia ulmoides* Oliv. *Wood Science and Technology*. 42: 211-226. <http://dx.doi.org/10.1007/s00226-007-0162-5>.
- Xu, F; Sun, R, unC; Zhai, M, eiZhi; Sun, J, inXia; She, D; Geng, ZC; Lu, Q, i. (2008). Fractional separation of hemicelluloses and lignin in high yield and purity from mild ball-milled *Periploca sepium*. *Separation Science and Technology*. 43: 3351-3375. <http://dx.doi.org/10.1080/01496390802063721>.
- Xu, J, iKun; Sun, YC; Xu, F; Sun, R, unC. (2013). Characterization of Hemicelluloses Obtained from Partially Delignified *Eucalyptus* Using Ionic Liquid Pretreatment. *BioResources*. 8: 1946-1962.
- Xu, J; Zheng, H; Liu, H; Zhou, C; Zhao, Y; Li, Y; Li, Y. (2010). Crystal Hierarchical Supramolecular Architectures from 1-D Precursor Single-Crystal Seeds. *J Phys Chem C*. 114: 2925-2931. <http://dx.doi.org/10.1021/jp911595m>.
- Xu, K; Chanthad, C; Hickner, MA; Wang, Q. (2010). Highly selective proton conductive networks based on chain-end functionalized polymers with perfluorosulfonate side groups. *J Mater Chem*. 20: 6291-6298. <http://dx.doi.org/10.1039/c000044b>.
- Xu, M; Li, Y; Suo, H; Yan, Y; Liu, L; Wang, Q; Ge, Y; Xu, Y. (2010). Fabricating a pearl/PLGA composite scaffold by the low-temperature deposition manufacturing technique for bone tissue engineering. *Biofabrication*. 2: 025002. <http://dx.doi.org/10.1088/1758-5082/2/2/025002>.
- Xu, RJ; Leonard, J; Bui, VT. (1996). Vapor pressure for mixtures of methylene ester oligomers with p-dioxane and chloroform. *Journal of Chemical and Engineering Data*. 41: 681-684.
- Xue, L; Han, Y. (2009). Autophobic dewetting of a poly(methyl methacrylate) thin film on a silicon wafer treated in good solvent vapor. *Langmuir*. 25: 5135-5140. <http://dx.doi.org/10.1021/la8041814>.
- Yadav, DJS; Singh, KC; Sharma, VK. (2008). Molar excess volumes and excess isentropic compressibilities of ternary mixtures of o-toluidine. *Journal of Chemical and Engineering Data*. 53: 1935-1939. <http://dx.doi.org/10.1021/je800100m>.
- Yadav, GD; Hude, MP; Talpade, AD. (2015). Microwave assisted process intensification of lipase catalyzed transesterification of 1,2 propanediol with dimethyl carbonate for the green synthesis of propylene carbonate: Novelities of kinetics and mechanism of consecutive reactions. *Chem Eng J*. 281: 199-208. <http://dx.doi.org/10.1016/j.cej.2015.06.036>.
- Yadav, GD; Jadhav, SR. (2005). Synthesis of reusable lipases by immobilization on hexagonal mesoporous silica and encapsulation in calcium alginate: Transesterification in non-aqueous medium. *Microporous and Mesoporous Materials*. 86: 215-222. <http://dx.doi.org/10.1016/j.micromeso.2005.07.018>.
- Yadav, M; Singh, SK; Sharma, JK; Yadav, KDS. (2011). Oxidation of polyaromatic hydrocarbons in systems containing water miscible organic solvents by the lignin peroxidase of *Gleophyllum striatum* MTCC-1117. *Environ Technol*. 32: 1287-1294. <http://dx.doi.org/10.1080/09593330.2010.535177>.
- Yager, BJ; Doerr, KW. (1970). DETERMINATION OF RELATIVE ACTIVITY OF METHYL ACETATE IN AQUEOUS DIOXANE BY VAPOR PHASE CHROMATOGRAPHY. *Tex J Sci*. 21: 334-&.
- Yager, BJ; Doerr, KW. (1972). RELATIVE ACTIVITY OF METHYL ACETATE IN AQUEOUS-DIOXANE SOLUTIONS. *Tex J Sci*. 24: 13-&.
- Yager, BJ; KUNTSCHI.LF. (1971). RELATIVE ACTIVITY COEFFICIENTS OF SODIUM HYDROXIDE IN DIOXANE-WATER SOLVENT MIXTURES. *Tex J Sci*. 23: 211-&.
- Yaginuma, R; Moriya, S; Sato, Y; Kodama, D; Tanaka, H; Kato, M. (2001). Homogenizing effect of ethers added to immiscible methanol/oil binary mixtures. 44: 401-406.
- Yaginuma, R; Moriya, S; Sato, Y; Sako, T; Kodama, D; Tanaka, H; Kato, M. (1999). Homogenizing effect of addition of ethers to immiscible binary fuels of ethanol and oil. 42: 173-177.
- Yalcin, M; Mutluay, H; Cankurtaran, H. (1998). Determination of the protonation constants of 2-[4-dimethylaminocinnamylamino] benzoic acid (DACAB) in dioxane - Water medium and preparation of some of its transition metal complexes. *Turkish Journal of Chemistry*. 22: 209-214.
- Yamamoto, A; Matsumoto, M; Hinoue, T; Mizobe, Y; Hisaki, I; Miyata, M; Tohna, N. (2009). Reversible transformation and fluorescence modulation in polymorphic crystals of n-butylammonium 2-naphthalenesulfonate. *Synthetic Metals*. 159: 905-909. <http://dx.doi.org/10.1016/j.synthmet.2009.01.062>.
- Yamamura, T; Shirasaki, K; Shiokawa, Y; Nakamura, Y; Kim, SY. (2004). Characterization of tetraketone ligands for active materials of all-uranium redox flow battery. *J Alloy Comp*. 374: 349-353. <http://dx.doi.org/10.1016/j.jallcom.2003.11.117>.
- Yan, N, i; Liu, F, ei; Chen, Y; Brusseau, ML. (2016). Influence of Groundwater Constituents on 1,4-Dioxane Degradation by a Binary Oxidant System. *Water Air Soil Pollut*. 227: 436-436. <http://dx.doi.org/10.1007/s11270-016-3146-y>.
- Yanagida, S; Nakajima, A; Kameshima, Y; Okada, K. (2008). Voltage swing interval effects on photocatalytic decomposition of 1,4-dioxane in aqueous media using TiO₂-coated stainless mesh. *Ceramic Society of Japan Journal*. 116: 181-186.
- Yanagishita, H; Maejima, C; Kitamoto, D; Nakane, T. (1994). PREPARATION OF ASYMMETRIC POLYIMIDE MEMBRANE FOR WATER-ETHANOL SEPARATION IN PERVAPORATION BY THE PHASE INVERSION PROCESS. *J Memb Sci*. 86: 231-240.
- Yang, D; Fu, L, ei; Shi, D; Li, J; Zhang, Q, i. (2016). Solubility of 3,7,9,11-Tetraoxo-2,4,6,8,10-pentaaza[3.3.3] Propellane (TOPAP) in Different Pure Solvents at Temperatures between 273.15 and 318.15 K. *Journal of Chemical and Engineering Data*. 61: 3277-3285. <http://dx.doi.org/10.1021/acs.jced.6b00349>.
- Yang, F; Qu, X; Cui, W; Bei, J; Yu, F; Lu, S; Wang, S. (2006). Manufacturing and morphology structure of polylactide-type microtubules orientation-structured scaffolds. *Biomaterials*. 27: 4923-4933. <http://dx.doi.org/10.1016/j.biomaterials.2006.05.028>.
- Yang, J; Piñol, R; Gubellini, F; Lévy, D; Albouy, PA; Keller, P; Li, MH. (2006). Formation of polymer vesicles by liquid crystal amphiphilic block copolymers. *Langmuir*. 22: 7907-7911. <http://dx.doi.org/10.1021/la061436g>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Yang, JH; Asaeda, M. (2003). Permeation mechanism of water through microporous SiO₂-ZrO₂ membranes for separation of aqueous solutions of organic solvents by pervaporation. *Separation and Purification Technology*. 32: 29-36. [http://dx.doi.org/10.1016/S1383-5866\(03\)00038-8](http://dx.doi.org/10.1016/S1383-5866(03)00038-8).
- Yang, KK; Wang, XL; Wang, YZ; Huang, HX. (2004). Effects of molecular weights of poly(p-dioxanone) on its thermal, rheological and mechanical properties and in vitro degradability. *Mater Chem Phys*. 87: 218-221. <http://dx.doi.org/10.1016/j.matchemphys.2004.05.038>.
- Yang, LM; Kang, Y; Wang, YL; Xu, LW; Kita, H; Okamoto, K. (2005). Synthesis of crown ether-containing copolyimides and their pervaporation properties to benzene/cyclohexane mixtures. *J Memb Sci*. 249: 33-39. <http://dx.doi.org/10.1016/j.memsci.2004.08.029>.
- Yang, Q; Takeuchi, M; Saito, T; Isogai, A. (2014). Formation of nanosized islands of dialkyl β -ketoester bonds for efficient hydrophobization of a cellulose film surface. *Langmuir*. 30: 8109-8118. <http://dx.doi.org/10.1021/la501706t>.
- Yang, Y, an; Duan, P, eiGao; Wang, YY; Dai, L, iYi. (2008). Additives assisted catalytic cyclo-dehydration of diethylene glycol in near-critical water. *Chemical Engineering and Processing: Process Intensification*. 47: 2402-2407. <http://dx.doi.org/10.1016/j.cep.2007.12.011>.
- Yang, Y; Nakazawa, M; Suzuki, M; Shirai, H; Hanabusa, K. (2007). Fabrication of helical hybrid silica bundles. *J Mater Chem*. 17: 2936-2943. <http://dx.doi.org/10.1039/b700615b>.
- Yangali-Quintanilla, V; Maeng, SK, yu; Fujioka, T; Kennedy, M; Amy, G. (2010). Proposing nanofiltration as acceptable barrier for organic contaminants in water reuse. *J Memb Sci*. 362: 334-345. <http://dx.doi.org/10.1016/j.memsci.2010.06.058>.
- Yao, Y; Lv, Z; Min, H; Lv, Z; Jiao, H. (2009). Isolation, identification and characterization of a novel *Rhodococcus* sp. strain in biodegradation of tetrahydrofuran and its medium optimization using sequential statistics-based experimental designs. *Bioresour Technol*. 100: 2762-2769. <http://dx.doi.org/10.1016/j.biortech.2009.01.006>.
- Yao, YG; Yoshioka, M; Shiraishi, N. (1994). SOLUBLE PROPERTIES OF LIQUEFIED BIOMASS PREPARED IN ORGANIC-SOLVENTS .1. THE SOLUBLE BEHAVIOR OF LIQUEFIED BIOMASS IN VARIOUS DILUENTS. 40: 176-184.
- Yashima, T; Katoh, Y; Komatsu, T. (1999). Synthesis of 3-methyl-3-butene-1-ol from isobutene and formaldehyde on FeMCM-22 zeolites. *Stud Surf Sci Catal*. 125: 507-514.
- Yasuda, H; Tochigi, K; Miyano, Y; Noritomi, H; Hoshino, D; Shibata, R; Kato, S. (2009). Physical Properties of Tetrahydropyran and Its Applications. 16: 127-131.
- Yasuhara, A; Shiraishi, H; Nishikawa, M; Yamamoto, T; Uehiro, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Ono, Y; Kawagoshi, Y; Baba, K; Noma, Y. (1997). Determination of organic components in leachates from hazardous waste disposal sites in Japan by gas chromatography-mass spectrometry. *J Chromatogr A*. 774: 321-332. [http://dx.doi.org/10.1016/S0021-9673\(97\)00078-2](http://dx.doi.org/10.1016/S0021-9673(97)00078-2).
- Yasui, K, ei; Isobe, T; Matsushita, S; Nakajima, A. (2013). Preparation and photocatalytic activity of porous spherical TiO₂ particles comprised of H3PW12O₄₀ in hydrophobic nanopores. *Journal of Materials Science*. 48: 2290-2298. <http://dx.doi.org/10.1007/s10853-012-7007-9>.
- Yazaydin, AO; Thompson, RW. (2009). Computing Adsorbate/Adsorbent Binding Energies and Henry's Law Constants from Molecular Simulations. *Environ Eng Sci*. 26: 297-303. <http://dx.doi.org/10.1089/ees.2008.0025>.
- Ye, Y; Liu, Y; Chang, J, ie. (2014). Application of Solubility Parameter Theory to Organosolv Extraction of Lignin from Enzymatically Hydrolyzed Cornstalks. *BioResources*. 9: 3417-3427.
- Yearla, SR, ao; Padmasree, K. (2016). Preparation and characterisation of lignin nanoparticles: evaluation of their potential as antioxidants and UV protectants. *Journal of Experimental Nanoscience*. 11: 289-302. <http://dx.doi.org/10.1080/17458080.2015.1055842>.
- Yeh, CT; Tu, CH. (2007). Densities, viscosities, refractive indexes, and surface tensions for binary mixtures of 2-propanol plus benzyl alcohol, plus 2-phenylethanol and benzyl alcohol plus 2-phenylethanol at T equals (298.15, 308.15, and 318.15) K. *Journal of Chemical and Engineering Data*. 52: 1760-1767. <http://dx.doi.org/10.1021/je700140j>.
- Yen, C, hi; He, H; Lee, LJ; Ho, WSW. (2009). Synthesis and characterization of nanoporous polycaprolactone membranes via thermally- and nonsolvent-induced phase separations for biomedical device application. *J Memb Sci*. 343: 180-188. <http://dx.doi.org/10.1016/j.memsci.2009.07.024>.
- Yigit, D; Gungor, T; Gullu, M. (2013). Poly(thieno[3,4-b][1,4] dioxine) and poly([1,4] dioxino[2,3-c] pyrrole) derivatives: p-and n-dopable redox-active electrode materials for solid state supercapacitor applications. *Organic Electronics*. 14: 3249-3259. <http://dx.doi.org/10.1016/j.orgel.2013.09.037>.
- Yin, G; Ma, Y; Xiong, Y, ao; Cao, X; Li, Y; Chen, L. (2016). Enhanced AIE and different stimuli-responses in red fluorescent (1,3-dimethyl)barbituric acid-functionalized anthracenes. 4: 751-757. <http://dx.doi.org/10.1039/c5tc03629a>.
- Yin, R; Zhang, N; Wu, W; Wang, K. (2016). Poly(ethylene glycol)-grafted cyclic acetals based polymer networks with non-water-swellaable, biodegradable and surface hydrophilic properties. *Mater Sci Eng C*. 62: 137-143. <http://dx.doi.org/10.1016/j.msec.2016.01.038>.
- Yokoyama, T. (2015). REVISITING THE MECHANISM OF beta-O-4 BOND CLEAVAGE DURING ACIDOLYSIS OF LIGNIN. PART 6: A REVIEW. *Journal of Wood Chemistry and Technology*. 35: 27-42. <http://dx.doi.org/10.1080/02773813.2014.881375>.
- Yokoyama, T; Matsumoto, Y. (2008). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin. Part 1: Kinetics of the formation of enol ether from non-phenolic C-6-C-2 type model compounds. *Holzforschung*. 62: 164-168. <http://dx.doi.org/10.1515/HF2008.037>.
- Yokoyama, T; Matsumoto, Y. (2010). Revisiting the Mechanism of beta-O-4 Bond Cleavage during Acidolysis of Lignin. Part 2: Detailed Reaction Mechanism of a Non-Phenolic C-6-C-2 Type Model Compound. *Journal of Wood Chemistry and Technology*. 30: 269-282. <http://dx.doi.org/10.1080/02773811003675288>.
- Yosef, E; Benghedalia, D. (1994). EFFECT OF ISOLATION PROCEDURE ON MOLECULAR-WEIGHT DISTRIBUTION AND MONOSACCHARIDE COMPOSITION OF COTTON STALK LIGNINS. *Anim Feed Sci Technol*. 50: 27-35.
- Yoshida, S; Tanahashi, M; Shigematsu, M; Shinoda, Y. (1994). EFFECT OF REACTION MEDIUM ON DEHYDROGENATIVE POLYMERIZATION OF SINAPYL ALCOHOL. 40: 974-979.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Yoshida, Y; Tomita, B; Hse, CY. (1995). KINETICS ON COCONDENSATION BETWEEN PHENOL AND UREA THROUGH FORMALDEHYDE .3. CONCURRENT REACTIONS OF MONOMETHYLOLPHENOL AND UREA INVOLVING COCONDENSATION AND SELF-CODENSATION. 41: 652-658.
- Yoshimura, S; Kiriya, D; Kurata, T. (2014). Carbonyl-ene Reaction of Styrene Derivatives Catalyzed by H-beta Zeolite in Water. J Jpn Petrol Inst. 57: 84-87.
- Yoshino, N; Hamano, K; Omiya, Y; Kondo, Y; Ito, A; Abe, M. (1995). SYNTHESIS OF HYBRID ANIONIC SURFACTANTS CONTAINING FLUOROCARBON AND HYDROCARBON CHAINS. Langmuir. 11: 466-469.
- Yoshioka, Y; Asao, K; Yamamoto, K; Tachi, H. (2007). New method for fabricating aromatic polyamide particles with a narrow particle size distribution. Macromolecular Reaction Engineering. 1: 222-228. <http://dx.doi.org/10.1002/mren.200600019>.
- You, I; Lee, T; Nam, YS; Lee, H. (2014). Fabrication of a Micro-omnifluidic Device by Omniphilic/Omniphobic Patterning on Nanostructured Surfaces. ACS Nano. 8: 9016-9024. <http://dx.doi.org/10.1021/nn502226v>.
- You, Y; Gao, T; Qiu, F; Wang, Y; Chen, X; Jia, W; Li, R. (2013). Solubility Measurement and Modeling for 2-Benzoyl-3-chlorobenzoic Acid and 1-Chloroanthraquinone in Organic Solvents. Journal of Chemical and Engineering Data. 58: 1845-1852. <http://dx.doi.org/10.1021/je400246s>.
- Youn, NK; Heo, JE; Joo, OS; Lee, H; Kim, J; Min, BK. (2010). The effect of dissolved oxygen on the 1,4-dioxane degradation with TiO₂ and Au-TiO₂ photocatalysts. J Hazard Mater. 177: 216-221. <http://dx.doi.org/10.1016/j.jhazmat.2009.12.020>.
- Young, JD; Braun, WH; Gehring, PJ. (1978). The dose-dependent fate of 1,4-dioxane in rats. J Environ Pathol Toxicol. 2: 263-282.
- Yu, J, inWon; Choi, YM, un; Jung, J, in; You, N, amHo; Lee, DS, u; Lee, J, aeK; Goh, M. (2016). Highly microporous carbon materials synthesized from fluorine-containing poly(amic acid) adsorbed in polystyrene cryogel template. Synthetic Metals. 211: 35-39. <http://dx.doi.org/10.1016/j.synthmet.2015.11.009>.
- Yu, L; Yuan, SL; Hu, XG; Lin, RS. (2006). Studies on the interactions between some alpha-amino acids with a non-polar side chain and two saturated cyclic ethers at 298.15 K: enthalpic measurement and computer simulation. Chem Eng Sci. 61: 794-801. <http://dx.doi.org/10.1016/j.ces.2005.08.008>.
- Yu, YY, en; Tsai, CL. (2013). An approach to hybrid inorganic nanoparticles in reactive PS-b-PMSMA amphiphilic copolymers. Curr Appl Phys. 13: 1128-1136. <http://dx.doi.org/10.1016/j.cap.2013.03.003>.
- Yuan, J; Lu, Y, an; Schacher, F; Lunkenbein, T; Weiss, S; Schmalz, H; Mueller, AHE. (2009). Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Bishydrophilic Cylindrical Polymer Brushes. Chem Mater. 21: 4146-4154. <http://dx.doi.org/10.1021/cm900032m>.
- Yuan, L; Jia, GK; Li, ZY; Zhang, M; Yuan, XY. (2016). Properties and Applications of Sodium (5-methyl-2-alkyl-1,3-dioxane-5-yl)-Carboxylate Synthesized with Nanosolid Superacid. J Nanosci Nanotechnol. 16: 1085-1089. <http://dx.doi.org/10.1166/jnn.2016.10628>.
- Yuan, L, in; Li, ZY, an; Zhang, XY, u; Li, W, enYi; Zhang, M, in; Yuan, XY, ou. (2015). Crystal Structure and Antibacterial Activity of (E)-(5-ethyl-2-styryl-1,3-dioxan-5-yl) Methanol Synthesized with Nanosolid Superacid. J Nanosci Nanotechnol. 15: 9887-9891. <http://dx.doi.org/10.1166/jnn.2015.10506>.
- Yuan, Y; Chen, H. (2013). Controlling and tuning the dispersion properties of calcined kaolinite particles in various organic solvents via stepwise modification method using 3-glycidoxypropyltrimethoxysilane and dodecylamine. Appl Surf Sci. 277: 281-287. <http://dx.doi.org/10.1016/j.apsusc.2013.04.047>.
- Yue, F; Lan, W, u; Hu, S; Chen, K, eLi; Lu, F. (2016). Structural Modifications of Sugarcane Bagasse Lignins during Wet-Storage and Soda-Oxygen Pulping. 4: 5311-5318. <http://dx.doi.org/10.1021/acssuschemeng.6b00726>.
- Yufit, DS; Shishkin, OV; Zubatyuk, RI; Howard, JAK. (2014). Trimethyltrioxane (Paraldehyde) and Its Halomethanes Complexes: Crystallization, Structures, and Analysis of Packing Motifs. Cryst Growth Des. 14: 4303-4309. <http://dx.doi.org/10.1021/cg500354t>.
- Yumnam, S; Rajkumari, L. (2009). Thermodynamics of the Complexation of N-(Pyridin-2-ylmethylene) Isonicotinohydrazide with Lighter Lanthanides. Journal of Chemical and Engineering Data. 54: 28-34. <http://dx.doi.org/10.1021/je8003904>.
- Zada, A; Avny, Y; Zilkha, A. (2001). Simplified synthesis of oligoethylene glycols. Journal of Surfactants and Detergents. 4: 163-166.
- Zahid, NI; Abou-Zied, OK; Hashim, R; Heidelberg, T. (2011). Characterization of the Head Group and the Hydrophobic Regions of a Glycolipid Lyotropic Hexagonal Phase Using Fluorescent Probes. J Phys Chem C. 115: 19805-19810. <http://dx.doi.org/10.1021/jp2060393>.
- Zare-Mehrjardi, N; Khorasani, MT; Hemmesi, K; Mirzadeh, H; Azizi, H; Sadatnia, B; Hatami, M; Kiani, S; Barzin, J; Baharvand, H. (2011). Differentiation of embryonic stem cells into neural cells on 3D poly (D, L-lactic acid) scaffolds versus 2D cultures. Int J Artif Organs. 34: 1012-1023. <http://dx.doi.org/10.5301/ijao.5000002>.
- Zelano, V; Roletto, E; Vanni, A. (1983). POTENTIOMETRIC STUDY OF COPPER(II) COMPLEXES OF L-LEUCINE IN WATER-DIOXANE MIXTURES. Ann Chim. 73: 113-121.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2002). Modeling cometabolism of cyclic ethers. Environ Eng Sci. 19: 215-228.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2003). Occurrence and treatment of 1,4-dioxane in aqueous environments. Environ Eng Sci. 20: 423-432.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2004). Biodegradation of 1,4-dioxane using trickling filter. J Environ Eng. 130: 926-931. [http://dx.doi.org/10.1061/\(ASCE\)0733-9372\(2004\)130:9\(926\)](http://dx.doi.org/10.1061/(ASCE)0733-9372(2004)130:9(926)).
- Zhai, L, u; Liu, M; Xue, P; Sun, J; Gong, P; Zhang, Z; Sun, J; Lu, R, an. (2016). Nanofibers generated from nonclassical organogelators based on difluoroboron beta-diketonate complexes to detect aliphatic primary amine vapors. 4: 7939-7947. <http://dx.doi.org/10.1039/c6tc01790h>.
- Zhang, A, iP; Liu, CF, u; Sun, R. (2010). Fractional isolation and characterization of lignin and hemicelluloses from Triploid of Populus tomentosa Carr. Ind Crop Prod. 31: 357-362. <http://dx.doi.org/10.1016/j.indcrop.2009.12.003>.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Zhang, A, iP; Liu, CF, u; Sun, R, unC; Xie, J, un. (2013). Extraction, Purification, and Characterization of Lignin Fractions from Sugarcane Bagasse. *BioResources*. 8: 1604-1614.
- Zhang, A; Lu, F; Liu, C; Sun, RC. (2010). Isolation and characterization of lignins from *Eucalyptus tereticornis* (12ABL). *J Agric Food Chem*. 58: 11287-11293. <http://dx.doi.org/10.1021/jf103354x>.
- Zhang, H; Sun, B; Chen, Y; Wang, J. (2011). Synthesis of Y-Shaped Poly(N,N-dimethylamino-2-ethyl methacrylate) and Poly(trimethylene carbonate) from a New Heterofunctional Initiator. *Polymer Engineering and Science*. 51: 776-784. <http://dx.doi.org/10.1002/pen.21883>.
- Zhang, J; Lin, W; Liu, A; Yu, Z; Wan, X; Liang, D; Zhou, Q. (2008). Solvent effect on the aggregation behavior of rod-coil diblock copolymers. *Langmuir*. 24: 3780-3786. <http://dx.doi.org/10.1021/la703888m>.
- Zhang, JT; Nie, J; Ji, GZ; Jiang, XK. (1994). METHODOLOGY FOR MEASURING THE CRITICAL AGGREGATE CONCENTRATION OF NONPROBE MOLECULES. *Langmuir*. 10: 2814-2816.
- Zhang, L; Fang, W; Jiang, J. (2011). Effects of Residual Solvent on Membrane Structure and Gas Permeation in a Polymer of Intrinsic Microporosity: Insight from Atomistic Simulation. *J Phys Chem C*. 115: 11233-11239. <http://dx.doi.org/10.1021/jp2029888>.
- Zhang, S; Gedalanga, PB; Mahendra, S. (2016). Biodegradation Kinetics of 1,4-Dioxane in Chlorinated Solvent Mixtures. *Environ Sci Technol*. 50: 9599-9607. <http://dx.doi.org/10.1021/acs.est.6b02797>.
- Zhang, S; Zhang, Y, u; Liu, J; Zhang, C; Gu, N; Li, F. (2008). Preparation of anti-sperm protein 17 immunomagnetic nanoparticles for targeting cell. *J Nanosci Nanotechnol*. 8: 2341-2346. <http://dx.doi.org/10.1166/jnn.2008.084>.
- Zhang, Y; Jiang, M; Han, GC; Zhao, K, e; Tang, B, enZ; Wong, K, amS. (2015). Solvent Effect and Two-Photon Optical Properties of Triphenylamine-Based Donor-Acceptor Fluorophores. *J Phys Chem C*. 119: 27630-27638. <http://dx.doi.org/10.1021/acs.jpcc.5b06762>.
- Zhang, Y, u; Wang, H, uiHui; Wei, S; Liu, J, inQ; Wang, W. (2015). Determination and Correlation of Solubilities of 2-Isopropylthioxanthone (ITX) in Seven Different Solvents from (299.15 to 329.85) K. *Journal of Chemical and Engineering Data*. 60: 941-946. <http://dx.doi.org/10.1021/je501011t>.
- Zhang, YM; Yang, Z, iXin; Chen, Y; Ding, F, ei; Liu, Y, u. (2012). Molecular Binding and Assembly Behavior of beta-Cyclodextrin with Piperazine and 1,4-Dioxane in Aqueous Solution and Solid State. *Cryst Growth Des*. 12: 1370-1377. <http://dx.doi.org/10.1021/cg201446x>.
- Zhang, Z; Xiang, S; Zheng, Q; Rao, X; Mondal, JU; Arman, HD; Qian, G; Chen, B. (2010). A Rare Uninodal 9-Connected Metal-Organic Framework with Permanent Porosity. *Cryst Growth Des*. 10: 2372-2375. <http://dx.doi.org/10.1021/cg100183y>.
- Zhao, H; Wang, T; Zhao, X; Liu, Y, u; Hao, J. (2013). Synthesis and Properties of Poly(d,L-lactide-co-p-dioxanone) Random and Segmented Copolymers. *Journal of Polymers and the Environment*. 21: 405-414. <http://dx.doi.org/10.1007/s10924-012-0526-2>.
- Zhao, HK, un; Ji, H, aiZhe; Meng, XC; Li, RR. (2009). Solubility of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Organic Solvents and Solubility of 3-Chlorophthalic Acid and 4-Chlorophthalic Acid in Water from (283.15 to 333.15) K. *Journal of Chemical and Engineering Data*. 54: 1135-1137. <http://dx.doi.org/10.1021/je800869g>.
- Zhao, L; Hou, H; Fujii, A; Hosomi, M; Li, F. (2014). Degradation of 1,4-dioxane in water with heat- and Fe²⁺-activated persulfate oxidation. *Environ Sci Pollut Res Int*. 21: 7457-7465. <http://dx.doi.org/10.1007/s11356-014-2668-3>.
- Zhao, PS; Song, J; Zhou, SS; Zhu, Y; Jing, L; Guo, ZY. (2013). Facile 1,4-dioxane-assisted solvothermal synthesis, optical and electrochemical properties of CeO₂ microspheres. *Materials Research Bulletin*. 48: 4476-4480. <http://dx.doi.org/10.1016/j.materresbull.2013.07.055>.
- Zhao, Q; Qian, J, inWen; An, QF, u; Yang, Q; Zhang, P. (2008). A facile route for fabricating novel polyelectrolyte complex membrane with high pervaporation performance in isopropanol dehydration. *J Memb Sci*. 320: 8-12. <http://dx.doi.org/10.1016/j.memsci.2008.04.040>.
- Zhao, Y; Liu, M; Gan, L; Ma, X; Zhu, D; Xu, Z; Chen, L. (2014). Ultramicroporous Carbon Nanoparticles for the High-Performance Electrical Double-Layer Capacitor Electrode. *Energy Fuels*. 28: 1561-1568. <http://dx.doi.org/10.1021/ef402070j>.
- Zhong, C; Sasaki, T; Tada, M; Iwasawa, Y. (2006). Ni ion-containing ionic liquid salt and Ni ion-containing immobilized ionic liquid on silica: Application to Suzuki cross-coupling reactions between chloroarenes and arylboronic acids. *J Catal*. 242: 357-364. <http://dx.doi.org/10.1016/j.jcat.2006.06.020>.
- Zhong, H, ua; Brusseau, ML; Wang, Y; Yan, N, i; Quig, L; Johnson, GR. (2015). In-situ activation of persulfate by iron filings and degradation of 1,4-dioxane. *Water Res*. 83: 104-111. <http://dx.doi.org/10.1016/j.watres.2015.06.025>.
- Zhou, L; Gao, C; Xu, WJ. (2009). Amphibious polymer-functionalized CdTe quantum dots: Synthesis, thermo-responsive self-assembly, and photoluminescent properties. *J Mater Chem*. 19: 5655-5664. <http://dx.doi.org/10.1039/b905966k>.
- Zhou, Q; Wang, L, iS; Wu, J, unS; Li, M, iYi. (2007). Activity coefficients at infinite dilution of polar solutes in 1-butyl-3-methylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 52: 131-134. <http://dx.doi.org/10.1021/je060305e>.
- Zhou, Y; Chen, D; Zhu, R; Jin, X; Chen, J. (2011). STATISTICAL ANALYSIS FOR OPTIMIZING TETRAHYDROFURAN DEGRADATION BY PSEUDOMONAS OLEOVORANS DT4 IN FED-BATCH CULTURE. *Fresen Environ Bull*. 20: 2451-2459.
- Zhou, Y; Xu, M; Yi, T; Xiao, S; Zhou, Z; Li, F; Huang, C. (2007). Morphology-tunable and photoresponsive properties in a self-assembled two-component gel system. *Langmuir*. 23: 202-208. <http://dx.doi.org/10.1021/la061530x>.
- Zhou, Y, an; Zhang, JJ; Qiu, Z, hiC; Zeng, Q; Chang, JJ; Yang, K, eKe; Wang, Y, uZ. (2009). PROPERTIES OF POLY(p-DIOXANONE-URETHANE) COPOLYMERS WITH CONTROLLABLE STRUCTURES. *Soft Materials*. 7: 277-295. <http://dx.doi.org/10.1080/15394450903344736>.
- Zhu, KL; Li, MQ; Li, L; Wu, FY; Li, GX. (2005). Synthesis of beta-benzyl-alpha-phenylpyruvic acid from double carbonylation. of benzyl chloride catalyzed by CoCl₂/KPzca system. *Chinese journal of catalysis*. 26: 563-566.
- Zhu, MY; Zhang, TXY; Zeng, JH; Jiang, XK. (1997). Nature of the alternate CF₂CH₂ chain: Study based on the measurement and comparison of the CAgC's of aggregators with alternate chains and with hydrocarbon chains. *Langmuir*. 13: 3603-3609.

Engineering/Occupational Exposure Literature Search Results

Off Topic

- Zhu, T; Luo, Y; Lin, Y; Li, Q; Yu, P; Zeng, M. (2010). Study of pervaporation for dehydration of caprolactam through blend NaAlg–poly(vinyl pyrrolidone) membranes on PAN supports. *Separation and Purification Technology*. 74: 242-252. <http://dx.doi.org/10.1016/j.seppur.2010.06.012>.
- Zhu, Y; Zhu, Y; Ding, G; Zhu, S; Zheng, H; Li, Y. (2013). Highly selective synthesis of ethylene glycol and ethanol via hydrogenation of dimethyl oxalate on Cu catalysts: influence of support. *Appl Catal A-Gen*. 468: 296-304. <http://dx.doi.org/10.1016/j.apcata.2013.09.019>.
- Zhu, ZH; Ji, CZ. (1992). A STUDY OF THE HOMOGENEOUS REACTION BETWEEN A MODEL CIBACRON PRONT REACTIVE DYE AND METHYL-ALPHA-D-GLUCOSIDE. *Dyes and Pigments*. 19: 265-280.
- Zhunuspayev, DE; Mun, GA; Hole, P; Khutoryanskiy, VV. (2008). Solvent effects on the formation of nanoparticles and multilayered coatings based on hydrogen-bonded interpolymer complexes of poly(acrylic acid) with homo- and copolymers of N-vinyl pyrrolidone. *Langmuir*. 24: 13742-13747. <http://dx.doi.org/10.1021/la802852h>.
- Zienko, J. (1994). INVESTIGATIONS OF THE REACTION OF 1,2-EPIHIOBUTANE AND DIETHANOLAMINE. *Przemysł Chemiczny*. 73: 98-99.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, J. (2014). Successive and quantitative fractionation and extensive structural characterization of lignin from wheat straw. *Ind Crop Prod*. 61: 249-257. <http://dx.doi.org/10.1016/j.indcrop.2014.07.013>.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, J. (2016). Fractionation of wheat straw Dioxane lignin reveals molar mass dependent structural differences. *Ind Crop Prod*. 91: 186-193. <http://dx.doi.org/10.1016/j.indcrop.2016.07.014>.
- Ziobrowski, Z; Kiss, K; Rotkegel, A; Nemestothy, N; Krupiczka, R; Gubicza, L. (2009). Pervaporation aided enzymatic production of glycerol monostearate in organic solvents. *Desalination*. 241: 212-217. <http://dx.doi.org/10.1016/j.desa1.2008.01.067>.
- Zolfigol, MA; Ii, Chehardoli, G; Shiri, M. (2007). Epoxidation of aromatic alpha,beta-unsaturated ketones using PVP-H2O2 under mild and heterogeneous conditions. *React Funct Polym*. 67: 723-727. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.05.002>.
- Zulfiqar, S; Sarwar, MI. (2015). Effect of solvent on the CO2 capture ability of polyester: A comparative study. *J Ind Eng Chem*. 21: 1373-1378. <http://dx.doi.org/10.1016/j.jiec.2014.06.008>.
- Zulfiqar, S; Sarwar, MI. (2016). Exploring aramid as emerging contender for CO2 capture. *Chinese Journal of Chemical Engineering*. 24: 850-855. <http://dx.doi.org/10.1016/j.cjche.2016.02.003>.
- Zuo, D, anY; Li, HJ, un; Liu, HT, ao; Zhao, S, anP. (2012). Effect of different preparation methods on structure and properties of chitosan/poly-lactic acid blend porous membrane. *Journal of Porous Materials*. 19: 1015-1022. <http://dx.doi.org/10.1007/s10934-012-9564-3>.
- Zurita, JL; Garcia, DA; Postigo, MA. (1992). EXCESS MOLAR VOLUMES OF TETRACHLOROETHENE + 1,4-DIOXANE + TETRAHYDROFURAN AT 298.15 AND 308.15 K. *Journal of Chemical and Engineering Data*. 37: 206-209.
- Zuyderhoff, EM; Dupont-Gillain, CC. (2012). Nano-organized collagen layers obtained by adsorption on phase-separated polymer thin films. *Langmuir*. 28: 2007-2014. <http://dx.doi.org/10.1021/la203842q>.

Exposure Literature Search Results

On Topic

- Abe, A. (1999). Distribution of 1,4-dioxane in relation to possible sources in the water environment. *Sci Total Environ*. 227: 41-47.
- Adamson, DT; Anderson, RH; Mahendra, S; Newell, CJ. (2015). Evidence of 1,4-dioxane attenuation at groundwater sites contaminated with chlorinated solvents and 1,4-dioxane. *Environ Sci Technol*. 49: 6510-6518. <http://dx.doi.org/10.1021/acs.est.5b00964>.
- Adamson, DT; Mahendra, S; Walker, KL, Jr; Rauch, SR; Sengupta, S; Newell, CJ. (2014). A Multisite Survey To Identify the Scale of the 1,4-Dioxane Problem at Contaminated Groundwater Sites. *Environ Sci Technol Lett*. 1: 254-258. <http://dx.doi.org/10.1021/ez500092u>.
- Anderson, RH; Anderson, JK; Bower, PA. (In Press) Co-occurrence of 1,4-dioxane with trichloroethylene in chlorinated solvent groundwater plumes at US Air Force installations: Fact or fiction. *Integr Environ Assess Manag*. <http://dx.doi.org/10.1002/ieam.1306>.
- ATSDR. (2005). Health consultation. 1,4-Dioxane in private drinking water near Naval Air Station Whidbey Island, Ault Field. <http://www.docstoc.com/docs/27599091/Health-Consultation>.
- Carrera, G; Vegué, L; Boleda, MR; Ventura, F. (2017). Simultaneous determination of the potential carcinogen 1,4-dioxane and malodorous alkyl-1,3-dioxanes and alkyl-1,3-dioxolanes in environmental waters by solid-phase extraction and gas chromatography tandem mass spectrometry. *J Chromatogr A*. 1487: 1-13. <http://dx.doi.org/10.1016/j.chroma.2017.01.015>.
- Chiang, SY; Mora, R; Diguiseppi, WH; Davis, G; Sublette, K; Gedalanga, P; Mahendra, S. (2012). Characterizing the intrinsic bioremediation potential of 1,4-dioxane and trichloroethene using innovative environmental diagnostic tools. *J Environ Monit*. 14: 2317-2326. <http://dx.doi.org/10.1039/c2em30358b>.
- Fishbein, L. (1981). Carcinogenicity and mutagenicity of solvents I Glycidyl ethers, dioxane, nitroalkanes, dimethylformamide and allyl derivatives [Review]. *Sci Total Environ*. 17: 97-110.
- Fisher, J; Mahle, D; Bankston, L; Greene, R; Gearhart, J. (1997). Lactational transfer of volatile chemicals in breast milk. *Am Ind Hyg Assoc J*. 58: 425-431. <http://dx.doi.org/10.1080/15428119791012667>.
- Hamann, E; Stuyfzand, PJ; Greskowiak, J; Timmer, H; Massmann, G. (2016). The fate of organic micropollutants during long-term/long-distance river bank filtration. *Sci Total Environ*. 545-546: 629-640. <http://dx.doi.org/10.1016/j.scitotenv.2015.12.057>.
- Ikehata, K; Wang-Staley, L; Qu, X; Li, Y. (2016). Treatment of groundwater contaminated with 1,4-dioxane, tetrahydrofuran, and chlorinated volatile organic compounds using advanced oxidation processes. *Ozone: Science and Engineering*. 38: 413-424. <http://dx.doi.org/10.1080/01919512.2016.1198686>.
- Kawata, K; Ibaraki, T; Tanabe, A; Yasuhara, A. (2003). Distribution of 1,4-dioxane and N, N-dimethylformamide in river water from Niigata, Japan. *Bull Environ Contam Toxicol*. 70: 876-882. <http://dx.doi.org/10.1007/s00128-003-0064-7>.

Exposure Literature Search Results

On Topic

- Kawata, K; Tanabe, A. (2009). Distribution and variation of 1,4-dioxane in water from rivers in Niigata including the Shinano River. *Bull Environ Contam Toxicol.* 82: 673-677. <http://dx.doi.org/10.1007/s00128-009-9697-5>.
- Lee, W; Park, S, ooH; Kim, J; Jung, J, inY. (2015). Occurrence and removal of hazardous chemicals and toxic metals in 27 industrial wastewater treatment plants in Korea. *Desalination and Water Treatment.* 54: 1141-1149. <http://dx.doi.org/10.1080/19443994.2014.935810>.
- Lesage, S; Jackson, RE; Priddle, MW; Riemann, PG. (1990). Occurrence and fate of organic solvent residues in anoxic groundwater at the Gloucester landfill, Canada. *Environ Sci Technol.* 24: 559-566. <http://dx.doi.org/10.1021/es00074a016>.
- Li, J; Ma, Q; Li, W; Wang, C; Bai, H; Ma, H; Cai, T; Jiao, Y; Zhang, X. (2013). [Determination of dioxane residue in cosmetics by isotope dilution-headspace gas chromatography-mass spectrometry]. *Sepu.* 31: 481-484.
- Li, M; Mathieu, J; Yang, Y; Fiorenza, S; Deng, Y; He, Z; Zhou, J; Alvarez, PJ. (2013). Widespread distribution of soluble di-iron monooxygenase (SDIMO) genes in Arctic groundwater impacted by 1,4-dioxane. *Environ Sci Technol.* 47: 9950-9958. <http://dx.doi.org/10.1021/es402228x>.
- Nahar, M; Zhang, J. (2011). Concentration and distribution of organic and inorganic water pollutants in eastern Shizuoka, Japan. *Toxicol Environ Chem.* 93: 1946-1955. <http://dx.doi.org/10.1080/02772248.2011.610498>.
- Ouyang, Y. (2002). Phytoremediation: modeling plant uptake and contaminant transport in the soil-plant-atmosphere continuum. *J Hydrol.* 266: 66-82. [http://dx.doi.org/10.1016/S0022-1694\(02\)00116-6](http://dx.doi.org/10.1016/S0022-1694(02)00116-6).
- Ouyang, Y. (2008). Modeling the mechanisms for uptake and translocation of dioxane in a soil-plant ecosystem with STELLA. *J Contam Hydrol.* 95: 17-29. <http://dx.doi.org/10.1016/j.jconhyd.2007.07.010>.
- PADOH. (2016). Health consultation: Evaluating Post-Filter Residential Water Samples Near Baghurst Drive National Priorities List Site, Upper Salford Township, Harleysville, Montgomery County, Pennsylvania. EPA Facility ID: PAN000306939. .
- Petrelli, G; Sieti, G; Milligi, L; Vineis, P. (1993). Solvents in pesticides. *Scand J Work Environ Health.* 19: 63-65.
- Priddle, MW; Lesage, S; Jackson, RE. (1992). ANALYSIS OF OXYGENATED SOLVENTS IN GROUNDWATER BY DYNAMIC THERMAL STRIPPING-GC-MSD. *Int J Environ Anal Chem.* 49: 117-123.
- Ramírez, N; Marcé, RM; Borrull, F. (2011). Determination of volatile organic compounds in industrial wastewater plant air emissions by multi-sorbent adsorption and thermal desorption-gas chromatography-mass spectrometry. *Int J Environ Anal Chem.* 91: 911-928. <http://dx.doi.org/10.1080/03067310903584073>.
- Roy, JW; Bickerton, G. (2010). Proactive screening approach for detecting groundwater contaminants along urban streams at the reach-scale. *Environ Sci Technol.* 44: 6088-6094. <http://dx.doi.org/10.1021/es101492x>.
- Sack, TM; Steele, DH; Hammerstrom, K; Remmers, J. (1992). A survey of household products for volatile organic compounds. *Atmos Environ.* 26: 1063-1070. [http://dx.doi.org/10.1016/0960-1686\(92\)90038-M](http://dx.doi.org/10.1016/0960-1686(92)90038-M).
- Simonich, SM; Sun, P; Casteel, K; Dyer, S; Wernery, D; Garber, K; Carr, G; Federle, T. (2013). Probabilistic analysis of risks to US drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integr Environ Assess Manag.* 9: 554-559. <http://dx.doi.org/10.1002/ieam.1448>.
- Steinemann, AC. (2009). Fragranced consumer products and undisclosed ingredients. *Environ Impact Assess Rev.* 29: 32-38. <http://dx.doi.org/10.1016/j.eiar.2008.05.002>.
- Stepien, DK; Diehl, P; Helm, J; Thoms, A; Püttmann, W. (2014). Fate of 1,4-dioxane in the aquatic environment: from sewage to drinking water. *Water Res.* 48: 406-419. <http://dx.doi.org/10.1016/j.watres.2013.09.057>.
- Stepien, DK; Regnery, J; Merz, C; Püttmann, W. (2013). Behavior of organophosphates and hydrophilic ethers during bank filtration and their potential application as organic tracers. A field study from the Oderbruch, Germany. *Sci Total Environ.* 458-460: 150-159. <http://dx.doi.org/10.1016/j.scitotenv.2013.04.020>.
- Tahara, M; Obama, T; Ikarashi, Y. (2013). Development of analytical method for determination of 1,4-dioxane in cleansing products. *Int J Cosmet Sci.* 35: 575-580. <http://dx.doi.org/10.1111/ics.12079>.
- Yasuhara, A; Shiraiishi, H; Nishikawa, M; Yamamoto, T; Uehiro, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Ono, Y; Kawagoshi, Y; Baba, K; Noma, Y. (1997). Determination of organic components in leachates from hazardous waste disposal sites in Japan by gas chromatography-mass spectrometry. *J Chromatogr A.* 774: 321-332. [http://dx.doi.org/10.1016/S0021-9673\(97\)00078-2](http://dx.doi.org/10.1016/S0021-9673(97)00078-2).

Exposure Literature Search Results

Off Topic

- Abaji, G. (2011). Removal of Metal Ions from Aqueous Solution using Trioctyl Phosphine Oxide-containing Mixed Solvents in Conjunction with a Fibre-supported Solid Membrane. *AST.* 29: 169-183.
- Abdous, M; Hoseini, SM; Mohammadi-Rovshandeh, J; Javanbakht, M. (2009). Synthesis and characterization of novel biodegradable pentablock copolymers from L-lactide, p-dioxanone and poly (ethylene glycol). *Materwiss Werksttech.* 40: 676-683. <http://dx.doi.org/10.1002/mawe.200900499>.
- Abdurrahmanoglu, S; Gunduz, C; Kahir, U; Cicek, B; Bulut, M. (2005). The synthesis and complexation study of some coumestan and coumestan analog derivatives of crown ethers using conductometry. *Dyes and Pigments.* 65: 197-204. <http://dx.doi.org/10.1016/j.dyepig.2004.07.011>.
- Acevedo, IL; Pedrosa, GC; Katz, M. (1996). Excess molar enthalpies for butylamine plus 1,4-dioxane plus carbon tetrachloride at 298.15 K. *Journal of Chemical and Engineering Data.* 41: 391-393.

Exposure Literature Search Results

Off Topic

- Acosta Santamaria, V; Deplaine, H; Mariggio, D; Villanueva-Molines, AR; Garcia-Aznar, JM; Gomez Ribelles, JL; Doblare, M; Gallego Ferrer, G; Ochoa, I. (2012). Influence of the macro and micro-porous structure on the mechanical behavior of poly(L-lactic acid) scaffolds. *Journal of Non-Crystalline Solids*. 358: 3141-3149. <http://dx.doi.org/10.1016/j.jnoncrysol.2012.08.001>.
- Acree, WE. (1993). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE - COMMENTS. *Fluid Phase Equilibria*. 87: 379-383.
- Adams, CD; Scanlan, PA; Secrist, ND. (1994). OXIDATION AND BIODEGRADABILITY ENHANCEMENT OF 1,4-DIOXANE USING HYDROGEN-PEROXIDE AND OZONE. *Environ Sci Technol*. 28: 1812-1818.
- Adams, TA; Seider, WD. (2009). Semicontinuous reactive extraction and reactive distillation. *Chem Eng Res Des*. 87: 245-262. <http://dx.doi.org/10.1016/j.chemd.2008.08.005>.
- Adamson, DT; de Blanc, PC; Farhat, SK; Newell, CJ. (2016). Implications of matrix diffusion on 1,4-dioxane persistence at contaminated groundwater sites. *Sci Total Environ*. 562: 98-107. <http://dx.doi.org/10.1016/j.scitotenv.2016.03.211>.
- Adoor, SG; Manjeshwar, LS; Naidu, BVK; Sairam, M; Aminabhavi, TA. (2006). Poly(vinyl alcohol)/poly(methyl methacrylate) blend membranes for pervaporation separation of water plus isopropanol and water+1,4-dioxane mixtures. *J Memb Sci*. 280: 594-602. <http://dx.doi.org/10.1016/j.memsci.2006.02.017>.
- Adoor, SG; Sairam, M; Manjeshwar, LS; Raju, KVS, N; Aminabhavi, TM. (2006). Sodium montmorillonite clay loaded novel mixed matrix membranes of poly(vinyl alcohol) for pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane. *J Memb Sci*. 285: 182-195. <http://dx.doi.org/10.1016/j.memsci.2006.08.022>.
- Afrin, T; Tsuzuki, T; Kanwar, RK; Wang, X. (2012). The origin of the antibacterial property of bamboo. *J Text Inst*. 103: 844-849. <http://dx.doi.org/10.1080/00405000.2011.614742>.
- Ageev, YP; Matushkina, NN; Strusovskaya, NL. (1992). PERVAPORATION THROUGH STRUCTURALLY UNSTABLE POLYMERIC MEMBRANES. *J Memb Sci*. 67: 167-175.
- Aghaie, M; Giahji, M; Aghaie, H; Arvand, M; Pournaghdy, M; Yavari, F. (2009). New Fe(II) Ion-selective electrode based On N-Phenylaza-15-Crown-5 as neutral carrier in PVC matrix. *Desalination*. 247: 346-354. <http://dx.doi.org/10.1016/j.desal.2008.10.007>.
- Agirre, I; Guemez, MB; Ugarte, A; Requies, J; Barrio, VL; Cambra, JF; Arias, PL. (2013). Glycerol acetals as diesel additives: Kinetic study of the reaction between glycerol and acetaldehyde. *Fuel Process Tech*. 116: 182-188. <http://dx.doi.org/10.1016/j.fuproc.2013.05.014>.
- Agrawal, BP; Srivastava, AK. (1995). TEMPLATE POLYMERIZATION OF ZINC-DIACRYLATE ON POLYVINYL ACETATE. *Indian J Chem Tech*. 2: 69-73.
- Aguie-Beghin, V; Baumberger, S; Monties, B; Douillard, R. (2002). Formation and characterization of spread lignin layers at the air/water interface. *Langmuir*. 18: 5190-5196. <http://dx.doi.org/10.1021/la011766v>.
- Aguié-Béghin, V; Foulon, L; Soto, P; Crônier, D; Corti, E; Legée, F; Cézard, L; Chabbert, B; Maillard, MN; Huijgen, WJ; Baumberger, S. (2015). Use of food and packaging model matrices to investigate the antioxidant properties of biorefinery grass lignins. *J Agric Food Chem*. 63: 10022-10031. <http://dx.doi.org/10.1021/acs.jafc.5b03686>.
- Ahmad, A; Collins, RA. (1993). UV-VISIBLE SPECTROSCOPY OF MONOCLINIC AND TRICLINIC LEAD PHTHALOCYANINE. *Mater Lett*. 17: 292-296.
- Ahmad, A; Salahuddin, A. (1996). Effect of organic solvents on lysozyme-antilysozyme precipitin reaction. *Comp Biochem Physiol C Comp Pharmacol Toxicol*. 114: 119-121. [http://dx.doi.org/10.1016/0742-8413\(96\)00020-5](http://dx.doi.org/10.1016/0742-8413(96)00020-5).
- Ahmad, RTM; Hong, SH, o; Shen, TZ, i; Song, JK, un. (2016). Water-assisted stable dispersal of graphene oxide in non-dispersible solvents and skin formation on the GO dispersion2. *Carbon*. 98: 188-194. <http://dx.doi.org/10.1016/j.carbon.2015.11.007>.
- Ahmed, IT; Soliman, ES; Boraei, AA. (2004). The acidity constants of some pyrimidine bases in various water-organic solvent media. *Ann Chim*. 94: 847-856. <http://dx.doi.org/10.1002/adic.200490105>.
- Aitchison, EW; Kelley, SL; Alvarez, PJJ; Schnoor, JL. (2000). Phytoremediation of 1,4-dioxane by hybrid poplar trees. *Water Environ Res*. 72: 313-321.
- Akbarzadeh, R; Minton, JA; Janney, CS; Smith, TA; James, PF; Yousefi, AM. (2015). Hierarchical polymeric scaffolds support the growth of MC3T3-E1 cells. *J Mater Sci Mater Med*. 26: 116. <http://dx.doi.org/10.1007/s10856-015-5453-z>.
- Akim, LG; Cordeiro, N; Neto, CP; Gandini, A. (2000). Comparative analysis of the lignins of cork from *Quercus suber* L. and wood from *Eucalyptus globulus* L. by dry hydrogen iodide cleavage. *ACS Symp Ser Am Chem Soc*. 742: 291-302.
- Akinfiev, N; Zotov, A. (1999). Thermodynamic description of equilibria in mixed fluids (H₂O-non-polar gas) over a wide range of temperature (25-700 degrees C) and pressure (1-5000 bars). *Geochim Cosmo Acta*. 63: 2025-2041.
- Akiyama, Y; Ikeda, T; Kawai, A; Kiyozumi, Y; Mizukami, F. (2004). Synthesis and characterization of new layered silicates in the system SiO₂-NaOH-tetramethylammonium hydroxide-1,4-dioxane. *Mater Chem Phys*. 86: 112-122. <http://dx.doi.org/10.1016/j.matchemphys.2004.02.016>.
- Akkouch, A; Zhang, Z; Rouabhia, M. (2011). A novel collagen/hydroxyapatite/poly(lactide-co-ε-caprolactone) biodegradable and bioactive 3D porous scaffold for bone regeneration. *J Biomed Mater Res A*. 96: 693-704. <http://dx.doi.org/10.1002/jbm.a.33033>.
- Al Alousi, AS, h; Shehata, MR; Shoukry, MM; Mohamed, NM. (2009). Interaction of dimethyltin(IV) and trimethyltin(IV) with dehydroacetic acid. *Chem Speciation Bioavailability*. 21: 1-6. <http://dx.doi.org/10.3184/095422909X416216>.
- Aleksandrov, EM; Abdullaev, BF; Aleksandrova, TV; Kozlovskaya, GP; Lubyansetskaya, KF. (1994). PROPERTIES OF SODIUM TUNGSTATE RECRYSTALLIZED FROM WATER PLUS DIOXANE AND WATER PLUS ACETONE MIXED-SOLVENTS. *Inorg Mater*. 30: 915-916.
- Aleksandrov, EM; Balyberdin, AN; Lubyansetskaya, KF; Mikheev, VN. (1986). ION-EXCHANGE BETWEEN SrCO₃ CRYSTALS AND AN AMMONIUM TUNGSTATE SOLUTION IN MIXTURES OF WATER + DIOXANE. *Inorg Mater*. 22: 236-239.
- Aleksandrov, EM; Lubyansetskaya, KF; Mikeev, VN. (1983). ION-EXCHANGE PROCESS IN THE BaCO₃(CR)-WO₄(SOLN)-O-Z- SYSTEM IN WATER DIOXANE MIXTURES. *Inorg Mater*. 19: 713-717.

Exposure Literature Search Results

Off Topic

- Aleksandrov, EM; Perlovich, NG; Aleksandrova, TV; Lubyansetskaya, KF. (1994). GRANULOMETRIC COMPOSITION OF K₂CRO₄ PRECIPITATED FROM WATER PLUS ACETONE AND WATER PLUS DIOXANE MIXTURES. *Inorg Mater.* 30: 625-627.
- Alexandre, MC; Popineau, Y; Viroben, G; Chiarello, M; Lelion, A; Gueguen, J. (1993). WHEAT GAMMA GLIADIN AS SUBSTRATE FOR BOVINE PLASMA FACTOR-XIII. *J Agric Food Chem.* 41: 2208-2214.
- Alicilar, A; Bicer, A; Murathan, A. (1994). THE RELATION BETWEEN WETTING EFFICIENCY AND LIQUID HOLDUP IN PACKED-COLUMNS. *Chemical Engineering Communications.* 128: 95-107.
- Allcock, NR; Sunderland, NJ; Primrose, AP; Rheingold, AL; Guzei, IA; Parvez, M. (1999). A new host for polymer and small-molecule clathration. *Chem Mater.* 11: 2478-2485.
- Almonasy, N; Nepras, M; Hykova, S; Lycka, A; Cermak, J; Dvorak, M; Michl, M. (2009). The synthesis of N-derivatives of 3-aminoperylene and their absorption and fluorescence properties. *Dyes and Pigments.* 82: 164-170. <http://dx.doi.org/10.1016/j.dyepig.2008.12.009>.
- Al-Najjar, AA; Mohamed, MM; Shehata, MR; Shoukry, MM. (2006). Tripropyltin(IV) complexes with some selected bioligands in 50% v/v dioxane/water mixture. *Ann Chim.* 96: 97-107.
- Altiokka, MR; Citak, A. (2003). Kinetics study of esterification of acetic acid with isobutanol in the presence of amberlite catalyst. *Appl Catal A-Gen.* 239: 141-148.
- Altiokka, MR; Hosgun, HL. (2007). Kinetics of hydrolysis of benzaldehyde dimethyl acetal over Amberlite IR-120. *Ind Eng Chem Res.* 46: 1058-1062. <http://dx.doi.org/10.1021/ie060716o>.
- Altundas, A; Menzek, A; Gultekin, DD; Karakaya, M. (2005). Excellent and convenient procedures for reduction of benzene and its derivatives. *Turkish Journal of Chemistry.* 29: 513-518.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Advanced oxidation of five contaminants in water by UV/TiO₂: Reaction kinetics and byproducts identification. *J Environ Manage.* 181: 544-551. <http://dx.doi.org/10.1016/j.jenvman.2016.07.015>.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Photocatalytic Oxidation of Five Contaminants of Emerging Concern by UV/TiO₂: Identification of Intermediates and Degradation Pathways. *Environ Eng Sci.* 33: 140-147. <http://dx.doi.org/10.1089/ees.2015.0388>.
- Aminabhavi, TM; Aminabhavi, VA; Balundgi, RH. (1991). EXCESS PROPERTIES OF BINARY-MIXTURES OF FLUOROBENZENE WITH ALIPHATIC LIQUIDS IN THE TEMPERATURE-RANGE 298.15-K-313.15-K. 29: 473-477.
- Aminabhavi, TM; Gopalakrishna, B. (1995). DENSITY, VISCOSITY, REFRACTIVE-INDEX, AND SPEED OF SOUND IN AQUEOUS MIXTURES OF N,N-DIMETHYLFORMAMIDE, DIMETHYL-SULFOXIDE, N,N-DIMETHYLACETAMIDE, ACETONITRILE, ETHYLENE-GLYCOL, DIETHYLENE GLYCOL, 1,4-DIOXANE, TETRAHYDROFURAN, 2-METHOXYETHANOL, AND 2-ETHOXYETHANOL AT 298.15 K. *Journal of Chemical and Engineering Data.* 40: 856-861.
- Aminabhavi, TM; Harlapur, SF. (1997). Sorption and diffusion of organic liquids into engineering fluoroelastomer membranes in the temperature interval 30-60 degrees C. *Chemical Engineering and Processing: Process Intensification.* 36: 363-370.
- Aminabhavi, TM; Patil, VB. (1998). Density, viscosity, refractive index, and speed of sound in binary mixtures of ethenylbenzene with N,N-dimethylacetamide, tetrahydrofuran, N,N-dimethylformamide, 1,4-dioxane, dimethyl sulfoxide, chloroform, bromoform, and 1-chloronaphthalene in the temperature interval (298.15-308.15) K. *Journal of Chemical and Engineering Data.* 43: 497-503.
- Amireche-Ziar, F; Richon, D; Belaribi, FB. (2013). Excess molar enthalpies for binary mixtures of 1,2-dichloroethane with ethers at 298.15 K and atmospheric pressure. *Fluid Phase Equilibria.* 337: 255-258. <http://dx.doi.org/10.1016/j.fluid.2012.10.001>.
- Amirilargani, M; Sadatnia, B. (2014). Poly(vinyl alcohol)/zeolitic imidazolate frameworks (ZIF-8) mixed matrix membranes for pervaporation dehydration of isopropanol. *J Memb Sci.* 469: 1-10. <http://dx.doi.org/10.1016/j.memsci.2014.06.034>.
- Amnuaypanich, S; Patthana, J; Phinyocheep, P. (2009). Mixed matrix membranes prepared from natural rubber/poly(vinyl alcohol) semi-interpenetrating polymer network (NR/PVA semi-IPN) incorporating with zeolite 4A for the pervaporation dehydration of water-ethanol mixtures. *Chem Eng Sci.* 64: 4908-4918. <http://dx.doi.org/10.1016/j.ces.2009.07.028>.
- Amrutia, RR; Mehta, NM; D Karia, F; Parsania, PH. (2006). Ultrasonic velocity and acoustical parameters of poly (4,4'-cyclo-hexylidene diphenyloxy-4,4'-diphenylenesulfone) solutions at different temperatures. *Journal of Sci Ind Res.* 65: 905-911.
- An, YJ; Kwak, J; Nam, SH; Jung, MS. (2014). Development and implementation of surface water quality standards for protection of human health in Korea. *Environ Sci Pollut Res Int.* 21: 77-85. <http://dx.doi.org/10.1007/s11356-013-1626-9>.
- Ananchenko, GS; Udachin, KA; Pojarova, M; Dubes, A; Ripmeester, JA; Jebors, S; Coleman, AW. (2006). Van der Waals nanocapsular complexes of amphiphilic calixarenes. *Cryst Growth Des.* 6: 2141-2148. <http://dx.doi.org/10.1021/cg0603826>.
- Anderson, JE. (1994). THE DEBYE-FALKENHAGEN EFFECT - EXPERIMENTAL FACT OR FICTION. *Journal of Non-Crystalline Solids.* 172: 1190-1194.
- Andre, V; Braga, D; Grepioni, F; Duarte, MT. (2009). Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. *Cryst Growth Des.* 9: 5108-5116. <http://dx.doi.org/10.1021/cg900495s>.
- Angel Mueses, M; Machuca-Martinez, F; Li Puma, G. (2013). Effective quantum yield and reaction rate model for evaluation of photocatalytic degradation of water contaminants in heterogeneous pilot-scale solar photoreactors. *Chem Eng J.* 215: 937-947. <http://dx.doi.org/10.1016/j.cej.2012.11.076>.
- Anjun, Q; Hu, K; Shaojun, L; Cheng, Y. (2003). A thermally stable chromophore with multi-intramolecular charge-transfer and its poled polymer. *Synthetic Metals.* 137: 1517-1518. [http://dx.doi.org/10.1016/S0379-6779\(02\)01216-X](http://dx.doi.org/10.1016/S0379-6779(02)01216-X).
- Anon. (2004). Cultivating 1,4-dioxane-loving bacteria for remediation. *Chemical Engineering Progress.* 100: 8-9.
- Antonio Gonzalez, J. (2010). Thermodynamics of Mixtures Containing Oxaalkanes. 4. Random Mixing and Orientational Effects in Ether plus Alkane Systems. *Ind Eng Chem Res.* 49: 9511-9524. <http://dx.doi.org/10.1021/ie101264p>.
- Antonio Gonzalez, J; Garcia de la Fuente, I; Carlos Cobos, J; Riesco, N. (2012). Thermodynamics of Mixtures Containing Oxaalkanes. 7. Random Mixing in Ether + CCl₄ Systems. *Ind Eng Chem Res.* 51: 5108-5116. <http://dx.doi.org/10.1021/ie300094e>.

Exposure Literature Search Results

Off Topic

- Antoniou, MG; Andersen, HR. (2015). Comparison of UVC/S2O82- with UVC/H2O2 in terms of efficiency and cost for the removal of micropollutants from groundwater. *Chemosphere*. 119: S81-S88. <http://dx.doi.org/10.1016/j.chemosphere.2014.03.029>.
- Antonovic, A; Jambrekovic, V; Pervan, S; Istvanic, J; Greger, K; Public, A. (2008). A supplement to the research of native lignin of beech sapwood (*Fagus sylvatica* L.). 53: 55-68.
- Ara, M; Watanabe, M; Imai, Y. (2002). Effect of blending calcium compounds on hydrolytic degradation of poly(DL-lactic acid-co-glycolic acid). *Biomaterials*. 23: 2479-2483.
- Aralaguppi, MI; Jadar, CV; Aminabhavi, TM. (1996). Density, refractive index, viscosity, and speed of sound in binary mixtures of 2-ethoxyethanol with dioxane, acetonitrile, and tetrahydrofuran at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 41: 1307-1310.
- Argyropoulos, DS; Bolker, HI. (1987). CONDENSATION OF LIGNIN IN DIOXANE-WATER-HCL. *Journal of Wood Chemistry and Technology*. 7: 1-23.
- Argyropoulos, DS; Bolker, HI; Heitner, C; Archipov, Y. (1993). P-31 NMR-SPECTROSCOPY IN WOOD CHEMISTRY .5. QUALITATIVE-ANALYSIS OF LIGNIN FUNCTIONAL-GROUPS. *Journal of Wood Chemistry and Technology*. 13: 187-212.
- Arin, G; Demirbas, A. (2002). Fractionation and analysis of supercritical fluid extracts from lignite. *Energy Sources*. 24: 817-823. <http://dx.doi.org/10.1080/00908310290086806>.
- Arshanita, A; Krumina, L; Telysheva, G; Dizhbite, T. (2016). Exploring the application potential of incompletely soluble organosolv lignin as a macromonomer for polyurethane synthesis. *Ind Crop Prod*. 92: 1-12. <http://dx.doi.org/10.1016/j.indcrop.2016.07.050>.
- Arulazhagan, P; Sivaraman, C; Kumar, SA; Aslam, M; Banu, JR. (2014). Co-metabolic degradation of benzo(e)pyrene by halophilic bacterial consortium at different saline conditions. *J Environ Biol*. 35: 445-452.
- Aruna, P; Natarajan, S; Suryanarayana, CV. (1991). THE INTERNAL-PRESSURE AT THE MISCIBILITY POINT IN SOME TERNARY-SYSTEMS. 29: 537-540.
- Arzik, S; Mavioglu, Ayan, E; Celebi, AS. (2008). Potentiometric Determination of the Stability Constants of Lanthanide Complexes with Iminodiacetic Acid in Water and Dioxane-Water Mixtures. *Turkish Journal of Chemistry*. 32: 721-729.
- Ashraf, S; Jones, AC; Bacsa, J; Steiner, A; Chalker, PR; Beahan, P; Hindley, S; Odedra, R; Williams, PA; Heys, PN. (2011). MOCVD of Vertically Aligned ZnO Nanowires Using Bidentate Ether Adducts of Dimethylzinc. *Chemical Vapor Deposition*. 17: 45-53. <http://dx.doi.org/10.1002/cvde.201006881>.
- Atici, OG; Akar, A; Rahimian, R. (2001). Modification of poly(maleic anhydride-co-styrene) with hydroxyl containing compounds. *Turkish Journal of Chemistry*. 25: 259-266.
- Atkinson, R. (1989). Kinetics and mechanisms of the gas-phase reactions of the hydroxyl radical with organic compounds. *J Phys Chem Ref Data*. 1: 1-246.
- Atta, FM. (1994). SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF THIOGLYCOLIC AMINO-ACID DERIVATIVES AND DIPEPTIDES CONTAINING THE 2-METHYL-3,4-DIHYDROQUINAZOLIN-4-ONE MOIETY. *J Chem Tech Biotechnol*. 61: 225-229.
- Aubert, PH; Groenendaal, L; Louwet, F; Lutsen, L; Vanderzande, D; Zotti, G. (2002). In situ conductivity measurements on polyethylenedioxythiophene derivatives with different counter ions. *Synthetic Metals*. 126: 193-198.
- Avagimova, N; Polotskaya, G; Saprykina, N; Toikka, A; Pientka, Z. (2013). Mixed Matrix Membranes Based on Polyamide/Montmorillonite for Pervaporation of Methanol-Toluene Mixture. *Separation Science and Technology*. 48: 2513-2523. <http://dx.doi.org/10.1080/01496395.2013.806550>.
- Avramescu, F. (1994). EQUIMOLECULAR COMPOSITION P2O5-SIO2 CATALYST ACTIVITY IN THE 4-4'-DIMETHYL-1,3-METADIOXANE DECOMPOSITION REACTION TO ISOPRENE .4. *Rev Chim*. 45: 455-458.
- Avramescu, F; Barbulescu, V; Nicolescu, IV. (1994). P2O5-SIO2 CATALYSTS ACTIVITY IN THE 4,4'-DIMETHYL-1,3-METHADIOXANE TO ISOPRENE .3. *Rev Chim*. 45: 314-316.
- Awasthi, A; Rastogi, M; Shukla, JP. (2004). Ultrasonic and IR study of molecular association process through hydrogen bonding in ternary liquid mixtures. *Fluid Phase Equilibria*. 215: 119-127. <http://dx.doi.org/10.1016/j.fluid.2003.08.017>.
- Azab, HA. (1993). POTENTIOMETRIC DETERMINATION OF THE 2ND-STAGE DISSOCIATION-CONSTANTS OF SOME HYDROGEN-ION BUFFERS FOR BIOLOGICAL-RESEARCH IN VARIOUS WATER+ORGANIC SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 38: 453-457.
- Azab, HA; Anwar, ZM; Sokar, M. (2004). Medium effect on the apparent dissociation constants of guanine, thymine, uracil, hypoxanthine, and cytosine in various hydroorganic media. *Journal of Chemical and Engineering Data*. 49: 256-261. <http://dx.doi.org/10.1021/je030192o>.
- Azab, HA; Deghaidy, FS; Orabi, AS; Farid, NY. (1998). Potentiometric determination of the apparent dissociation constants of some N-substituted 3-amino-2-hydroxypropanesulfonic acids in various hydroorganic media. *Journal of Chemical and Engineering Data*. 43: 245-248.
- Azab, HA; Hassan, A; Khafagy, ZA. (1993). POTENTIOMETRIC DETERMINATION OF THE 2ND-STAGE DISSOCIATION-CONSTANT OF N,N-BIS(2-HYDROXYETHYL)-2-AMINOETHANESULFONIC ACID IN VARIOUS WATER PLUS ORGANIC-SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 38: 231-233.
- Azab, HA; Khafagy, ZA; Hassan, A; Elnady, AM. (1994). MEDIUM EFFECT ON THE 2ND-STAGE DISSOCIATION-CONSTANT OF N,N-BIS(2-HYDROXYETHYL)GLYCINE. *Journal of Chemical and Engineering Data*. 39: 599-601.
- Azab, HA; Nour, KMA. (1999). Medium effect on the apparent second stage dissociation constants of some zwitterionic buffers for physiological research in various water plus organic solvent mixtures. *Journal of Chemical and Engineering Data*. 44: 678-683.
- Azab, HA; Orabi, AS; El-Salam, ETA. (1998). Apparent second-stage dissociation constants of some zwitterionic buffers for biochemical and physiological research in various hydroorganic media. *Journal of Chemical and Engineering Data*. 43: 703-707.
- Azran, J; Shimoni, M; Buchman, O. (1994). HETEROGENEOUS CATALYTIC ISOTOPIC EXCHANGE OF BENZYLIC COMPOUNDS IN SOLUTION. *J Catal*. 148: 648-653.

Exposure Literature Search Results

Off Topic

- Azzam, T; Eisenberg, A. (2010). Fully collapsed (kippah) vesicles: preparation and characterization. *Langmuir*. 26: 10513-10523. <http://dx.doi.org/10.1021/la1004837>.
- Babu, AR; Rao, RS. (1992). CHEMOMETRIC INVESTIGATION OF COMPLEX EQUILIBRIA IN THE SOLUTION PHASE .3. CHEMICAL-MODELS FOR THE COMPLEXATION OF NI(II) WITH ADIPIC ACID DIHYDRAZIDE AND 2-FUROIC ACID HYDRAZIDE IN WATER N,N'-DIMETHYLFORMAMIDE AND WATER DIOXANE MEDIA - CORRELATION WITH SOLVENT PARAMETERS. *Journal of Chemical and Engineering Data*. 37: 526-531.
- Badis, M; Guermouche, MH; Bayle, JP; Rogalski, M; Rogalska, E. (2004). Organization of four thermotropic liquid crystals of different polarities on model liquid and solid surfaces. *Langmuir*. 20: 7991-7997. <http://dx.doi.org/10.1021/la049093e>.
- Bai, GY; Chen, LG; Li, Y; Yan, XL; He, F; Xing, P; Zeng, T. (2004). Selective synthesis of cis-2,6-dimethylpiperazine catalyzed by a Cu-Cr-Fe/gamma-Al₂O₃ catalyst. *Appl Catal A-Gen*. 277: 253-258. <http://dx.doi.org/10.1016/j.apcata.2004.09.031>.
- Bai, X; Brown, RC; Fu, J, ie; Shanks, BH; Kieffer, M. (2014). The Influence of Alkali and Alkaline Earth Metals and the Role of Acid Pretreatments in Production of Sugars from Switchgrass Based on Solvent Liquefaction. *Energy Fuels*. 28: 1111-1120. <http://dx.doi.org/10.1021/ef4022015>.
- Bai, YX; Qian, JW; Sun, HB; An, QF. (2006). Dilute solution behavior of partly hydrolyzed poly(vinyl acetate) in selective solvent mixtures and the pervaporation performance of their membranes in benzene/cyclohexane separation. *J Memb Sci*. 279: 418-423. <http://dx.doi.org/10.1016/j.memsci.2005.12.032>.
- Balcazarortiz, AM; Patel, RB; Abbott, MM; Vanness, HC. (1979). EXCESS THERMODYNAMIC FUNCTIONS FOR TERNARY-SYSTEMS .5. TOTAL-PRESSURE DATA AND GE FOR 1,4-DIOXANE-ETHANOL-WATER AT 50-DEGREES-C. *Journal of Chemical and Engineering Data*. 24: 133-136.
- Balogh, DT; Curvelo, AAS. (1998). Successive and batch extraction of Eucalyptus grandis in dioxane water-HCl solution. 80: 374-378.
- Baluja, S; Gajera, R; Kulshreshtha, A. (2010). Solubility of Biologically Active Chalcones in 1,4-Dioxane and N,N-Dimethyl Formamide from (298.15 to 318.15) K. *Journal of Chemical and Engineering Data*. 55: 574-577. <http://dx.doi.org/10.1021/jc900370q>.
- Baluja, S; Kulshreshtha, A; Bhatt, M. (2014). ULTRASONIC STUDIES OF ANTIPROTOZOAL DRUG IN PROTIC AND APROTIC SOLVENTS AT 308.15 K. *Lat Am Appl Res*. 44: 93-93.
- Baluja, S; Oza, S. (2003). Ultrasonic studies of some derivatives of 6-ethylbenzene-1,3-diol in 1,4-dioxane. *Fluid Phase Equilibria*. 208: 83-89. [http://dx.doi.org/10.1016/S0378-3812\(02\)00327-8](http://dx.doi.org/10.1016/S0378-3812(02)00327-8).
- Baluja, S; Shah, A. (2004). Acoustical studies of some derivatives of 4-amino antipyrine in 1,4-dioxane and dimethylformamide at 318.15K. *Fluid Phase Equilibria*. 215: 55-59. [http://dx.doi.org/10.1016/S0378-3812\(03\)00355-8](http://dx.doi.org/10.1016/S0378-3812(03)00355-8).
- Baluja, S; Solanki, A; Kachhadia, N. (2010). Studies on Thermodynamic Properties of Some Imidazolinone Derivatives in DMF at 308.15 K. *Chinese Journal of Chemical Engineering*. 18: 306-311.
- Baluja, S; Vaishnani, KP; Gajera, R; Kachhadia, N. (2010). ACOUSTICAL PROPERTIES OF SCHIFF BASE SOLUTIONS IN DMF. *Lat Am Appl Res*. 40: 249-254.
- Baluja, S; Vekariya, N; Movaliya, J. (2008). Acoustical studies of some derivatives of 4-amino benzoic acid in 1, 4-dioxane and dimethyl formamide at 308.15 K. *Iranian Journal of Chemistry and Chemical Engineering (International English Edition)*. 27: 129-135.
- Bambalov, NN. (2007). The lignin content in virgin and cultivated peat soils of Belarussian Poles'e. *Eurasian Soil Science*. 40: 1175-1180. <http://dx.doi.org/10.1134/S106422930711004X>.
- Bambalov, NN. (2011). Changes in the Elemental Composition of Lignin during Humification. *Eurasian Soil Science*. 44: 1090-1096. <http://dx.doi.org/10.1134/S1064229311100036>.
- Bandres, I; Giner, I; Pera, G; Giner, B; Lafuente, C. (2007). Vapour-liquid equilibrium of cyclic ethers with 1-chlorohexane: Experimental results and UNIFAC predictions. *Fluid Phase Equilibria*. 257: 70-77. <http://dx.doi.org/10.1016/j.fluid.2007.05.013>.
- Baragi, JG; Aralaguppi, MI; Aminabhavi, TM; Kariduraganavar, MY; Kittur, AS. (2005). Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 50: 910-916. <http://dx.doi.org/10.1021/jc049610v>.
- Baragi, JG; Aralaguppi, MI; Aminabhavi, TM; Kariduraganavar, MY; Kulkarni, SS. (2005). Density, viscosity, refractive index, and speed of sound for binary mixtures of 1,4-dioxane with different organic liquids at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 50: 917-923. <http://dx.doi.org/10.1021/jc049609w>.
- Baranov, DS; Uvarov, MN; Kazantsev, MS; Mostovich, EA; Glebov, EM; Gatilov, YV; Kulik, LV. (2017). Diaza-analogs of benzopyrene and perylene containing thienyl and 4-(phenylamino)phenyl groups: Synthesis, characterization, optical and electrochemical properties. *Dyes and Pigments*. 136: 707-714. <http://dx.doi.org/10.1016/j.dyepig.2016.09.026>.
- Barhoum, R; Szymanowski, J; Hreczuch, W; Meissner, E. (1994). NARROWING OF ALKYLPHENOL ETHOXYLATE DISTRIBUTION. *J Chem Tech Biotechnol*. 61: 215-218.
- Barndok, H; Blanco, L; Hermosilla, D; Blanco, A. (2016). Heterogeneous photo-Fenton processes using zero valent iron microspheres for the treatment of wastewaters contaminated with 1,4-dioxane. *Chem Eng J*. 284: 112-121. <http://dx.doi.org/10.1016/j.cej.2015.08.097>.
- Barndök, H; Cortijo, L; Hermosilla, D; Negro, C; Blanco, A. (2014). Removal of 1,4-dioxane from industrial wastewaters: routes of decomposition under different operational conditions to determine the ozone oxidation capacity. *J Hazard Mater*. 280: 340-347. <http://dx.doi.org/10.1016/j.jhazmat.2014.07.077>.
- Barndök, H; Hermosilla, D; Cortijo, L; Torres, E; Blanco, A. (2014). Electrooxidation of industrial wastewater containing 1,4-dioxane in the presence of different salts. *Environ Sci Pollut Res Int*. 21: 5701-5712. <http://dx.doi.org/10.1007/s11356-013-2483-2>.

Exposure Literature Search Results

Off Topic

- Barndok, H; Hermosilla, D; Han, C; Dionysiou, DD; Negro, C; Blanco, A. (2016). Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO₂ composite with monodisperse TiO₂ nanoparticles. *Appl Catal B-Environ.* 180: 44-52. <http://dx.doi.org/10.1016/j.apcatb.2015.06.015>.
- Barndok, H; Hermosilla, D; Han, C; Dionysiou, DD; Negro, C; Blanco, A. (2016). Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO₂ composite with monodisperse TiO₂ nanoparticles (vol 180, pg 44, 2016). *Appl Catal B-Environ.* 196: 232-232. <http://dx.doi.org/10.1016/j.apcatb.2016.05.062>.
- Barndok, H; Merayo, N; Blanco, L; Hermosilla, D; Blanco, A. (2016). Application of on-line FTIR methodology to study the mechanisms of heterogeneous advanced oxidation processes. *Appl Catal B-Environ.* 185: 344-352. <http://dx.doi.org/10.1016/j.apcatb.2015.12.036>.
- Barone, FS; Rowe, RK; Quigley, RM. (1992). A LABORATORY ESTIMATION OF DIFFUSION AND ADSORPTION COEFFICIENTS FOR SEVERAL VOLATILE ORGANICS IN A NATURAL CLAYEY SOIL. *J Contam Hydrol.* 10: 225-250.
- Barton, DA; Ahearn, PS; Bousquet, T; Emgushov, BT; Hatlevig, S. (1997). Treatability of selected RCRA-regulated compounds in effluent treatment processes. *Tappi Journal.* 80: 92-100.
- Baskaran, S; Bolan, NS. (1998). An evaluation of methods for measurement of pesticides in sorption experiments. *Commun Soil Sci Plant Anal.* 29: 369-380.
- Bauer, S; Sorek, H; Mitchell, VD; Ibáñez, AB; Wemmer, DE. (2012). Characterization of *Miscanthus giganteus* lignin isolated by ethanol organosolv process under reflux condition. *J Agric Food Chem.* 60: 8203-8212. <http://dx.doi.org/10.1021/jf302409d>.
- Baumberger, S; Aguiébehin, V; Douillard, R; Lapierre, C; Monties, B. (1997). Properties of grass lignin layers at the air-water interface. *Ind Crop Prod.* 6: 259-263.
- Bayramoglu, G; Arica, MY. (2009). Immobilization of laccase onto poly(glycidylmethacrylate) brush grafted poly(hydroxyethylmethacrylate) films: Enzymatic oxidation of phenolic compounds. *Mater Sci Eng C.* 29: 1990-1997. <http://dx.doi.org/10.1016/j.msec.2009.03.011>.
- Bayramoglu, G; Arica, MY. (2009). Preparation and characterization of comb type polymer coated poly(HEMA/EGDMA) microspheres containing surface-anchored sulfonic acid: Application in gamma-globulin separation. *React Funct Polym.* 69: 189-196. <http://dx.doi.org/10.1016/j.reactfunctpolym.2008.12.017>.
- Bayri, NA; Kocak, O. (1997). Investigation of H-bond on fluorescence changes in benzene derivations and different acceptor systems. *Turkish Journal of Chemistry.* 21: 173-181.
- Baysal, B; Erbil, C; Morganelli, PL; Stockmayer, WH. (1997). Dielectric studies of various olefin/SO₂ copolymers. *Turkish Journal of Chemistry.* 21: 239-245.
- Bazyliak, L; Bratychak, M; Brostow, W. (1999). Peroxy derivatives of epoxy resins based on bisphenol A: Effects of quaternary ammonium salts. *Mater Res Innovat.* 3: 132-137.
- Bebahani, GRR; Hogan, P; Waghorne, WE. (2002). Ostwald concentration coefficients of acetonitrile in aqueous mixed solvents: A new, rapid method for measuring the solubilities of volatile solutes. *Journal of Chemical and Engineering Data.* 47: 1290-1292. <http://dx.doi.org/10.1021/je0200665>.
- Bechtold, R; Gonzalez, AE; Almendrez, G; Martinez, MJ; Martinez, AT. (1993). LIGNIN ALTERATION BY GANODERMA-AUSTRALE AND OTHER WHITE-ROT FUNGI AFTER SOLID-STATE FERMENTATION OF BEECH WOOD. *Holzforschung.* 47: 91-96.
- Beck-Broichsitter, M; Nicolas, J; Couvreur, P. (2015). Solvent selection causes remarkable shifts of the "Ouzo region" for poly(lactide-co-glycolide) nanoparticles prepared by nanoprecipitation. *Nanoscale.* 7: 9215-9221. <http://dx.doi.org/10.1039/c5nr01695a>.
- Beckett, MA; Hua, I. (2000). Elucidation of the 1,4-dioxane decomposition pathway at discrete ultrasonic frequencies. *Environ Sci Technol.* 34: 3944-3953. <http://dx.doi.org/10.1021/es000928r>.
- Beckett, MA; Hua, I. (2003). Enhanced sonochemical decomposition of 1,4-dioxane by ferrous iron. *Water Res.* 37: 2372-2376. [http://dx.doi.org/10.1016/S0043-1354\(03\)00005-8](http://dx.doi.org/10.1016/S0043-1354(03)00005-8).
- Behtash, S; Lu, J; Mamun, O; Williams, CT; Monnier, JR; Heyden, A. (2016). Solvation Effects in the Hydrodeoxygenation of Propanoic Acid over a Model Pd(211) Catalyst. *J Phys Chem C.* 120: 2724-2736. <http://dx.doi.org/10.1021/acs.jpcc.5b10419>.
- Behtash, S; Lu, J; Walker, E; Mamun, O; Heyden, A. (2016). Solvent effects in the liquid phase hydrodeoxygenation of methyl propionate over a Pd(111) catalyst model. *J Catal.* 333: 171-183. <http://dx.doi.org/10.1016/j.jcat.2015.10.027>.
- Belaribi, FB; Boukais-Belaribi, G; Dahmoun, A; Dahmani, A; Mohammadi, AH; Richon, D. (2014). Experimental Measurements and Correlations of Excess Molar Enthalpies for the Binary and Ternary Mixtures of (Cyclohexane, 1,4-Dioxane and Piperidine) or (Cyclohexane, Morpholine and Piperidine) at 308.15 K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 59: 1629-1635. <http://dx.doi.org/10.1021/je500088z>.
- Belaribi, FB; Boukais-Belaribi, G; Mohammadi, AH; Richon, D. (2010). Excess Molar Enthalpies for the Binary and Ternary Mixtures of Cyclohexane, Tetrahydropyran, and Piperidine at 308.15 K and Atmospheric Pressure: Experimental Measurements and Correlations. *Journal of Chemical and Engineering Data.* 55: 303-307. <http://dx.doi.org/10.1021/je900347f>.
- Belaribi, FB; Dahmoun, A; Dahmani, A; Boukais-Belaribi, G; Mohammadi, AH; Richon, D. (2010). Experimental Measurements and Correlations of Excess Molar Enthalpies for the Binary and Ternary Mixtures of (Cyclohexane, Tetrahydropyran, and Morpholine) or (Cyclohexane, 1,4-Dioxane, and Morpholine) at 308.15 K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 55: 2833-2839. <http://dx.doi.org/10.1021/je9010097>.
- Benes, L; Zima, V; Melanova, K; Trchova, M; Capkova, P; Koudelka, B; Matejka, P. (2002). Synthesis and characterization of vanadyl phosphate intercalated with dioxane, trioxane, and 18-crown-6. *Chem Mater.* 14: 2788-2795. <http://dx.doi.org/10.1021/cm021134+>.
- Benghedalia, D; Yosef, E. (1994). EFFECT OF ISOLATION PROCEDURE ON MOLECULAR-WEIGHT DISTRIBUTION OF WHEAT-STRAW LIGNINS. *J Agric Food Chem.* 42: 649-652.

Exposure Literature Search Results

Off Topic

- Benghedalia, D; Yosef, E; Miron, J; Huttermann, A; Majcherczyk, A; Milstein, O. (1994). CHARACTERIZATION OF LIGNINS IN STRAW, RUMEN LIQUOR AND FECES OF SHEEP FED UNTREATED AND SO₂-TREATED WHEAT-STRAW. *Anim Feed Sci Technol.* 47: 89-98.
- Benghedalia, D; Yosef, E; Solomon, R; Miron, J; Huttermann, A; Majcherczyk, A; Milstein, O. (1994). SIZE-EXCLUSION CHROMATOGRAPHY OF COTTON STALK LIGNINS ISOLATED FROM RUMEN DIGESTA AND FECES OF SHEEP. *J Agric Food Chem.* 42: 1160-1163.
- Bermudez-Salguero, C; Amigo, A; Gracia-Fadriquea, J. (2012). Activity coefficients from Gibbs adsorption equation. *Fluid Phase Equilibria.* 330: 17-23. <http://dx.doi.org/10.1016/j.fluid.2012.06.006>.
- Bertinchamps, F; Cimpeanu, V; Gaigneaux, EM; Parvulescu, VI. (2007). The role of crystalline structure of molybdenum oxide catalysts onto the activity and stability in sulfoxidation of thioethers. *Appl Catal A-Gen.* 325: 283-289. <http://dx.doi.org/10.1016/j.apcata.2007.02.027>.
- Bettahalli, NMS; Steg, H; Wessling, M; Stamatialis, D. (2011). Development of poly(L-lactic acid) hollow fiber membranes for artificial vasculature in tissue engineering scaffolds. *J Memb Sci.* 371: 117-126. <http://dx.doi.org/10.1016/j.memsci.2011.01.026>.
- Betz, MW; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2009). Tissue response and orbital floor regeneration using cyclic acetal hydrogels. *J Biomed Mater Res A.* 90: 819-829. <http://dx.doi.org/10.1002/jbm.a.32131>.
- Betz, MW; Modi, PC; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2008). Cyclic acetal hydrogel system for bone marrow stromal cell encapsulation and osteodifferentiation. *J Biomed Mater Res A.* 86: 662-670. <http://dx.doi.org/10.1002/jbm.a.31640>.
- Bhat, K; Choi, J; Mccall, SD; Aggarwal, MD; Cardelino, BH; Moore, CE; Penn, BG; Frazier, DO; Sanghadasa, M; Barr, TA; Laxmeshwar, NB. (1997). Theoretical and experimental study of the second-order polarizabilities of Schiff's bases for nonlinear optical applications. *Computational Materials Science.* 8: 309-316.
- Bhat, SD; Aminabhavi, TM. (2006). Novel sodium alginate composite membranes incorporated with SBA-15 molecular sieves for the pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane at 30 degrees C. *Microporous and Mesoporous Materials.* 91: 206-214. <http://dx.doi.org/10.1016/j.micromeso.2005.11.044>.
- Bhat, SD; Aminabhavi, TM. (2006). Novel sodium alginate-Na+MMT hybrid composite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. *Separation and Purification Technology.* 51: 85-94. <http://dx.doi.org/10.1016/j.seppur.2005.12.025>.
- Bhat, SD; Aminabhavi, TM. (2007). Pervaporation separation using sodium alginate and its modified membranes - A review. *Separation and Purification Reviews.* 36: 203-229. <http://dx.doi.org/10.1080/15422110701539061>.
- Bhat, SD; Aminabhavi, TM. (2007). Zeolite K-LTL-loaded sodium alginate mixed matrix membranes for pervaporation dehydration of aqueous-organic mixtures. *J Memb Sci.* 306: 173-185. <http://dx.doi.org/10.1016/j.memsci.2007.08.040>.
- Bhat, SD; Mallikarjuna, NN; Aminabhavi, TM. (2006). Microporous alumino-phosphate (AlPO₄-5) molecular sieve-loaded novel sodium alginate composite membranes for pervaporation dehydration of aqueous-organic mixtures near their azeotropic compositions. *J Memb Sci.* 282: 473-483. <http://dx.doi.org/10.1016/j.memsci.2006.06.006>.
- Bhatia, D; Braun, D; Choudhary, V. (2003). Studies on the copolymerization of cyclic ketene acetals with styrene. *Indian J Chem Tech.* 10: 548-557.
- Bhattacharya, S; Saha, BK. (2013). Polymorphism through Desolvation of the Solvates of a van der Waals Host. *Cryst Growth Des.* 13: 606-613. <http://dx.doi.org/10.1021/cg301269d>.
- Bhesaniya, K; Nandha, K; Baluja, S. (2014). Thermodynamics of Fluconazole Solubility in Various Solvents at Different Temperatures. *Journal of Chemical and Engineering Data.* 59: 649-652. <http://dx.doi.org/10.1021/je4010257>.
- Bicak, N; Senkal, BF; Sezer, E. (2005). Preparation of organo-soluble polyanilines in ionic liquid. *Synthetic Metals.* 155: 105-109. <http://dx.doi.org/10.1016/j.synthmet.2005.06.010>.
- Bicak, N; Soydan, AB; Senkal, BF; Koza, G; Yener, M. (1999). 1,2-Diaminoethane-containing epoxy resins for separation of aldehydes. *React Funct Polym.* 39: 197-205.
- Biordi, JC. (1970). KINETICS OF METHANOLYSIS OF BENZOYL CHLORIDE IN METHANOL-DIOXANE MIXTURES. *Journal of Chemical and Engineering Data.* 15: 166-&.
- Blokhra, RL; Parmar, ML; Chauhan, SC. (1983). TRANSPORT STUDIES OF WATER AND AQUEOUS DIOXANE THROUGH A PYREX SINTERED DISK IMPREGNATED WITH CELLULOSE-ACETATE. *J Memb Sci.* 14: 67-77.
- Blokhra, RL; Sakhuja, N. (1977). MOLAL VOLUMES OF LITHIUM, SODIUM, AND POTASSIUM-CHLORIDE IN MULTICOMPONENT ELECTROLYTE-SOLUTIONS (LiCl-NaCl-KCl-AQUEOUS DIOXANE). *Journal of Chemical and Engineering Data.* 22: 54-56.
- Bodzek, M; Bohdziewicz, J. (1991). POROUS POLYCARBONATE PHASE-INVERSION MEMBRANES. *J Memb Sci.* 60: 25-40.
- Bogen, KT. (1990). Uncertainty in environmental health risk assessment. New York, NY: Garland Publishing.
- Bonelli, B; Cozzolino, M; Tesser, R; Di Serio, M; Piumetti, M; Garrone, E; Santacesaria, E. (2007). Study of the surface acidity of TiO₂/SiO₂ catalysts by means of FTIR measurements of CO and NH₃ adsorption. *J Catal.* 246: 293-300. <http://dx.doi.org/10.1016/j.jcat.2006.12.015>.
- Boorman, GA; Morgan, KT; Uriah, LC. (1990). Nose, larynx and trachea. In GA Boorman; SL Eustis; MR Elwell; WF MacKenzie (Eds.), (pp. 315-337). San Diego, CA: Academic Press.
- Boraei, A; Mohamed, N. (2002). Effect of the medium on the ionization constants of some triazole compounds. *Ann Chim.* 92: 575-585.
- Boraei, AAA; Taha, F; Mohamed, AH; Ibrahim, SA. (2001). Medium effect and thermodynamic studies for the proton-ligand and metal-ligand formation constants of the ternary systems M-II + adenosine-5'-triphosphate (ATP) plus asparagine. *Journal of Chemical and Engineering Data.* 46: 267-275. <http://dx.doi.org/10.1021/je000221k>.
- Boscornea, C; David, A; Ioan, L; Teodorescu, M. (2013). Effect of Additives upon the Phase Transition Temperature of alpha,omega-(2-Hydroxyethoxy) Oligo(propylene oxide) in Aqueous Solutions. *Materiale Plastice.* 50: 163-166.
- Bose, SK; Francis, RC. (1999). The role of beta-O-4 cleavage in acidic organosolv pulping of softwoods. *Journal of Pulp & Paper Science.* 25: 425-430.

Exposure Literature Search Results

Off Topic

- Bosiak, MJ; Trzaska, P; Kedziera, D; Adams, J. (2016). Synthesis and photoluminescence properties of star-shaped 2,3,6,7-tetrasubstituted benzo[1,2-b:4,5-b']difurans. *Dyes and Pigments*. 129: 199-208. <http://dx.doi.org/10.1016/j.dyepig.2016.01.025>.
- Bossmann, SH; Troscher, G; Oliveros, E; Braun, AM. (1996). Light-induced decomposition of perinaphthenone (phenalenone) in N,N-dimethylacetamide, 1,4-dioxane and 2-propanol. *Journal of Information Recording*. 23: 171-173.
- Bothun, GD; Ni, Q; Ilias, S. (2008). Solvent-dependent permeability in asymmetric ceramic membranes with tortuous or non-tortuous mesopores. *J Memb Sci*. 325: 982-988. <http://dx.doi.org/10.1016/j.memsci.2008.09.026>.
- Boukais-Belaribi, G; Mohammadi, AH; Belaribi, FB; Richon, D. (2009). Excess Molar Enthalpies for the Binary and Ternary Mixtures of Cyclohexane, Tetrahydropyran, and 1,4-Dioxane at 308.15 K and Atmospheric Pressure: Experimental Measurements and Correlations. *Journal of Chemical and Engineering Data*. 54: 2513-2516. <http://dx.doi.org/10.1021/jc900077g>.
- Bouxin, F; Baumberger, S; Pollet, B; Haudrechy, A; Renault, JH; Dole, P. (2010). Acidolysis of a lignin model: investigation of heterogeneous catalysis using Montmorillonite clay. *Bioresour Technol*. 101: 736-744. <http://dx.doi.org/10.1016/j.biortech.2009.08.037>.
- Bowen, WR; Cheng, SY; Doneva, TA; Oatley, DL. (2005). Manufacture and characterisation of polyetherimide/sulfonated poly(ether ether ketone) blend membranes. *J Memb Sci*. 250: 1-10. <http://dx.doi.org/10.1016/j.memsci.2004.07.004>.
- Bracke, G; Satir, M; Krauss, P. (1995). The cryptand [222] for exchanging cations of micas. *Clays and Clay Minerals*. 43: 732-737.
- Brahman, D; Sinha, B. (2011). Partial Molar Volumes and Viscosity B-Coefficients of N,N'-Ethylene-bis(salicylideneiminato)cobalt(III) in Binary Mixtures of 1,4-Dioxane + Methanol at T = (298.15, 303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 56: 3073-3082. <http://dx.doi.org/10.1021/jc200145r>.
- Brandao, JC; Bohets H, HL; Van De VYVER, IE; Dierickx, PJ. (1992). Correlation between the in vitro cytotoxicity to cultured fathead minnow fish cells and fish lethality data for 50 chemicals. *Chemosphere*. 25: 553-562.
- Brandi, RJ; Citroni, MA; Alfano, OM; Cassano, AE. (2003). Absolute quantum yields in photocatalytic slurry reactors. *Chem Eng Sci*. 58: 979-985. [http://dx.doi.org/10.1016/S0009-2509\(02\)00638-3](http://dx.doi.org/10.1016/S0009-2509(02)00638-3).
- Brasack, I; Bottcher, H; Hempel, U. (2000). Biocompatibility of modified silica-protein composite layers. *Journal of Sol-Gel Science and Technology*. 19: 479-482.
- Bratychak, M; Brostow, W. (1999). Synthesis and properties of peroxy derivatives of epoxy resins based on bisphenol A. 1. Effects of the presence of inorganic bases. *Polymer Engineering and Science*. 39: 1541-1549.
- Braun, DE; Griesser, UJ. (2016). Why Do Hydrates (Solvates) Form in Small Neutral Organic Molecules? Exploring the Crystal Form Landscapes of the Alkaloids Brucine and Strychnine. *Cryst Growth Des*. 16: 6405-6418. <http://dx.doi.org/10.1021/acs.cgd.6b01078>.
- Braun, DE; Karamertzanis, PG; Arlin, JB; Florence, AJ; Kahlenberg, V; Tocher, DA; Griesser, UJ; Price, SL. (2011). Solid-State Forms of β -Resorcylic Acid: How Exhaustive Should a Polymorph Screen Be? *Cryst Growth Des*. 11: 210-220. <http://dx.doi.org/10.1021/cg101162a>.
- Breen, C; Deane, AT; Flynn, JJ. (1987). VAPOR-PHASE SORPTION KINETICS FOR TETRAHYDROFURAN, TETRAHYDROPYRAN, AND 1,4-DIOXAN BY AL-3+-EXCHANGED AND CR-3+-EXCHANGED MONTMORILLONITE. *Clays and Clay Minerals*. 35: 343-346.
- Brocos, P; Calvo, E; Amigo, A; Bravo, R; Pintos, M; Roux, AH; Roux-Desgranges, G. (1998). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 2. Binary systems 1,3-dioxolane plus n-alkanes. *Journal of Chemical and Engineering Data*. 43: 112-116.
- Brocos, P; Calvo, E; Bravo, R; Pintos, M; Amigo, A. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 3. Binary systems {tetrahydrofuran, tetrahydropyran, 1,4-dioxane, or 1,3-dioxolane plus cyclohexane or toluene}. *Journal of Chemical and Engineering Data*. 44: 67-72.
- Brocos, P; Calvo, E; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 5. Binary systems {1,3-dioxolane+1-alkanols}. *Journal of Chemical and Engineering Data*. 44: 1341-1347.
- Brocos, P; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (2003). Thermodynamics of mixtures involving some linear or cyclic ketones and cyclic ethers. 2. Systems containing tetrahydropyran. *Journal of Chemical and Engineering Data*. 48: 712-719. <http://dx.doi.org/10.1021/jc025649t>.
- Brocos, P; Pineiro, A; Bravo, R; Amigo, A; Roux, AH; Roux-Desgranges, G. (2003). Thermodynamics of mixtures involving some linear or cyclic ketones and cyclic ethers. 3. Systems containing 1,4-dioxane. *Journal of Chemical and Engineering Data*. 48: 1055-1061. <http://dx.doi.org/10.1021/jc0340371>.
- Bruchet, A; Hochereau, C; Campos, C. (2007). An acute taste and odour episode solved by olfactory GC-MS. *Water Sci Technol*. 55: 223-230. <http://dx.doi.org/10.2166/wst.2007.183>.
- Bruno, TJ; Lovestead, TM; Huber, ML; Riggs, JR. (2011). Comparison of Diesel Fuel Oxygenate Additives to the Composition-Explicit Distillation Curve Method. Part 2: Cyclic Compounds with One to Two Oxygens. *Energy Fuels*. 25: 2508-2517. <http://dx.doi.org/10.1021/ef2003427>.
- Brzozowska, T; Zielinski, J; Ciesinska, W. (2006). Radical polymerization of styrene and methyl methacrylate in a microwave reactor. *Przemysł Chemiczny*. 85: 507-509.
- Budoace, S; Cimpeanu, V; Parvulescu, V; Centeno, MA; Grange, P; Parvulescu, VI. (2004). Chemoselective oxidation of 2-thiomethyl-4,6-dimethyl-pyrimidine on nanostructured tantalum oxides. *Catalysis Today*. 91-2: 219-223. <http://dx.doi.org/10.1016/j.cattod.2004.03.037>.
- Buffler, PA; Wood, SM; Suarez, L; Kilian, DJ. (1978). Mortality follow-up of workers exposed to 1,4-dioxane. *J Occup Environ Med*. 20: 255-259.
- Bui, VT; Hamedouni, A; Leonard, J. (1992). INTERACTIVE BEHAVIOR OF THE ALPHA-METHYLSTYRENE TOLUENE MIXTURE. *Can J Chem Eng*. 70: 153-158.

Exposure Literature Search Results

Off Topic

- Bulkley, D; Kember, T; Berberian, J. (2007). Dipole moment of 3-bromopentane in various solvents. *Journal of Non-Crystalline Solids*. 353: 4552-4554. <http://dx.doi.org/10.1016/j.jnoncrysol.2007.02.084>.
- Bunzel, M; Ralph, J. (2006). NMR characterization of lignins isolated from fruit and vegetable insoluble dietary fiber. *J Agric Food Chem*. 54: 8352-8361. <http://dx.doi.org/10.1021/jf061525z>.
- Burke, SE; Eisenberg, A. (2001). Effect of sodium dodecyl sulfate on the morphology of polystyrene-b-poly(acrylic acid) aggregates in dioxane-water mixtures. *Langmuir*. 17: 8341-8347. <http://dx.doi.org/10.1021/la010663+>.
- Burke, SE; Eisenberg, A. (2001). Kinetics and mechanisms of the sphere-to-rod and rod-to-sphere transitions in the ternary system PS310-b-PAA(52)/dioxane/water. *Langmuir*. 17: 6705-6714. <http://dx.doi.org/10.1021/la010640v>.
- Caira, MR; Stieger, N; Liebenberg, W; De Villieris, MM; Samsodien, H. (2008). Solvent inclusion by the anti-HIV drug nevirapine: X-ray structures and thermal decomposition of representative solvates. *Cryst Growth Des*. 8: 17-23. <http://dx.doi.org/10.1021/cg070522r>.
- Cakar, F; Sakar, D; Cankurtaran, O; Karaman, F. (2009). Miscibility criteria of blends of poly(2,6-di methyl-1,4-phenylene oxide)/A copolyester of bisphenol-A with terephthalic and isophthalic acids by viscometric analysis. *Optoelectronics and Advanced Materials Rapid Communications*. 3: 1106-1109.
- Cal/EPA. (2013). Proposition 65 list of chemicals: Chemicals known to the state to cause cancer or reproductive toxicity. Sacramento, CA: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. http://www.oehha.ca.gov/prop65/prop65_list/files/P65single072613.pdf.
- Calimli, A; Olcay, A. (1982). SUPERCRITICAL DIOXANE EXTRACTION OF SPRUCE WOOD AND OF DIOXANE-LIGNIN AND COMPARISON OF THE EXTRACTS WITH THE PYROLYSIS PRODUCTS. *Separation Science and Technology*. 17: 183-197.
- Calvaruso, G; Cavasino, FP; Didio, E. (1973). KINETICS AND MECHANISM OF ACID-HYDROLYSIS OF PARA-SUBSTITUTED BENZOIC ANHYDRIDES IN DIOXANE-WATER MIXTURES. *Ann Chim*. 63: 663-674.
- Calvo, E; Artal, M; Embid, JM; Velasco, I; Otin, S. (1999). Isothermal vapor-liquid equilibria of 1,3-dioxolane or 1,4-dioxane plus hexane or plus cyclohexane or plus ethanol mixtures at T = 308.15 K. *Journal of Chemical and Engineering Data*. 44: 193-196.
- Calvo, E; Brocos, P; Bravo, R; Pintos, M; Amigo, A; Roux, AH; Roux-Desgranges, G. (1998). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 1. Binary systems 1,4-dioxane plus n-alkanes. *Journal of Chemical and Engineering Data*. 43: 105-111.
- Calvo, E; Brocos, P; Pineiro, A; Pintos, M; Amigo, A; Bravo, R; Roux, AH; Roux-Desgranges, G. (1999). Heat capacities, excess enthalpies, and volumes of mixtures containing cyclic ethers. 4. Binary systems 1,4-dioxane+1-alkanols. *Journal of Chemical and Engineering Data*. 44: 948-954.
- Calvo, E; Penas, A; Pintos, M; Bravo, R; Amigo, A. (2001). Refractive indices and surface tensions of binary mixtures of 1,4-dioxane+1-alkanols at 298.15 K. *Journal of Chemical and Engineering Data*. 46: 692-695.
- Can, HK; Parvizikhosroshahi, S; Uluişik, EC. (2016). Studies of miscibility and specific interactions of antitumor-active anhydride copolymer and poly(ethylene glycol) blends. 44: 680-689. <http://dx.doi.org/10.3109/21691401.2014.980506>.
- Cao, T; Yin, W; Armstrong, JL; Webber, SE. (1994). ADSORPTION OF PHOTOACTIVE AMPHIPHILIC POLYMERS ONTO HYDROPHOBIC POLYMER-FILMS - POLYSTYRENE-BLOCK-POLY(2-VINYLNAPHTHALENE)-BLOCK-POLY(METHACRYLIC ACID). *Langmuir*. 10: 1841-1847.
- Capanema, E; Balakshin, M; Katahira, R, ui; Chang, H, ounin; Jameel, H. (2015). HOW WELL DO MWL AND CEL PREPARATIONS REPRESENT THE WHOLE HARDWOOD LIGNIN? *Journal of Wood Chemistry and Technology*. 35: 17-26. <http://dx.doi.org/10.1080/02773813.2014.892993>.
- Cardenas, ZJ; Jimenez, DM; Martinez, F. (2015). Solubility and Saturation Apparent Volume of Propranolol Hydrochloride in Some Binary Aqueous Cosolvent Mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 60: 1520-1525. <http://dx.doi.org/10.1021/acs.jced.5b00167>.
- Carfi Pavia, F; Palumbo, FS; La Carrubba, V; Bongiovì, F; Brucato, V; Pitarresi, G; Giammona, G. (2016). Modulation of physical and biological properties of a composite PLLA and polyaspartamide derivative obtained via thermally induced phase separation (TIPS) technique. *Mater Sci Eng C*. 67: 561-569. <http://dx.doi.org/10.1016/j.msec.2016.05.040>.
- Carpenter, SP; Lasker, JM; Raucy, JL. (1996). Expression, induction, and catalytic activity of the ethanol-inducible cytochrome P450 (CYP2E1) in human fetal liver and hepatocytes. *Mol Pharmacol*. 49: 260-268.
- Carriazo, D; Martin, C; Rives, V; Popescu, A; Cojocar, B; Mandache, I; Parvulescu, VI. (2006). Hydrotalcites composition as catalysts: Preparation and their behavior on epoxidation of two bicycloalkenes. *Microporous and Mesoporous Materials*. 95: 39-47. <http://dx.doi.org/10.1016/j.micromeso.2006.05.004>.
- Carter, VJ; Wright, PA; Gale, JD; Morris, RE; Sastre, E; Perezpariente, J. (1997). AlMePO-beta: inclusion and thermal removal of structure directing agent and the topotactic reconstructive transformation to its polymorph AlMePO-alpha. *J Mater Chem*. 7: 2287-2292.
- Casada, ME; Ram, MS; Flinn, PW. (2008). Thermal design of shipping containers for beneficial insects. *Appl Eng Agr*. 24: 63-70.
- Castellari, C; Francesconi, R; Comelli, F. (1984). VAPOR LIQUID EQUILIBRIA IN BINARY-SYSTEMS CONTAINING 1,3-DIOXOLANE AT ISOBARIC CONDITIONS. 4. BINARY-MIXTURES OF 1,3-DIOXOLANE WITH 1,4-DIOXANE AND 1,1,2,2-TETRACHLOROETHANE. *Journal of Chemical and Engineering Data*. 29: 126-128.
- Castellarnau, M; Ramón-Azcón, J; Gonzalez-Quinteiro, Y; López, JF; Grimalt, JO; Marco, MP; Nieuwenhuijsen, M; Picado, A. (2017). Assessment of analytical methods to determine pyrethroids content of bednets. *Trop Med Int Health*. 22: 41-51. <http://dx.doi.org/10.1111/tmi.12794>.
- Castro, MCR; Belsley, M; Raposo, MMM. (2016). Push-pull second harmonic generation chromophores bearing pyrrole and thiazole heterocycles functionalized with several acceptor moieties: Syntheses and characterization. *Dyes and Pigments*. 128: 89-95. <http://dx.doi.org/10.1016/j.dyepig.2016.01.015>.

Exposure Literature Search Results

Off Topic

- Castro, MCR; Belsley, M; Raposo, MMM. (2016). Synthesis and characterization of push-pull bithienylpyrrole NLOphores with enhanced hyperpolarizabilities. *Dyes and Pigments*. 131: 333-339. <http://dx.doi.org/10.1016/j.dyepig.2016.04.027>.
- Catriniciu, M; Iulian, O; Omota, LM; Ciocirlan, O. (2006). Viscosity and density of binary and ternary systems with water, 1,4-dioxane and diethylene glycol at 303.15K. *Rev Chim*. 57: 687-692.
- CDPH. (2011). 1,4-Dioxane for Drinking Water Systems. <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/1,4-dioxane.aspx>.
- Cebrián, C; Natali, M; Villa, D; Panigati, M; Mauro, M; D'Alfonso, G; De Cola, L. (2015). Luminescent supramolecular soft nanostructures from amphiphilic dinuclear Re(I) complexes. *Nanoscale*. 7: 12000-12009. <http://dx.doi.org/10.1039/c5nr01668a>.
- Chakrabarti, S; Aditya, S. (1972). ELECTROMOTIVE FORCE STUDIES OF CELL, CDXHG/CDSO4(M)/HG2SO4,HG, IN DIOXANE-WATER MEDIA. *Journal of Chemical and Engineering Data*. 17: 46-+.
- Chang, CJ; Hsu, SH. (2006). The effect of high outflow permeability in asymmetric poly(dl-lactic acid-co-glycolic acid) conduits for peripheral nerve regeneration. *Biomaterials*. 27: 1035-1042. <http://dx.doi.org/10.1016/j.biomaterials.2005.07.003>.
- Charles-Harris, M; Navarro, M; Engel, E; Aparicio, C; Ginebra, MP; Planell, JA. (2005). Surface characterization of completely degradable composite scaffolds. *J Mater Sci Mater Med*. 16: 1125-1130. <http://dx.doi.org/10.1007/s10856-005-4717-4>.
- Chartres, CJ; Ringrosevoase, AJ; Raupach, M. (1989). A COMPARISON BETWEEN ACETONE AND DIOXANE AND EXPLANATION OF THEIR ROLE IN WATER REPLACEMENT IN UNDISTURBED SOIL SAMPLES. *Journal of Soil Science*. 40: 849-863.
- Chaturvedi, B; Srivastava, AK. (1993). STYRENE-ARSENIC SULFIDE COMPLEX INITIATED POLYMERIZATION OF CHROMIUM ACRYLATE. 31: 851-854.
- Chauhan, S; Jyoti, J; Sharma, K; Kumar, K. (2014). A conductance study to analyze the effect of organic solvents on micellization behavior of carbohydrate-surfactant system at variable temperatures. *Fluid Phase Equilibria*. 375: 286-292. <http://dx.doi.org/10.1016/j.fluid.2014.05.020>.
- Chen, CM; Chang, CH. (2000). Surfactant concentration-dependent effects of pH on the interfacial properties of a splittable surfactant. *Ind Eng Chem Res*. 39: 3726-3731.
- Chen, D; Jin, X; Chen, J; Ye, J; Jiang, N; Chen, JM. (2016). Intermediates and substrate interaction of 1,4-dioxane degradation by the effective metabolizer *Xanthobacter flavus* DT8. *Int Biodeterior Biodegradation*. 106: 133-140. <http://dx.doi.org/10.1016/j.ibiod.2015.09.018>.
- Chen, DZ; Ding, YF; Zhou, YY; Ye, JX; Chen, JM. (2015). Biodegradation kinetics of tetrahydrofuran, benzene, toluene, and ethylbenzene as multi-substrate by *Pseudomonas oleovorans* DT4. *Int J Environ Res Public Health*. 12: 371-384. <http://dx.doi.org/10.3390/ijerph120100371>.
- Chen, H; Wang, CG; Liang, Y; Cai, HS. (2003). Kinetics of copolymerization of acrylonitrile with N-vinylpyrrolidone in H₂O/dimethyl sulphoxide mixture. *Chinese Journal of Chemical Engineering*. 11: 166-169.
- Chen, J; Chen, J; Liu, J, un; Zhao, S; Zheng, H; Gu, Y, ao. (2017). Coupled phase-reaction equilibrium for dihydromyrcene hydration system. *Fluid Phase Equilibria*. 433: 10-20. <http://dx.doi.org/10.1016/j.fluid.2016.11.007>.
- Chen, J, uis; Tu, S, hul; Tsay, RY, ug. (2010). A morphological study of porous polylactide scaffolds prepared by thermally induced phase separation. *Taiwan Institute of Chemical Engineers Journal*. 41: 229-238. <http://dx.doi.org/10.1016/j.jtice.2009.08.008>.
- Chen, JH, ua; Liu, QL, in; Zhang, X, iuHua; Zhang, Q, iuGen. (2007). Pervaporation and characterization of chitosan membranes cross-linked by 3-aminopropyltriethoxysilane. *J Memb Sci*. 292: 125-132. <http://dx.doi.org/10.1016/j.memsci.2007.01.026>.
- Chen, JH, ua; Liu, QL, in; Zhu, A, iMei; Zhang, Q, iuGen. (2008). Dehydration of acetic acid by pervaporation using SPEK-C/PVA blend membranes. *J Memb Sci*. 320: 416-422. <http://dx.doi.org/10.1016/j.memsci.2008.04.034>.
- Chen, JM; Zhou, YY; Chen, DZ; Jin, XJ. (2010). A newly isolated strain capable of effectively degrading tetrahydrofuran and its performance in a continuous flow system. *Bioresour Technol*. 101: 6461-6467. <http://dx.doi.org/10.1016/j.biortech.2010.03.064>.
- Chen, JY; Shimizu, Y; Takai, M; Hayashi, J. (1995). A METHOD FOR ISOLATION OF MILLED-WOOD LIGNIN INVOLVING SOLVENT SWELLING PRIOR TO ENZYME TREATMENT. *Wood Science and Technology*. 29: 295-306.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication and characterization of modified nanofibrous poly(L-lactic acid) scaffolds by thermally induced phase separation technique and aminolysis for promoting cytocompatibility. *J Biomater Sci Polym Ed*. 27: 1058-1068. <http://dx.doi.org/10.1080/09205063.2016.1180830>.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication of nanofibrous tubular scaffolds for bone tissue engineering. *Mater Lett*. 182: 289-293. <http://dx.doi.org/10.1016/j.matlet.2016.07.015>.
- Chen, SC; Zhang, Z, hiHui; Huang, K, unLin; Chen, Q, un; He, MY; Cui, A, iJun; Li, C; Liu, Q, i; Du, M. (2008). Solvent-controlled assembly of manganese(II) tetrachloroterephthalates with 1D chain, 2D layer, and 3D coordination Architectures. *Cryst Growth Des*. 8: 3437-3445. <http://dx.doi.org/10.1021/cg8003905>.
- Chen, T; Wang, B; Li, Y; Liu, L, ei; Qiu, S. (2015). Hydrothermal synthesis of tin containing mesoporous silicas and their catalytic performance over Baeyer-Villiger oxidation of cyclohexanone to epsilon-caprolactone: comparison of Sn/MCM-41 and Sn/SBA-15. *Journal of Porous Materials*. 22: 949-957. <http://dx.doi.org/10.1007/s10934-015-9968-y>.
- Chen, Y; Choi, S; Thompson, LT. (2016). Low temperature CO₂ hydrogenation to alcohols and hydrocarbons over Mo₂C supported metal catalysts. *J Catal*. 343: 147-156. <http://dx.doi.org/10.1016/j.jcat.2016.01.016>.
- Chen, YY; Yuan, XZ. (1994). SYNTHESIS AND PROPERTIES OF 1-(2-AMINOETHYL)PIPERAZINE RESIN USED IN THE SORPTION OF THE PLATINUM-GROUP AND GOLD IONS. 23: 165-172.
- Cheng, T; Zhang, G; Xia, Y; Ji, Q; Xiao, Y; Wang, X; Wang, M; Liu, R, ui; Qiu, B, ao; Chen, G; Chen, H; Sun, Z; Meng, JQ; Liu, Z; Xiao, T; Sun, LD; Yan, C; Cheng, Y. (2016). Template-free synthesis of titania architectures with controlled morphology evolution. *Journal of Materials Science*. 51: 3941-3956. <http://dx.doi.org/10.1007/s10853-015-9713-6>.
- Cheng, Y, aJun; Zhou, S; Wolkenhauer, M; Bumbu, GG; Lenz, S; Memesa, M; Nett, S; Emmerling, S; Steffen, W; Roth, SV; Gutmann, JS. (2015). Effect of Sol-Gel Reaction Time on the Morphology Transition in Mesoporous Titania/PS-b-PEO Composite Films. 7: 924-933. <http://dx.doi.org/10.1166/sam.2015.1957>.

Exposure Literature Search Results

Off Topic

- Chernyak, Y. (2006). Dielectric constant, dipole moment, and solubility parameters of some cyclic acid esters. *Journal of Chemical and Engineering Data*. 51: 416-418. <http://dx.doi.org/10.1021/je050341y>.
- Chester, TL; Haynes, BS. (1997). Estimation of pressure-temperature critical loci of CO₂ binary mixtures with methyl-tert-butyl ether, ethyl acetate, methyl-ethyl ketone, dioxane and decane. *Journal of Supercritical Fluids*. 11: 15-20.
- Childs, SL; Hardcastle, KI. (2007). Cocrystals of piroxicam with carboxylic acids. *Cryst Growth Des*. 7: 1291-1304. <http://dx.doi.org/10.1021/cg060742p>.
- Chiou, CT; Kile, DE. (1994). EFFECTS OF POLAR AND NONPOLAR GROUPS ON THE STABILITY OF ORGANIC-COMPOUNDS IN SOIL ORGANIC-MATTER. *Environ Sci Technol*. 28: 1139-1144.
- Chitra, S; Paramasivan, K; Cheralathan, M; Sinha, PK. (2012). Degradation of 1,4-dioxane using advanced oxidation processes. *Environ Sci Pollut Res Int*. 19: 871-878. <http://dx.doi.org/10.1007/s11356-011-0619-9>.
- Choi, H, gyu; Yoon, SH; Son, M; Celik, E; Park, H; Choi, H. (2016). Efficacy of synthesis conditions on functionalized carbon nanotube blended cellulose acetate membrane for desalination. *Desalination and Water Treatment*. 57: 7545-7554. <http://dx.doi.org/10.1080/19443994.2015.1025582>.
- Choi, IH; Kim, IC; Min, BR; Lee, KH. (2006). Preparation and characterization of ultrathin alumina hollow fiber microfiltration membrane. *Desalination*. 193: 256-259. <http://dx.doi.org/10.1016/j.desal.2005.07.051>.
- Choi, JY; Lee, YJ; Shin, J; Yang, JW. (2010). Anodic oxidation of 1,4-dioxane on boron-doped diamond electrodes for wastewater treatment. *J Hazard Mater*. 179: 762-768. <http://dx.doi.org/10.1016/j.jhazmat.2010.03.067>.
- Choi, K; Tedder, DW. (1997). Molecular interactions in chloroform-diluent mixtures. *AIChE J*. 43: 196-211.
- Choi, P, ilGyu; Ohno, T; Fukuhara, N; Masui, T; Imanaka, N. (2015). Catalytic liquid phase oxidation of 1,4-dioxane over a Pt/CeO₂-ZrO₂-Bi₂O₃/SBA-16 catalyst. 4: 71-75. <http://dx.doi.org/10.1007/s40145-015-0135-3>.
- Choucair, A; Eisenberg, A. (2003). Control of amphiphilic block copolymer morphologies using solution conditions. *Eur Phys J E Soft Matter*. 10: 37-44. <http://dx.doi.org/10.1140/epje/e2003-00002-5>.
- Choucair, A; Lavigneur, C; Eisenberg, A. (2004). Polystyrene-b-poly(acrylic acid) vesicle size control using solution properties and hydrophilic block length. *Langmuir*. 20: 3894-3900. <http://dx.doi.org/10.1021/la035924p>.
- Choucair, A; Soo, PL; Eisenberg, A. (2005). Active loading and tunable release of doxorubicin from block copolymer vesicles. *Langmuir*. 21: 9308-9313. <http://dx.doi.org/10.1021/la050710o>.
- Choucair, AA; Kycia, AH; Eisenberg, A. (2003). Kinetics of fusion of polystyrene-b-poly(acrylic acid) vesicles in solution. *Langmuir*. 19: 1001-1008. <http://dx.doi.org/10.1021/la026187k>.
- Choudhari, SK; Premakshi, HG; Kariduraganavar, MY. (2016). Preparation and Pervaporation Performance of Chitosan-Poly(methacrylic acid) Polyelectrolyte Complex Membranes for Dehydration of 1,4-Dioxane. *Polymer Engineering and Science*. 56: 715-724. <http://dx.doi.org/10.1002/pen.24298>.
- Christoffers, J; Werner, T; Roessle, M. (2007). Cerium-catalyzed oxidative C-C bond forming reactions. *Catalysis Today*. 121: 22-26. <http://dx.doi.org/10.1016/j.cattod.2006.11.008>.
- Christou, G; Young, CL; Svejda, P. (1991). GAS-LIQUID CRITICAL-TEMPERATURES OF MIXTURES OF PROPANE, BUTANE, PENTANE, SULFUR-HEXAFLUORIDE, DICHLORODIFLUOROMETHANE AND CHLOROTRIFLUOROMETHANE WITH LESS VOLATILE COMPOUNDS OF A RANGE OF VARYING POLARITIES. *Fluid Phase Equilibria*. 67: 45-53.
- Chromiak, E. (2000). Impact of the aqueous-organic medium on the mobility of H₃O⁺ and OH⁻. *Przemysł Chemiczny*. 79: 133-+.
- Cibulka, I. (2013). Partial Molar Isentropic Compressions of Selected Cyclic Ethers at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. *Journal of Chemical and Engineering Data*. 58: 1249-1254. <http://dx.doi.org/10.1021/je301352v>.
- Cijo, MX; Basavaiah, K; Abdulrahman, SAM; Vinay, KB. (2011). SPECTROPHOTOMETRIC DETERMINATION OF REPAGLINIDE IN TABLETS BASED ON CHARGE-TRANSFER COMPLEXATION REACTION WITH CHLORANILIC ACID AND DICHLORO-DICYANO BENZOQUINONE. *Chemical Industry and Chemical Engineering Quarterly*. 17: 469-476. <http://dx.doi.org/10.2298/CICEQ110528033C>.
- Cilliers, JJJ; Singleton, VL. (1991). CHARACTERIZATION OF THE PRODUCTS OF NONENZYMIC AUTOXIDATIVE PHENOLIC REACTIONS IN A CAFFEIC ACID MODEL SYSTEM. *J Agric Food Chem*. 39: 1298-1303.
- Cimpeanu, V; Parvulescu, V; Parvulescu, VI; Thompson, JM; Hardacre, C. (2006). Thioethers oxidation on dispersed Ta-silica mesoporous catalysts in ionic liquids. *Catalysis Today*. 117: 126-132. <http://dx.doi.org/10.1016/j.cattod.2006.05.021>.
- Ciobanu, M; Cojocaru, B; Teodorescu, C; Vasiliu, F; Coman, SM; Leitner, W; Parvulescu, VI. (2012). Heterogeneous amination of bromobenzene over titania-supported gold catalysts. *J Catal*. 296: 43-54. <http://dx.doi.org/10.1016/j.jcat.2012.09.002>.
- Ciocirlan, O; Croitoru, O; Luliant, O. (2014). Density and Refractive Index of Binary Mixtures of Two 1-Alkyl-3-methylimidazolium Ionic Liquids with 1,4-Dioxane and Ethylene Glycol. *Journal of Chemical and Engineering Data*. 59: 1165-1174. <http://dx.doi.org/10.1021/je400659p>.
- Ciocirlan, O; Iulian, O. (2008). Viscosity in dimethyl sulfoxide+1,4-dimethylbenzene system. *Rev Chim*. 59: 45-48.
- Cipolloni, M; Heynderickx, A; Maurel, F; Perrier, A; Jacquemin, D; Siri, O; Ortica, F; Favaro, G. (2011). Multiswitchable Acidochromic and Photochromic Bisdiarylethene. An Experimental and Theoretical Study. *J Phys Chem C*. 115: 23096-23106. <http://dx.doi.org/10.1021/jp205681p>.
- Clawson, GA; Blankenship, LJ; Rhame, JG; Wilkinson, DS. (1992). Nuclear enlargement induced by hepatocarcinogens alters ploidy. *Cancer Res*. 52: 1304-1308.
- Climent, MJ; Corma, A; Vely, A. (2004). Synthesis of hyacinth, vanilla, and blossom orange fragrances: the benefit of using zeolites and delaminated zeolites as catalysts. *Appl Catal A-Gen*. 263: 155-161. <http://dx.doi.org/10.1016/j.apcata.2003.12.007>.

Exposure Literature Search Results

Off Topic

- Cocchi, G; De Angelis, MG; Sadowski, G; Doghieri, F. (2014). Modelling polylactide/water/dioxane systems for TIPS scaffold fabrication. *Fluid Phase Equilibria*. 374: 1-8. <http://dx.doi.org/10.1016/j.fluid.2014.04.007>.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Degradation of 1,4-dioxane in water using TiO₂ based photocatalytic and H₂O₂/UV processes. *J Hazard Mater*. 146: 496-501. <http://dx.doi.org/10.1016/j.jhazmat.2007.04.049>.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Removal of contaminants of concern in water using advanced oxidation techniques. *Water Sci Technol*. 55: 301-306. <http://dx.doi.org/10.2166/wst.2007.421>.
- Colic, M; Fuerstenau, DW. (1997). Influence of the dielectric constant of the media on oxide stability in surfactant solutions. *Langmuir*. 13: 6644-6649.
- Comelli, F; Francesconi, R. (1992). Excess molar enthalpies and excess molar volumes of 1,2,4-trimethylbenzene plus cyclic ethers at 298.15-K. *Journal of Chemical and Engineering Data*. 37: 319-322.
- Comelli, F; Francesconi, R. (1996). Excess Molar Enthalpies and Excess Molar Volumes of Propionic Acid + Octane, + Cyclohexane, + 1,3,5-Trimethylbenzene, + Oxane, or + 1,4-Dioxane at 313.15 K. *Journal of Chemical and Engineering Data*. 41: 101-104. <http://dx.doi.org/10.1021/jc950194b>.
- Commonwealth of Massachusetts. (2012). Standards and guidelines for contaminants in Massachusetts drinking water. Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs, Department of Environmental Protection, Office of Research and Standards. <http://www.mass.gov/dep/water/dwstand.pdf>.
- Congost, MA; Salvatierra, D; Marques, G; Bourdelande, JL; Font, J; Valiente, M. (1996). A novel phosphine sulphide functionalized polymer for the selective separation of Pd(II) and Au(III) from base metals. *React Funct Polym*. 28: 191-200.
- Connecticut. (2012). Fact Sheet: 1,4-dioxane in well water [Fact Sheet]. Hartford, CT: Connecticut Department of Public Health. Environmental & Occupational Health Assessment Program. http://www.ct.gov/dph/lib/dph/environmental_health/eoha/pdf/1_4_dioxane.pdf.
- Contreras, M. (2001). Densities and viscosities of binary mixtures of 1,4-dioxane with 1-propanol and 2-propanol at (25, 30, 35, and 40) degrees C. *Journal of Chemical and Engineering Data*. 46: 1149-1152.
- Corma, A; Fornes, V; Iborra, S; Mifsud, M; Renz, M. (2004). One-pot synthesis of phenols from aromatic aldehydes by Baeyer-Villiger oxidation with H₂O₂ using water-tolerant Lewis acids in molecular sieves. *J Catal*. 221: 67-76. [http://dx.doi.org/10.1016/S0021-9517\(03\)00291-4](http://dx.doi.org/10.1016/S0021-9517(03)00291-4).
- Costa, VM; de Souza, MCM; Fechine, PBA; Macedo, AC; Goncalves, LRB. (2016). NANOBIOCATALYTIC SYSTEMS BASED ON LIPASE-Fe₃O₄ AND CONVENTIONAL SYSTEMS FOR ISONIAZID SYNTHESIS: A COMPARATIVE STUDY. *Brazilian Journal of Chemical Engineering*. 33: 661-673. <http://dx.doi.org/10.1590/0104-6632.20160333s20150137>.
- Cosut, B; Yesilot, S; Durmus, M; Kilic, A. (2013). Synthesis and fluorescence properties of hexameric and octameric subphthalocyanines based cyclic phosphazenes. *Dyes and Pigments*. 98: 442-449. <http://dx.doi.org/10.1016/j.dyepig.2013.03.028>.
- Cozzolino, M; Tesser, R; Di Serio, M; D'Onofrio, P; Santacesaria, E. (2007). Kinetics of the oxidative dehydrogenation (ODH) of methanol to formaldehyde by supported vanadium-based nanocatalysts. *Catalysis Today*. 128: 191-200. <http://dx.doi.org/10.1016/j.cattod.2007.06.072>.
- Crockford, RH; Willett, IR. (1995). DRYING AND OXIDATION EFFECTS ON THE MAGNETIC-PROPERTIES OF SULFIDIC MATERIAL DURING OXIDATION. *Aust J Soil Res*. 33: 19-29.
- Cui, J; Liu, A; Guan, Y; Zheng, J; Shen, Z; Wan, X. (2010). Tuning the helicity of self-assembled structure of a sugar-based organogelator by the proper choice of cooling rate. *Langmuir*. 26: 3615-3622. <http://dx.doi.org/10.1021/la903064n>.
- Cui, J; Shen, Z; Wan, X. (2010). Study on the gel to crystal transition of a novel sugar-appended gelator. *Langmuir*. 26: 97-103. <http://dx.doi.org/10.1021/la9021382>.
- Cui, J; Zheng, Y; Shen, Z; Wan, X. (2010). Alkoxy tail length dependence of gelation ability and supramolecular chirality of sugar-appended organogelators. *Langmuir*. 26: 15508-15515. <http://dx.doi.org/10.1021/la101494t>.
- Cui, P; Yin, Q; Gong, J; Wang, Y; Hao, H; Xie, C; Bao, Y; Zhang, M; Hou, B; Wang, J. (2013). Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. *Fluid Phase Equilibria*. 337: 354-362. <http://dx.doi.org/10.1016/j.fluid.2012.09.027>.
- Curvelo, AAS; Degroote, R; Montanari, S. (1992). DIOXANE LIGNINS FROM PINUS-CARIBAEA VAR HONDURENSIS .1. EFFECT OF CATALYST CONCENTRATION. 74: 324-327.
- Cypher, JA; Lemke, LD. (2009). Multiple Working Transport Hypotheses in a Heterogeneous Glacial Aquifer System. *Ground Water Monitoring and Remediation*. 29: 105-119.
- da Silva Lirio, CF; Pellegrini Pessoa, FL; Cohen Uller, AM. (2013). Storage capacity of carbon dioxide hydrates in the presence of sodium dodecyl sulfate (SDS) and tetrahydrofuran (THF). *Chem Eng Sci*. 96: 118-123. <http://dx.doi.org/10.1016/j.ces.2012.10.022>.
- da Silva, TA; Mocchiutti, P; Zanuttini, MA; Ramos, LP. (2007). CHEMICAL CHARACTERIZATION OF PULP COMPONENTS IN UNBLEACHED SOFTWOOD KRAFT FIBERS RECYCLED WITH THE ASSISTANCE OF A LACCASE/HBT SYSTEM. *BioResources*. 2: 616-629.
- Dabbagh, AH; Mansoori, Y. (2002). New azoic dyes containing (1H)-tetrazole and azido group. *Dyes and Pigments*. 54: 37-46.
- Dabrowski, R; Urban, S. (1998). Dielectric studies of smectogenic dioxane mixtures revealing a nematic gap. *Liquid Crystals*. 24: 583-586.
- Dai, L, iyan; Shi, Q, iul; Zhang, J; Wang, XZ; Chen, Y, qi. (2013). Accelerated effect on Mitsunobu reaction via bis-N-tert-butoxycarbonylation protection of 2-amino-6-chloropurine and its application in a novel synthesis of penciclovir. *Journal of Zhejiang University- Science A*. 14: 760-766. <http://dx.doi.org/10.1631/jzus.A1300238>.
- Dai, M; Zhang, FQ; Li, HP; Zhao, JP. (1997). Excess enthalpies and excess volumes of N,N-dimethylethanolamine plus 1,4-dioxane, plus DMF, plus DMA or plus DMSO. *Fluid Phase Equilibria*. 138: 231-239.
- Dai, ZW; Zou, XH; Chen, GQ. (2009). Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) as an injectable implant system for prevention of post-surgical tissue adhesion. *Biomaterials*. 30: 3075-3083. <http://dx.doi.org/10.1016/j.biomaterials.2009.02.015>.

Exposure Literature Search Results

Off Topic

- Daneshfar, A, li; Baghlani, M; Sarabi, RS; Sahraei, R; Abassi, S; Kaviyan, H; Khezeli, T. (2012). Solubility of citric, rnalonic, and malic acids in different solvents from 303.2 to 333.2K. *Fluid Phase Equilibria*. 313: 11-15. <http://dx.doi.org/10.1016/j.fluid.2011.09.033>.
- Daniel, N; Srivastava, AK. (2002). Free radical copolymerization of styrene with vinyl acetate using p-acetylbenzylidene triphenylarsonium ylide as an initiator. *Advances in Polymer Technology*. 21: 108-115. <http://dx.doi.org/10.1002/adv.2000>.
- Das, K; Sarkar, N; Das, S; Bhattacharyya, K; Balasubramanian, D. (1995). FLUORESCENCE MONITORING OF THE HYDROPHOBIC SURFACE OF DEXTRIN USING P-TOLUIDINONAPHTHALENESULFONATE. *Langmuir*. 11: 2410-2413.
- Das, M; Roy, MN. (2006). Studies on thermodynamic and transport properties of binary mixtures of acetonitrile with some cyclic ethers at different temperatures by volumetric, viscometric, and interferometric techniques. *Journal of Chemical and Engineering Data*. 51: 2225-2232. <http://dx.doi.org/10.1021/je060311a>.
- Das, S; Naskar, B; Ghosh, S. (2014). Influence of temperature and organic solvents (isopropanol and 1,4-dioxane) on the micellization of cationic gemini surfactant (14-4-14). *Soft Matter*. 10: 2863-2875. <http://dx.doi.org/10.1039/c3sm52938j>.
- Dash, UN; Pattanaik, E; Sahu, R. (1991). SOLUTE SOLVENT INTERACTIONS - DISSOLUTION OF SPARINGLY SOLUBLE SILVER SALTS IN AQUEOUS ORGANIC-SOLVENT SYSTEMS. *Fluid Phase Equilibria*. 63: 101-110.
- Dassy, S; Wiame, H; Thyrion, FC. (1994). KINETICS OF THE LIQUID-PHASE SYNTHESIS AND HYDROLYSIS OF BUTYL LACTATE CATALYZED BY CATION-EXCHANGE RESIN. *J Chem Tech Biotechnol*. 59: 149-156.
- Davolio, F; Pedrosa, GC; Katz, M. (1981). VAPOR-LIQUID-EQUILIBRIUM FOR THE PARA-DIOXANE-ACETONITRILE SYSTEM AT 298.15-K. *Journal of Chemical and Engineering Data*. 26: 26-27.
- De Clercq, J; Van De Steene, E; Verbeken, K, im; Verhaege, M. (2010). Electrochemical oxidation of 1,4-dioxane at boron-doped diamond electrode. *J Chem Tech Biotechnol*. 85: 1162-1167. <http://dx.doi.org/10.1002/jctb.2415>.
- De Fina, KM; Sharp, TL; Roy, LE; Acree, WE. (1999). Solubility of 8-hydroxybenzoic acid in select organic solvents at 298.15 K. *Journal of Chemical and Engineering Data*. 44: 1262-1264.
- de Gooijer, JM; Scheltus, M; Koning, CE. (2004). End group modification of polyamide-6 in supercritical and subcritical fluids - Part 2: Amine and carboxylic acid end group modification with 1,2-epoxybutane. *Journal of Supercritical Fluids*. 29: 153-164. [http://dx.doi.org/10.1016/S0896-8446\(03\)00067-6](http://dx.doi.org/10.1016/S0896-8446(03)00067-6).
- de Gooijer, JM; Scheltus, M; Losch, HW; Staudt, R; Meuldijk, J; Koning, CE. (2004). End group modification of polyamide-6 in supercritical and subcritical fluids - Part 1: Amine end group modification with succinic anhydride. *Journal of Supercritical Fluids*. 29: 129-152. [http://dx.doi.org/10.1016/S0896-8446\(03\)00066-4](http://dx.doi.org/10.1016/S0896-8446(03)00066-4).
- Deen, GR; Lim, E, uK; Mah, CH, ao; Heng, KM. (2012). New Cationic Linear Copolymers and Hydrogels of N-Vinyl Caprolactam and N-Acryloyl-N¹-ethyl Piperazine: Synthesis, Reactivity, Influence of External Stimuli on the LCST and Swelling Properties. *Ind Eng Chem Res*. 51: 13354-13365. <http://dx.doi.org/10.1021/ie301987m>.
- Delgado, DR; Romdhani, A; Martinez, F. (2012). Solubility of sulfamethizole in some propylene glycol plus water mixtures at several temperatures. *Fluid Phase Equilibria*. 322: 113-119. <http://dx.doi.org/10.1016/j.fluid.2012.03.014>.
- Delorenzi, L; Fermeglia, M; Torriano, G. (1995). DENSITIES AND VISCOSITIES OF 1,1,1-TRICHLOROETHANE WITH 13 DIFFERENT SOLVENTS AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 1172-1177.
- Delvalle, JC; Garcia, NA; Amatguerrri, F. (1993). EVIDENCE OF NONEMISSIVE PROTONATED FORMS IN METHYL-ESTERS OF ROSE-BENGAL AND EOSIN-Y IN ACIDIC MEDIUM. *Dyes and Pigments*. 22: 199-205.
- Deng, Y; Guo, Y; Qian, Y; Lou, H; Qiu, X. (2014). Effect of Temperature on a Lignin-based Polymer with Two Types of Microstructures. *BioResources*. 9: 6304-6315.
- Deng, Y; Zhang, Q, in; Zhang, H; Zhang, C; Wang, W; Gu, Y, i. (2014). Kinetics of 3,4-Dihydro-2H-3-phenyl-1,3-benzoxazine Synthesis from Mannich Base and Formaldehyde. *Ind Eng Chem Res*. 53: 1933-1939. <http://dx.doi.org/10.1021/ie402978s>.
- Denisova, GP; Ustinova, TP; Povolotskii, EG; Igonina, SV; Martynova, NY. (2002). Effect of the structure of cellulose acetate solutions on the morphological characteristics of ultrafiltration membranes. *Fibre Chemistry*. 34: 335-337.
- Derosa, CT; Wilbur, S; Holler, J; Richter, P; Stevens, YW. (1996). Health evaluation of 1,4-dioxane [Review]. *Toxicol Ind Health*. 12: 1-43. <http://dx.doi.org/10.1177/074823379601200101>.
- Destine, JN; Wang, J; Heitner, C; Manley, RSJ. (1996). The photodegradation of milled-wood lignin .1. The role of oxygen. *Journal of Pulp & Paper Science*. 22: J24-J30.
- Dettenmaier, EM; Doucette, WJ; Bugbee, B. (2009). Chemical hydrophobicity and uptake by plant roots. *Environ Sci Technol*. 43: 324-329. <http://dx.doi.org/10.1021/es801751x>.
- Devi, DA; Smitha, B; Sridhar, S; Aminabhavi, TM. (2006). Dehydration of 1,4-dioxane through blend membranes of poly(vinyl alcohol) and chitosan by pervaporation. *J Memb Sci*. 280: 138-147. <http://dx.doi.org/10.1016/j.memsci.2006.01.006>.
- Devi, KVS; Raju, BR; Rao, GN. (2010). Speciation of binary complexes of Ca(II), Mg(II) and Zn(II) with L-dopa in dioxane-water mixtures. *Chem Speciation Bioavailability*. 22: 191-199. <http://dx.doi.org/10.3184/095422910X12829312795432>.
- Devika, PD; Ramachandran, TP; Ananth, MS. (1992). ENTHALPY OF MIXING OF 5 BINARY-MIXTURES. 30: 612-614.
- Dewan, R; Datta, B; Roy, MC; Roy, MN. (2013). Ionic interplay of lithium salts in binary mixtures of acetonitrile and diethyl carbonate probed by physicochemical approach. *Fluid Phase Equilibria*. 358: 233-240. <http://dx.doi.org/10.1016/j.fluid.2013.08.022>.
- Dewitte, B; Patarin, J; Guth, JL; Cholley, T. (1997). Synthesis of mazzite-type zeolites in the presence of organic solvents: study of the structure directing role of p-dioxane. 10: 247-257.
- Dhathathreyan, A; Baskar, G; Ramasami, T. (2002). Interfacial organization of fluoropolymers in Langmuir films: Role of additives. *Langmuir*. 18: 4704-4708. <http://dx.doi.org/10.1021/la0111329g>.
- Dhennezel, O; Ollis, DF. (1997). Trichloroethylene-promoted photocatalytic oxidation of air contaminants. *J Catal*. 167: 118-126.

Exposure Literature Search Results

Off Topic

- Diaz-Calleja, R; Riande, E. (2004). Comparative study of mechanical and dielectric relaxations in polymers. *Mater Sci Eng A*. 370: 21-33. <http://dx.doi.org/10.1016/j.msea.2003.08.069>.
- Dietz, AC; Schnoor, JL. (2001). Advances in phytoremediation. *Environ Health Perspect*. 109: 163-168.
- Ding, F; Zhang, CF; Hu, XG. (2006). Passivating lithium electrodes with 1,4-dioxane. 35: 585-588.
- Dini, JW. (2005). The carcinogenic body. *Plat Surf Finish*. 92: 34-35.
- Dodangeh, M; Gharanjig, K; Arami, M. (2014). Synthesis, Characterization, and Photo-Physical Properties of Dendrimers Modified With 1,8-Naphthalimide Derivatives as Novel Fluorescent pH Sensors. *IEEE Sens J*. 14. <http://dx.doi.org/10.1109/JSEN.2014.2319293>.
- Domanka, U; Lachwa, J. (2005). (Solid plus liquid) phase equilibria of binary mixtures containing N-methyl-2-pyrrolidinone and ethers at atmospheric pressure. *Fluid Phase Equilibria*. 227: 135-143. <http://dx.doi.org/10.1016/j.fluid.2004.11.006>.
- Domanska, U; Moollan, WC; Letcher, TM. (1996). Solubility of sulfolane in selected organic solvents. *Journal of Chemical and Engineering Data*. 41: 261-265.
- Domanska, U; Sporzynski, A; Moollan, WC; Letcher, TM. (1996). Vapor-liquid equilibria of binary mixtures containing sulfolane. *Journal of Chemical and Engineering Data*. 41: 624-628.
- Donaldson, ME; Draucker, LC; Blasucci, V; Liotta, CL; Eckerta, CA. (2009). Liquid-liquid equilibria of polyethylene glycol (PEG) 400 and CO₂ with common organic solvents. *Fluid Phase Equilibria*. 277: 81-86. <http://dx.doi.org/10.1016/j.fluid.2008.11.003>.
- Dong, WT; Zhu, CS. (2000). Optical properties of UV dye PTP-doped silica film prepared by sol-gel process. *Mater Lett*. 45: 336-339.
- Donze, C; Korovchenko, P; Gallezot, P; Besson, M. (2007). Aerobic selective oxidation of (hetero) aromatic primary alcohols to aldehydes or carboxylic acids over carbon supported platinum. *Appl Catal B-Environ*. 70: 621-629. <http://dx.doi.org/10.1016/j.apcatb.2006.01.029>.
- Dražević, E; Kosutic, K; Dananic, V; Pavlovic, DM. (2013). Coating layer effect on performance of thin film nanofiltration membrane in removal of organic solutes. *Separation and Purification Technology*. 118: 530-539. <http://dx.doi.org/10.1016/j.seppur.2013.07.031>.
- Du, Y; Chen, X; Koh, YH, ag; Lei, B, o. (2014). Facilely fabricating PCL nanofibrous scaffolds with hierarchical pore structure for tissue engineering. *Mater Lett*. 122: 62-65. <http://dx.doi.org/10.1016/j.matlet.2014.02.031>.
- Duan, T; Fan, K, e; Fu, Y; Zhong, C; Chen, X; Peng, T; Qin, J. (2012). Triphenylamine-based organic dyes containing a 1,2,3-triazole bridge for dye-sensitized solar cells via a 'Click' reaction. *Dyes and Pigments*. 94: 28-33. <http://dx.doi.org/10.1016/j.dyepig.2011.11.008>.
- Duflos, G; Leduc, F; N'Guessan, A; Krzewinski, F; Kol, O; Malle, P. (2010). Freshness characterisation of whiting (*Merlangius merlangus*) using an SPME/GC/MS method and a statistical multivariate approach. *J Sci Food Agric*. 90: 2568-2575. <http://dx.doi.org/10.1002/jsfa.4122>.
- Dumitriu, E; Hulea, V; Fechete, I; Catrinescu, C; Auroux, A; Lacaze, JF; Guimon, C. (1999). Prins condensation of isobutylene and formaldehyde over Fe-silicates of MFI structure. *Appl Catal A-Gen*. 181: 15-28.
- Dworczak, R; Fabian, WMF. (2002). Electric field induced second harmonic generation (EFISH) measurements on absorbing compounds: push-pull substituted anilines. *Dyes and Pigments*. 53: 119-128.
- Dzhabiyeva, ZM; Belov, GP. (1992). SELECTIVE DIMERIZATION OF ETHYLENE TO BUT-1-ENE IN THE PRESENCE OF ETHER ADDITIVES. *Petroleum Chemistry*. 32: 170-176.
- Dziadek, M; Zagrajczuk, B; Ziabka, M; Dziadek, K; Cholewa-Kowalska, K. (2016). The role of solvent type, size and chemical composition of bioactive glass particles in modulating material properties of poly(epsilon-caprolactone) based composites. *Composites Part A: Applied Science and Manufacturing*. 90: 90-99. <http://dx.doi.org/10.1016/j.compositesa.2016.07.001>.
- Eberle, D; Ball, R; Boving, TB. (2016). Peroxone activated persulfate treatment of 1,4-dioxane in the presence of chlorinated solvent co-contaminants. *Chemosphere*. 144: 728-735. <http://dx.doi.org/10.1016/j.chemosphere.2015.08.063>.
- Ebralidze, II; Hanif, M; Arjumand, R; Azmi, AA; Dixon, D; Cann, NM; Crudden, CM; Horton, JH. (2012). Solvent Induced Adhesion Interactions between Dichlorotriazine Films. *J Phys Chem C*. 116: 4217-4223. <http://dx.doi.org/10.1021/jp211503x>.
- Echigo, S; Nakatsuji, M; Takabe, Y; Itoh, S. (2015). Effect of preozonation on wastewater reclamation by the combination of ozonation and soil aquifer treatment. *Water Science and Technology: Water Supply*. 15: 101-106. <http://dx.doi.org/10.2166/ws.2014.089>.
- Edmiston, PL; Underwood, LA. (2009). Absorption of dissolved organic species from water using organically modified silica that swells. *Separation and Purification Technology*. 66: 532-540. <http://dx.doi.org/10.1016/j.seppur.2009.02.001>.
- Edwards, MR; Hetu, MF; Columbus, M; Silva, A; Lefebvre, DD. (2011). The effect of ethylene glycol on the phytovolatilization of 1,4-dioxane. *Int J Phytoremediation*. 13: 702-716. <http://dx.doi.org/10.1080/15226514.2010.525553>.
- Elewa, MM; El-Shafei, AA; Moneer, AA; Naim, MM. (2016). Effect of cell hydrodynamics in desalination of saline water by sweeping air pervaporation technique using innovated membrane. *Desalination and Water Treatment*. 57: 23293-23307. <http://dx.doi.org/10.1080/19443994.2016.1173381>.
- Elgemeie, GH; Ahmed, KA; Ahmed, EA; Helal, MH; Masoud, DM. (2015). Microwave synthesis, photophysical properties of novel fluorescent iminocoumarins and their application in textile printing. *Pigment & Resin Technology*. 44: 87-93. <http://dx.doi.org/10.1108/PRT-04-2014-0029>.
- Elgemeie, GH; Ahmed, KA; Ahmed, EA; Helal, MH; Masoud, DM. (2016). A simple approach for the synthesis of coumarin fluorescent dyes under microwave irradiation and their application in textile printing. *Pigment & Resin Technology*. 45: 217-224. <http://dx.doi.org/10.1108/PRT-02-2015-0019>.
- El-Ghany, A; A., N. (2012). ORGANOSOLV PULPING OF COTTON LINTER. II. EFFECT OF DIOXANE AND ANTHRAQUINONE ON COTTON LINTER PROPERTIES. *Cellulose Chemistry and Technology*. 46: 137-145.
- Elhami-Kalvanagh, R; Shekaari, H; Kazempour, A. (2013). Effect of solvent on the volumetric behavior of N,N'-salicylidenebenzyl diamine (Salophen) Schiff base at different temperatures (288.15-318.15) K. *Fluid Phase Equilibria*. 352: 22-27. <http://dx.doi.org/10.1016/j.fluid.2013.05.001>.

Exposure Literature Search Results

Off Topic

- Ellegaard, MD; Abildskov, J; O'Connell, JP. (2010). Molecular Thermodynamic Modeling of Mixed Solvent Solubility. *Ind Eng Chem Res.* 49: 11620-11632. <http://dx.doi.org/10.1021/ie101059y>.
- Elroudi, OM. (1995). Effect of the medium on the ionisation process of Tricine. *Ann Chim.* 85: 567-575.
- El-Roudi, OM; Abdel-Latif, SA. (2004). Effect of ionic strength, aquo-organic solvents, and temperature on the stabilities of N-[Tris(hydroxymethyl)methyl]glycine plus metal complexes. *Journal of Chemical and Engineering Data.* 49: 1193-1196. <http://dx.doi.org/10.1021/le030228c>.
- Elroudi, OM; Alla, EMA; Ibrahim, SA. (1997). Potentiometric studies on the binary complexes of N-[tris(hydroxymethyl)methyl]glycine with Th⁴⁺, Ce³⁺, La³⁺ and UO₂²⁺ and medium effects on a Th-tricine binary complex. *Journal of Chemical and Engineering Data.* 42: 609-613.
- Elsabee, MZ; Ali, EA; Mokhtar, SM; Eweis, M. (2011). Synthesis, characterization polymerization and antibacterial properties of novel thiophene substituted acrylamide. *React Funct Polym.* 71: 1187-1194. <http://dx.doi.org/10.1016/j.reactfunctpolym.2011.08.006>.
- El-Sayed, SM; Arnaouty, MB; Fayek, SA. (2003). Effect of grafting, gamma irradiation and light exposure on optical and morphological properties of grafted low-density polyethylene films. *Polym Test.* 22: 17-23.
- El-Sedik, M; Almonasy, N; Nepras, M; Bures, F; Dvorak, M; Michl, M; Cermak, J; Hrdina, R. (2012). Synthesis, absorption and fluorescence properties of N-triazinyl derivatives of 2-aminoanthracene. *Dyes and Pigments.* 92: 1126-1131. <http://dx.doi.org/10.1016/j.dyepig.2011.08.018>.
- Elvassore, N; Bertuccio, A; Di Noto, V. (2002). On-line monitoring of volume expansion in gas-antisolvent processes by UV-vis spectroscopy. *Journal of Chemical and Engineering Data.* 47: 223-227. <http://dx.doi.org/10.1021/je010189+>.
- Engle, JM; Lakshminarayanan, PS; Carroll, CN; Zakharov, LN; Haley, MM; Johnson, DW. (2011). Molecular Self Assembly: Solvent Guests Tune the Conformation of a Series of 2,6-Bis(2-anilinoethyl)pyridine-Based Ureas. *Cryst Growth Des.* 11: 5144-5152. <http://dx.doi.org/10.1021/cg201074v>.
- Enriquez, EP; Gray, KH; Guarino, VF; Linton, RW; Mar, KD; Samulski, ET. (1992). BEHAVIOR OF RIGID MACROMOLECULES IN SELF-ASSEMBLY AT AN INTERFACE. *Journal of Vacuum Science and Technology A.* 10: 2775-2782.
- Enzmann, H; Kühlem, C; Löser, E; Bannasch, P. (1995). Dose dependence of diethylnitrosamine-induced nuclear enlargement in embryonal turkey liver. *Carcinogenesis.* 16: 1351-1355. <http://dx.doi.org/10.1093/carcin/16.6.1351>.
- Ernst, S; Glinski, J. (1977). COMPRESSIBILITY IN WATER-DIOXANE MIXTURES AS DEPENDENT ON CONCENTRATION AND TEMPERATURE. *Chem Tech (Leipzig).* 29: 51-54.
- Erol, I; Arslan, O. (2013). Copolymers of novel methacrylic and styrenic monomer based on the thiophene: synthesis, characterization, monomer reactivity ratios, thermal properties, and biological activity. *J Biomater Sci Polym Ed.* 24: 1198-1218. <http://dx.doi.org/10.1080/09205063.2012.745715>.
- Erol, I; Sahin, Z; Ozcan, L. (2013). Synthesis, Characterization, Biological Activity, and Thermal Stability of New Styrenic Polymer Having Pendant Ketone and Its Some Derivatives. *Polymer Engineering and Science.* 53: 1383-1393. <http://dx.doi.org/10.1002/pen.23402>.
- Erol, I; Soykan, C. (2003). Synthesis and characterization of new aryl-oxycarbonyl methyl methacrylate monomers and their polymers. *React Funct Polym.* 56: 147-157. [http://dx.doi.org/10.1016/S1381-5148\(03\)00052-X](http://dx.doi.org/10.1016/S1381-5148(03)00052-X).
- Erten, H; Soykan, C. (2014). Synthesis and characterization of novel poly (p-methyl styrene) containing azetidene moieties and their optical and semiconducting properties. *Materials Science in Semiconductor Processing.* 24: 83-89. <http://dx.doi.org/10.1016/j.mssp.2014.03.012>.
- Eshkiki, RB; Mortha, G; Lachenal, D. (2007). A new method for the titration of free phenolic groups in pulps. *Holzforschung.* 61: 242-246. <http://dx.doi.org/10.1515/HF.2007.039>.
- Eslamimanesh, A; Ili, Gharagheizi, F; Illbeigi, M; Mohammadi, AH; Fazlali, A; Richon, D. (2012). Phase equilibrium modeling of clathrate hydrates of methane, carbon dioxide, nitrogen, and hydrogen plus water soluble organic promoters using Support Vector Machine algorithm. *Fluid Phase Equilibria.* 316: 34-45. <http://dx.doi.org/10.1016/j.fluid.2011.11.029>.
- Esteves Costa, CA; Coleman, W; Dube, M; Rodrigues, AE; Rodrigues Pinto, PC. (2016). Assessment of key features of lignin from lignocellulosic crops: Stalks and roots of corn, cotton, sugarcane, and tobacco. *Ind Crop Prod.* 92: 136-148. <http://dx.doi.org/10.1016/j.indcrop.2016.07.032>.
- Esteves Costa, CA; Rodrigues Pinto, PC; Rodrigues, AE. (2015). Radar Tool for Lignin Classification on the Perspective of Its Valorization. *Ind Eng Chem Res.* 54: 7580-7590. <http://dx.doi.org/10.1021/acs.iecr.5b01859>.
- Eum, K; iWon, Gu, H; Lee, T, aeGyu; Choe, J; Lee, K; Song, KH, o. (2013). Liquid-Liquid Equilibria for the Ternary Systems of Perfluorohexane plus Methyl Nonfluorobutyl Ether plus Toluene, +1,4-Dioxane, or plus Dimethylformamide at 298.15 K. *Journal of Chemical and Engineering Data.* 58: 915-919. <http://dx.doi.org/10.1021/je301149f>.
- Eusterbrock, L; Lehmann, J; Ziegler, G. (2003). Analysis of pyrolysis products during thermal decomposition of organic components in ceramic green bodies. 80: E33-E39.
- Even-Ezra, I; Mizrahi, A; Gerrity, D; Snyder, S; Salvesson, A; Lahav, O, ri. (2009). Application of a novel plasma-based advanced oxidation process for efficient and cost-effective destruction of refractory organics in tertiary effluents and contaminated groundwater. *Desalination and Water Treatment.* 11: 236-244. <http://dx.doi.org/10.5004/dwt.2009.807>.
- Evtuguin, DV; Amado, FML. (2003). Application of Electrospray ionization mass spectrometry to the elucidation of the primary structure of lignin. *Macromol Biosci.* 3: 339-343. <http://dx.doi.org/10.1002/mabi.200350006>.
- Evtuguin, DV; Neto, CP; Silva, AMS; Domingues, PM; Amado, FML; Robert, D; Faix, O. (2001). Comprehensive study on the chemical structure of dioxane lignin from plantation Eucalyptus globulus wood. *J Agric Food Chem.* 49: 4252-4261. <http://dx.doi.org/10.1021/jf010315d>.
- EWG. (2012). EWG research shows 22 percent of all cosmetics may be contaminated with cancer-causing impurity [Website]. Retrieved from <http://www.ewg.org/news/news-releases/2007/02/08/ewg-research-shows-22-percent-all-cosmetics-may-be-contaminated-cancer>

Exposure Literature Search Results

Off Topic

- Fabbri, P; Cannillo, V; Sola, A; Dorigato, A; Chiellini, F. (2010). Highly porous polycaprolactone-45S5 Bioglass (R) scaffolds for bone tissue engineering. *Compos Sci Tech*. 70: 1869-1878. <http://dx.doi.org/10.1016/j.compscitech.2010.05.029>.
- Fabos, V; Lui, MY; Mui, Y, iuF; Wong, YY, an; Mika, LT; Qi, L; Csefalvay, E; Kovacs, V; Szucs, T; Horvath, IT. (2015). Use of Gamma-Valerolactone as an Illuminating Liquid and Lighter Fluid. 3: 1899-1904. <http://dx.doi.org/10.1021/acssuschemeng.5b00465>.
- Fachaux, JM; Guyothermann, AM; Guyot, JC; Conflant, P; Drache, M; Veessler, S; Boistelle, R. (1995). PURE PARACETAMOL FOR DIRECT COMPRESSION .1. DEVELOPMENT OF SINTERED-LIKE CRYSTALS OF PARACETAMOL. *Powder Technology*. 82: 123-128.
- Faix, O; Stevanovicjanezic, T; Lundquist, K. (1994). THE LIGNIN OF THE DIFFUSE POROUS ANGIOSPERM TREE TRIPLOCHYTON-SCLEROXYLON SCHUM,K. WITH LOW SYRINGYL CONTENT. *Journal of Wood Chemistry and Technology*. 14: 263-278.
- Falciola, L; Greggio, P; Mussini, PR; Mussini, T. (2004). The cosolvent effect on the transport parameters of HCl in aqueous plus organic solvent mixtures. *Journal of Chemical and Engineering Data*. 49: 1565-1573. <http://dx.doi.org/10.1021/jc034244l>.
- Falco, EE; Coates, EE; Li, E; Roth, JS; Fisher, JP. (2011). Fabrication and characterization of porous EH scaffolds and EH-PEG bilayers. *J Biomed Mater Res A*. 97: 264-271. <http://dx.doi.org/10.1002/jbm.a.33052>.
- Fan, Y; Gao, J; Chen, Y, ao. (2010). Colour responses of black locust (*Robinia pseudoacacia* L.) to solvent extraction and heat treatment. *Wood Science and Technology*. 44: 667-678. <http://dx.doi.org/10.1007/s00226-009-0289-7>.
- Fang, D; Jiao, C, mei; Zhang, H, uabin; Ji, B, aohua. (2010). Synthesis of dioxanes via Prins reaction catalyzed by acyclic acidic ionic liquids. *J Ind Eng Chem*. 16: 233-237. <http://dx.doi.org/10.1016/j.jiec.2010.01.057>.
- Fang, JH; Yang, KF; Hu, FT. (2005). Copolymerization of maleic anhydride and norbornene catalyzed by Fe(acac)(3)-Al(i-Bu)(3)-CCl4. *Chinese journal of catalysis*. 26: 1113-1116.
- Fang, YJ; Zhou, P. (2006). Study on reactive extraction kinetics of 1,3-propanediol in dilute aqueous solutions. *Separation Science and Technology*. 41: 329-340. <http://dx.doi.org/10.1080/01496390500460666>.
- Farghaly, TA, bdER; Abdallah, MA; Mahmoud, HK. (2015). Synthesis of novel 1,2,4-triazoles and triazolo-thiadiazines as anticancer agents. *Turkish Journal of Chemistry*. 39: 955-969. <http://dx.doi.org/10.3906/kim-1504-13>.
- Fasching, M; Schroeder, P; Wollboldt, RP; Weber, HK; Sixta, H. (2008). A new and facile method for isolation of lignin from wood based on complete wood dissolution. *Holzforschung*. 62: 15-23. <http://dx.doi.org/10.1515/HF.2008.003>.
- Fasi, A; Gomory, A; Palinko, I; Kiricsi, I. (2001). Isomerization and dimerization reactions of methyloxirane over various types of zeolite and zeotype. *J Catal*. 200: 340-344. <http://dx.doi.org/10.1006/jcat.2001.3186>.
- Fasi, A; Palinko, I; Kiricsi, I. (1999). Ring-opening and dimerization reactions of methyl- and dimethyloxiranes on HZSM-5 and CuZSM-5 zeolites. *J Catal*. 188: 385-392.
- Fasi, A; Palinko, I; Kiricsi, I. (1999). Ring-opening and dimerization reactions of methyl-substituted oxiranes on HZSM-5 zeolite. *Stud Surf Sci Catal*. 125: 391-398.
- Fayek, SA; El Sayed, SM; El-Arnaouty, MB. (2000). Study the effect of gamma irradiation on optical and morphological properties of grafted low density polyethylene. *Polym Test*. 19: 435-443.
- Fazary, AE. (2005). Thermodynamic studies on the protonation equilibria of some hydroxamic acids in NaNO3 solutions in water and in mixtures of water and dioxane. *Journal of Chemical and Engineering Data*. 50: 888-895. <http://dx.doi.org/10.1021/jc0496185>.
- Fazary, AE. (2013). Ionic Strength Dependence of Four Stepwise Protonation Constants for Folic Acid in Different Aqueous Solutions of Dioxane. *Journal of Chemical and Engineering Data*. 58: 2219-2223. <http://dx.doi.org/10.1021/jc4002569>.
- Fazary, AE; Ibrahim, SE; Ju, YH. (2009). Medium Effects on the Protonation Equilibria of L-Norvaline. *Journal of Chemical and Engineering Data*. 54: 2532-2537. <http://dx.doi.org/10.1021/jc9001015>.
- FDA. (2006). Food additives permitted for direct addition to food for human consumption; glycerides and polyglycerides (pp. 75-76). (21 CFR 172.736). Food and Drug Administration. http://edocket.access.gpo.gov/cfr_2006/aprqr/pdf/21cfr172.736.pdf.
- Fei, D; Xingtio, H; Yuwen, L. (2007). Improvement of lithium interface stability with 1,4-dioxane pretreatment. *Journal of Wuhan University of Technology--Materials Science Edition*. 22: 494-498. <http://dx.doi.org/10.1007/s11595-006-3494-3>.
- Fernandez, F; Quigley, RM. (1991). CONTROLLING THE DESTRUCTIVE EFFECTS OF CLAY ORGANIC LIQUID INTERACTIONS BY APPLICATION OF EFFECTIVE STRESSES. *Canadian Geotechnical Journal*. 28: 388-398.
- Ferro, AM; Kennedy, J; Larue, JC. (2013). Phytoremediation of 1,4-dioxane-containing recovered groundwater. *Int J Phytoremediation*. 15: 911-923. <http://dx.doi.org/10.1080/15226514.2012.687018>.
- Ferro, AM; Tammi, CE. (2009). Field note: irrigation of tree stands with groundwater containing 1,4-dioxane. *Int J Phytoremediation*. 11: 425-440. <http://dx.doi.org/10.1080/15226510802655914>.
- Fettouhi, A; Thomsen, K, aj. (2010). Solid-liquid equilibria for binary and ternary systems with the Cubic-Plus-Association (CPA) equation of state. *Fluid Phase Equilibria*. 293: 121-129. <http://dx.doi.org/10.1016/j.fluid.2010.02.017>.
- Fezei, R; Hammi, H; M'nif, A. (2011). Magnesium chloride precipitation from mixed salt solution using 1,4-dioxan. *Chem Eng Res Des*. 89: 367-372. <http://dx.doi.org/10.1016/j.cherd.2010.06.007>.
- Fezei, R; Hammi, H; M'nif, A. (2015). Magnesium chloride precipitation from mixed salt solution using 1,4-dioxan: Optimizing the recovery and purity. *Int J Miner Process*. 144: 16-20. <http://dx.doi.org/10.1016/j.minpro.2015.09.003>.
- Flores, P; Rezende, MC; Jara, F. (2004). A solvatochromic derivative of Meldrum's. *Dyes and Pigments*. 62: 277-281. [http://dx.doi.org/10.1016/S0143-7208\(03\)00238-9](http://dx.doi.org/10.1016/S0143-7208(03)00238-9).
- Foks, J; Luszczek, M. (1993). EFFECT OF TEMPERATURE AND SUPERSATURATION ON THE CRYSTALLIZATION OF POLYETHYLENE ADIPATE FROM DIOXANE SOLUTIONS. *J Cryst Growth*. 134: 347-352.
- Fonseca, JMS; Dohrn, R; Wolf, A; Bachmann, R. (2012). The solubility of carbon dioxide and propylene oxide in polymers derived from carbon dioxide. *Fluid Phase Equilibria*. 318: 83-88. <http://dx.doi.org/10.1016/j.fluid.2012.01.021>.

Exposure Literature Search Results

Off Topic

- Fontalvo, J; Vorstman, MAG; Wijers, JG; Keurentjes, JTF. (2006). Heat supply and reduction of polarization effects in pervaporation by two-phase feed. *J Memb Sci*. 279: 156-164. <http://dx.doi.org/10.1016/j.memsci.2005.11.047>.
- Forti, FL; Bet, MR; Goissis, G; Plepis, AM. (2011). 1,4-Dioxane enhances properties and biocompatibility of polyanionic collagen for tissue engineering applications. *J Mater Sci Mater Med*. 22: 1901-1912. <http://dx.doi.org/10.1007/s10856-011-4358-8>.
- Forti, FL; Goissis, G; Plepis, AM. (2006). Modifications on collagen structures promoted by 1,4-dioxane improve thermal and biological properties of bovine pericardium as a biomaterial. *J Biomater Appl*. 20: 267-285. <http://dx.doi.org/10.1177/0885328206054048>.
- Fowle, SE; Constantine, CE; Fone, D; Mccloskey, B. (1996). An epidemiological study after a water contamination incident near Worcester, England in April 1994. *J Epidemiol Community Health*. 50: 18-23.
- Frahm, D; Hoffmann, F; Froeba, M. (2014). Two Metal-Organic Frameworks with a Tetratopic Linker: Solvent-Dependent Polymorphism and Postsynthetic Bromination. *Cryst Growth Des*. 14: 1719-1725. <http://dx.doi.org/10.1021/cg4018536>.
- Francesconi, R; Castellari, C; Comelli, F. (2001). Excess molar enthalpies and excess molar volumes of binary mixtures containing 1,3-dioxolane or 1,4-dioxane plus pine resins at (298.15 and 313.15) K and at atmospheric pressure. *Journal of Chemical and Engineering Data*. 46: 577-581. <http://dx.doi.org/10.1021/je000337g>.
- Francesconi, R; Comelli, F. (1992). EXCESS-ENTHALPIES AND EXCESS VOLUMES OF BINARY-MIXTURES CONTAINING TOLUENE + CYCLIC ETHERS AT 298.15 K. *Journal of Chemical and Engineering Data*. 37: 230-232.
- Francesconi, R; Comelli, F. (1993). DENSITIES AND EXCESS MOLAR VOLUMES OF 2,2,4-TRIMETHYLPENTANE PLUS LINEAR AND CYCLIC ETHERS AT 298.15-K. *Journal of Chemical and Engineering Data*. 38: 571-573.
- Francesconi, R; Comelli, F. (1995). EXCESS MOLAR ENTHALPIES AND EXCESS MOLAR VOLUMES OF PROPYLENE CARBONATE PLUS CYCLIC ETHERS. *Journal of Chemical and Engineering Data*. 40: 31-33.
- Francesconi, R; Comelli, F. (1995). EXCESS MOLAR VOLUMES OF BINARY-MIXTURES CONTAINING DIETHYL CARBONATE PLUS LINEAR AND CYCLIC ETHERS AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 512-514.
- Francesconi, R; Comelli, F. (1991). EXCESS ENTHALPY OF BINARY-SYSTEMS OF HALOTHANE + CYCLIC ETHERS. *Journal of Chemical and Engineering Data*. 36: 288-289.
- Franke, C; Studinger, G; Berger, G; Böhling, S; Bruckmann, U; Cohors-Fresenborg, D; Jöhncke, U. (1994). The assessment of bioaccumulation. *Chemosphere*. 29: 1501-1514. [http://dx.doi.org/10.1016/0045-6535\(94\)90281-X](http://dx.doi.org/10.1016/0045-6535(94)90281-X).
- Frassoldati, A; Pinel, C; Besson, M. (2011). Promoting effect of water for aliphatic primary and secondary alcohol oxidation over platinum catalysts in dioxane/aqueous solution media. *Catalysis Today*. 173: 81-88. <http://dx.doi.org/10.1016/j.cattod.2011.02.058>.
- Frassoldati, A; Pinel, C; Besson, M. (2013). Aerobic oxidation of secondary pyridine-derivative alcohols in the presence of carbon-supported noble metal catalysts. *Catalysis Today*. 203: 133-138. <http://dx.doi.org/10.1016/j.cattod.2012.01.012>.
- Frey, JG; Grose, RI; Hendra, PJ; Jawhari, T; Maddams, WF; Cudby, MEA. (1991). A FURTHER STRUCTURAL EXAMINATION OF PVC GELS. *Mater Lett*. 11: 105-108.
- Frydrych, M; Román, S; Macneil, S; Chen, B. (2015). Biomimetic poly(glycerol sebacate)/poly(L-lactic acid) blend scaffolds for adipose tissue engineering. *Acta Biomater*. 18: 40-49. <http://dx.doi.org/10.1016/j.actbio.2015.03.004>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. *J Biomed Mater Res B Appl Biomater*. 86: 125-135. <http://dx.doi.org/10.1002/jbm.b.30997>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. *J Biomed Mater Res B Appl Biomater*. 86: 514-522. <http://dx.doi.org/10.1002/jbm.b.31051>.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze-cast hydroxyapatite scaffolds for bone tissue engineering applications. 3: 025005. <http://dx.doi.org/10.1088/1748-6041/3/2/025005>.
- Fujii, T; Shimizu, K; Sudo, K; Katsube, K; Kategaru, Y. (1992). CHARACTERIZATION OF AUTOHYDROLYZED WOODS OF 5 CULTIVATED LEGUMES. 38: 786-795.
- Fujisawa, S; Okita, Y; Saito, T; Togawa, E; Isogai, A. (2011). Formation of N-acylureas on the surface of TEMPO-oxidized cellulose nanofibril with carbodiimide in DMF. *Cellulose*. 18: 1191-1199. <http://dx.doi.org/10.1007/s10570-011-9578-z>.
- Fujiwara, T; Tamada, T; Kurata, Y; Ono, Y; Kose, T; Ono, Y; Nishimura, F; Ohtoshi, K. (2008). Investigation of 1,4-dioxane originating from incineration residues produced by incineration of municipal solid waste. *Chemosphere*. 71: 894-901. <http://dx.doi.org/10.1016/j.chemosphere.2007.11.011>.
- Fukushima, RS; Hatfield, RD. (2001). Extraction and isolation of lignin for utilization as a standard to determine lignin concentration using the acetyl bromide spectrophotometric method. *J Agric Food Chem*. 49: 3133-3139. <http://dx.doi.org/10.1021/jf010449r>.
- Fukushima, RS; Hatfield, RD. (2003). Nuclear magnetic resonance spectra of two types of lignin. *Pesqui Agropecu Bras*. 38: 505-511.
- Fukushima, RS; Hatfield, RD. (2003). Phenolic composition of dioxane lignins as determined by nitrobenzene oxidative reaction. *Pesqui Agropecu Bras*. 38: 373-378.
- Fukushima, RS; Hatfield, RD. (2004). Comparison of the acetyl bromide spectrophotometric method with other analytical lignin methods for determining lignin concentration in forage samples. *J Agric Food Chem*. 52: 3713-3720. <http://dx.doi.org/10.1021/jf035497l>.
- Fukushima, RS; Kerley, MS. (2011). Use of lignin extracted from different plant sources as standards in the spectrophotometric acetyl bromide lignin method. *J Agric Food Chem*. 59: 3505-3509. <http://dx.doi.org/10.1021/jf104826n>.
- Gadzinowski, M; Slomkowski, S; Elaissari, A; Pichot, C. (2000). Phase transfer and characterization of poly(epsilon-caprolactone) and poly(L-lactide) microspheres. *J Biomater Sci Polym Ed*. 11: 459-480.
- Gaikwad, A. (2011). Transport of Indium, Gallium and Thallium Metal Ions Through Chromatographic Fiber Supported Solid Membrane in Acetylacetone Containing Mixed Solvents. *Chinese Journal of Chemical Engineering*. 19: 955-963.

Exposure Literature Search Results

Off Topic

- Gaikwad, AG. (2011). Transport of Metal Ions through Cellulose Fiber Supported Solid Membrane into Tributyl Phosphate Containing Mixed Solvents. *Chemical and Biochemical Engineering Quarterly*. 25: 425-431.
- Galkin, S; Ammalahti, E; Kilpelainen, I; Brunow, G; Hatakka, A. (1997). Characterisation of milled wood lignin from reed canary grass (*Phalaris arundinacea*). *Holzforschung*. 51: 130-134.
- Galletti, GC; Piccaglia, R. (1991). EVALUATION OF LIGNIN PREPARATIONS FROM LIGNOCELLULOSICS BY HPLC/ELECTROCHEMICAL DETECTION OF PHENOLICS. *J Agric Food Chem*. 39: 490-493.
- Gamys, C, eG; Beyou, E; Bourgeat-Lami, E; David, L; Oberdisse, J. (2012). SAXS and SANS characterization of gelable polystyrene-b-poly(acryloxy propyl triethoxysilane) (PS-b-PAPTES) diblock copolymer micelles before and after hydrolysis-condensation. *Soft Matter*. 8: 6564-6572. <http://dx.doi.org/10.1039/c2sm25412c>.
- Gan, X; Wang, Y; Ge, X; Li, W, ei; Zhang, X; Zhu, W; Zhou, H; Wu, J; Tian, Y. (2015). Triphenylamine isophorone derivatives with two photon absorption: Photo-physical property, DFT study and bio-imaging. *Dyes and Pigments*. 120: 65-73. <http://dx.doi.org/10.1016/j.dyepig.2015.04.007>.
- Gander, B; Wehrli, E; Alder, R; Merkle, HP. (1995). Quality improvement of spray-dried, protein-loaded D,L-PLA microspheres by appropriate polymer solvent selection. *J Microencapsul*. 12: 83-97. <http://dx.doi.org/10.3109/02652049509051129>.
- Gao, P; Zhang, C; Wen, G. (2015). Equivalent circuit model analysis on electrochemical impedance spectroscopy of lithium metal batteries. *J Power Sources*. 294: 67-74. <http://dx.doi.org/10.1016/j.jpowsour.2015.06.032>.
- Garcia, R; Triboulot, MC; Merlin, A; Deglise, X. (2000). Variation of the viscoelastic properties of wood as a surface finishes substrate. *Wood Science and Technology*. 34: 99-107.
- Gaskell, BA. (1990). Nonneoplastic changes in the olfactory epithelium-- experimental studies [Review]. *Environ Health Perspect*. 85: 275-289.
- Gaspar, A; Evtuguin, DV; Neto, CP. (2004). Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. *Holzforschung*. 58: 640-649. <http://dx.doi.org/10.1515/HF.2004.118>.
- Gawronska, E; Dordain, L; Coxam, JY; Quint, J. R.; Grolier, JPE. (1995). EXCESS VOLUMES OF BINARY-MIXTURES OF 1,4-DIOXANE WITH HEPTANE, TETRADECANE, AND CYCLOHEXANE AT 323, 350, AND 364 K AND AT PRESSURES AROUND 7, 17, AND 22 MPA. *Journal of Chemical and Engineering Data*. 40: 1257-1261.
- Ge, ML, an; Wang, L, iS. (2008). Activity coefficients at infinite dilution of polar solutes in 1-butyl-3-methylimidazolium trifluoromethanesulfonate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 846-849. <http://dx.doi.org/10.1021/je700560s>.
- Ge, ML, an; Wang, L, iS; Wu, J, unS; Zhou, Q. (2008). Activity coefficients at infinite dilution of organic solutes in 1-ethyl-3-methylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 1970-1974. <http://dx.doi.org/10.1021/je800218g>.
- Ge, ML, an; Wu, J, unS; Wang, MH, ui; Wang, L, iS. (2008). Activity coefficients at infinite dilution of polar solutes in 1-propyl-2,3-dimethylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 53: 871-873. <http://dx.doi.org/10.1021/je700640r>.
- Gehring, P; Matschiner, H. (1998). Radiation induced pollutant decomposition in water. *Water Sci Technol*. 37: 195-201.
- Geiss, KT; Frazier, JM. (2001). In vitro toxicities of experimental jet fuel system ice-inhibiting agents. *Sci Total Environ*. 274: 209-218.
- Geng, ZC; Xu, F; Sun, J, inXia; Liu, CF, u; Ren, J, uiLi; Sun, R, unC; Lin, L, u; He, B, eiKai; Lu, Q, i. (2006). Quantitative determination of phenolic acids in the cell walls of shrubs and poplar wood. *Cellulose Chemistry and Technology*. 40: 173-180.
- Gerrity, D; Gamage, S; Jones, D; Korshin, GV; Lee, Y; Pisarenko, A; Trenholm, RA; von Gunten, U; Wert, EC; Snyder, SA. (2012). Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. *Water Res*. 46: 6257-6272. <http://dx.doi.org/10.1016/j.watres.2012.08.037>.
- Ghafoori, S; Mehrvar, M; Chan, P. (2014). OPTIMISATION OF PHOTO-FENTON-LIKE DEGRADATION OF AQUEOUS POLYACRYLIC ACID USING BOX-BEHNKEN EXPERIMENTAL DESIGN. *Can J Chem Eng*. 92: 97-108. <http://dx.doi.org/10.1002/cjce.21849>.
- Gharib, F; Mollaie, M. (1999). Complexation of leucine by dioxovanadium(V) in mixed solvent systems. *Journal of Chemical and Engineering Data*. 44: 77-82.
- Ghosh, P; Samanta, AN; Ray, S. (2010). Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by H₂O₂/Fe(II) system. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 45: 395-399. <http://dx.doi.org/10.1080/10934520903538954>.
- Gidwani, MS; Menon, SK; Agrawal, YK. (2003). Fluorescence and lasing characteristics of fluorescein calix[4]aryl hydroxamic acid. *Indian J Chem Tech*. 10: 519-524.
- Gilardi, G; Cass, AEG. (1993). ASSOCIATIVE AND COLLOIDAL BEHAVIOR OF LIGNIN AND IMPLICATIONS FOR ITS BIODEGRADATION IN-VITRO. *Langmuir*. 9: 1721-1726.
- Giner, B; Martin, S; Haro, M; Artigas, H; Lafuente, C. (2005). Experimental and predicted vapor-liquid equilibrium for cyclic ethers with 1-chloropentane. *Ind Eng Chem Res*. 44: 6981-6988. <http://dx.doi.org/10.1021/ie0503388>.
- Giner, B; Villares, A, na; Martin, S; Lafuente, C; Royo, FM. (2007). Isothermal vapour-liquid equilibrium for cyclic ethers with 1-chloropentane. *Fluid Phase Equilibria*. 251: 8-16. <http://dx.doi.org/10.1016/j.fluid.2006.10.024>.
- Giner, I; Montano, D; Haro, M; Artigas, H; Lafuente, C. (2009). Study of isobaric vapour-liquid equilibrium of some cyclic ethers with 1-chloropropane: Experimental results and SAFT-VR modelling. *Fluid Phase Equilibria*. 278: 62-67. <http://dx.doi.org/10.1016/j.fluid.2009.01.010>.
- Girotti, S; Maiolini, E; Bolelli, L; Ferri, E; Piccolo, M; Camanzi, L; Pompei, A. (2011). Bioremediation of hydrocarbons contaminated waters and soils: monitoring by luminescent bacteria test. *Int J Environ Anal Chem*. 91: 900-909. <http://dx.doi.org/10.1080/03067310903411004>.

Exposure Literature Search Results

Off Topic

- Glavchev, I; Nikolov, RN; Valchev, P. (2003). Determination of evaporation rates of mixed solvents with the formation of thin films for membranes. *Polym Test*. 22: 529-532. [http://dx.doi.org/10.1016/S0142-9418\(02\)00147-2](http://dx.doi.org/10.1016/S0142-9418(02)00147-2).
- Glazko, IL; Gur'yanova, OP; Levanova, SV; Sokolov, AB. (2010). Kinetic characteristics of the manufacture of esters from isoprene production waste. *Petroleum Chemistry*. 50: 395-401. <http://dx.doi.org/10.1134/S0965544110050130>.
- Gluchowski, S. (1984). ON THE USE OF DIOXANE-WATER MIXTURE IN THE STUDIES ON WATER TREEING. 19: 362-363.
- Glushchenko, VN. (1994). IMPACTS OF WATER-SOLUBLE NONELECTROLYTES, PRESENT IN-PROCESS FLUID-FLOWS, ON BED TREATMENT QUALITY. 38-42.
- Gonchakova, NN; Ivanova, NG; Kitayev, LY; Novikova, LA; Kubasov, AA; Sharf, VZ; Topchiyeva, KV. (1981). CATALYTIC ACTIVITY OF BORON PHOSPHATE CATALYSTS IN THE PREPARATION OF ISOPRENE FROM 4,4-DIMETHYL-1,3-DIOXANE. *Petroleum Chemistry*. 21: 133-142.
- Gong, SH; Penzkofer, A. (1999). Two-photon absorption and two-photon-induced absorption of some organic liquids at 347.15 nm. *Optical and Quantum Electronics*. 31: 269-290.
- Gong, Y; Ma, Z; Zhou, Q; Li, J, un; Gao, C; Shen, J. (2008). Poly(lactic acid) scaffold fabricated by gelatin particle leaching has good biocompatibility for chondrogenesis. *J Biomater Sci Polym Ed*. 19: 207-221.
- Gonzalez, JA; Mozo, I; Garcia, I; Fuente, DL; Cobos, JC; Durov, VA. (2006). Thermodynamics of 1-alkanol plus cyclic ether mixtures. *Fluid Phase Equilibria*. 245: 168-184. <http://dx.doi.org/10.1016/j.fluid.2006.05.003>.
- Gonzalez, L; Ferrando, F; Ramis, X; Maria Salla, J; Mantecon, A, na; Serra, A. (2009). Characterization of new reworkable thermosetting coatings obtained by cationic and anionic curing of DGEBA and some Meldrum acid derivatives. *Progr Org Coating*. 65: 175-181. <http://dx.doi.org/10.1016/j.porgcoat.2008.10.007>.
- Goonasekera, CS; Jack, KS; Cooper-White, JJ; Grondahl, L. (2016). Dispersion of hydroxyapatite nanoparticles in solution and in polycaprolactone composite scaffolds. 4: 409-421. <http://dx.doi.org/10.1039/c5tb02255j>.
- Goonoo, N; Bhaw-Luximon, A; Bowlin, GL; Jhurry, D. (2012). Diblock Poly(ester)-Poly(ester-ether) Copolymers: I. Synthesis, Thermal Properties, and Degradation Kinetics. *Ind Eng Chem Res*. 51: 12031-12040. <http://dx.doi.org/10.1021/ie301703j>.
- Goonoo, N; Bhaw-Luximon, A; Rodriguez, IA; Wesner, D; Schoenherr, H; Bowlin, GL; Jhurry, D. (2014). Poly(ester-ether)s: II. Properties of electrospun nanofibres from polydioxanone and poly(methyl dioxanone) blends and human fibroblast cellular proliferation. 2: 339-351. <http://dx.doi.org/10.1039/c3bm60211g>.
- Goossens, AM; Feijen, EJP; Verhoeven, G; Wouters, BH; Grobet, PJ; Jacobs, PA; Martens, JA. (2000). Crystallization of MAZ-type zeolites using tetramethylammonium, sodium and n-hexane derivatives as structure- and composition-directing agents. *Microporous and Mesoporous Materials*. 35-6: 555-572.
- Goto, M; Takabe, K; Abe, I. (1998). Histochemistry and UV-microspectrometry of cell walls of untreated and ammonia-treated barley straw. *Can J Plant Sci*. 78: 437-443.
- Govender, M; Bush, T; Spark, A; Bose, SK; Francis, RC. (2009). An accurate and non-labor intensive method for the determination of syringyl to guaiacyl ratio in lignin. *Bioresour Technol*. 100: 5834-5839. <http://dx.doi.org/10.1016/j.biortech.2009.06.009>.
- Govender, UP; Letcher, TM; Garg, SK; Ahluwalia, JC. (1996). Effect of temperature and pressure on the volumetric properties of branched and cyclic ethers. *Journal of Chemical and Engineering Data*. 41: 147-150.
- Gowd, EB; Koga, T; Endoh, MK; Kumar, K; Stamm, M. (2014). Pathways of cylindrical orientations in PS-b-P4VP diblock copolymer thin films upon solvent vapor annealing. *Soft Matter*. 10: 7753-7761. <http://dx.doi.org/10.1039/c4sm01460j>.
- Grablowitz, H; Lendlein, A. (2007). Synthesis and characterization of alpha,omega-dihydroxy-telechelic oligo(p-dioxanone). *J Mater Chem*. 17: 4050-4056. <http://dx.doi.org/10.1039/b707104c>.
- Grabtchev, I. (1994). THE SYNTHESIS AND PROPERTIES OF SOME TRIAZENE STILBENE FLUORESCENT BRIGHTENERS. *Dyes and Pigments*. 25: 249-254.
- Graciela Aguayo, M; Ruiz, J; Norambuena, M; Teixeira Mendonca, R. (2015). STRUCTURAL FEATURES OF DIOXANE LIGNIN FROM Eucalyptus globulus AND THEIR RELATIONSHIP WITH THE PULP YIELD OF CONTRASTING GENOTYPES. 17: 625-636. <http://dx.doi.org/10.4067/S0718-221X2015005000055>.
- Green, T; Lee, R; Moore, RB; Ashby, J; Willis, GA; Lund, VJ; MJL, C. (2000). Acetochlor-induced rat nasal tumors: Further studies on the mode of action and relevance to humans. *Regul Toxicol Pharmacol*. 32: 127-133. <http://dx.doi.org/10.1006/rtph.2000.1413>.
- Grodner, J; Jablonski, T. (2007). Present status and perspectives for the use of semiochemicals in protection of Horse-chestnuts against *Cameraria ohridefla*. *Przemysł Chemiczny*. 86: 534-538.
- Grosjean, D. (1990). Atmospheric chemistry of toxic contaminants. 2. Saturated aliphatics: Acetaldehyde, dioxane, ethylene glycol ethers, propylene oxide. *J Air Waste Manag Assoc*. 40: 1522-1531.
- Gu, F; Wu, W; Wang, Z; Yokoyama, T; Jin, Y; Matsumoto, Y. (2015). Effect of complete dissolution in LiCl/DMSO on the isolation and characteristics of lignin from wheat straw internode. *Ind Crop Prod*. 74: 703-711. <http://dx.doi.org/10.1016/j.indcrop.2015.06.002>.
- Guajardo, N; Bernal, C; Wilson, L; Cabrera, Z. (2015). Selectivity of R-alpha-monobenzoate glycerol synthesis catalyzed by *Candida antarctica* lipase B immobilized on heterofunctional supports. *Process Biochemistry*. 50: 1870-1877. <http://dx.doi.org/10.1016/j.procbio.2015.06.025>.
- Guarino, V; Guaccio, A; Guarnieri, D; Netti, PA; Ambrosio, L. (2012). Binary system thermodynamics to control pore architecture of PCL scaffold via temperature-driven phase separation process. *J Biomater Appl*. 27: 241-254. <http://dx.doi.org/10.1177/0885328211401056>.
- Guguta, C; Eeuwijk, I; Smits, JMM; de Gelder, R. (2008). Structural diversity of ethinyl estradiol solvates. *Cryst Growth Des*. 8: 823-831. <http://dx.doi.org/10.1021/cg0702277>.
- Gui, L; Ling, Z; Xia, Y; Jian, W; He-An, L. (2010). Preparation, Characterization and Catalytic Properties of Sn-Containing MCM-41. *Wuji Cailiao Xuebao*. 25: 1041-1046. <http://dx.doi.org/10.3724/SP.J.1077.2010.01041>.

Exposure Literature Search Results

Off Topic

- Guilmette, RA; Cheng, YS; Griffith, WC. (1997). Characterising the variability in adult human nasal airway dimensions. *Ann Occup Hyg.* 41: 491-496.
- Gunduz, C; Salan, U; Ozkul, N; Basaran, I; Cakir, U; Bulut, M. (2006). The synthesis and complexation study of some novel 3-methoxyphenyl chromenone crown ethers using conductometry. *Dyes and Pigments.* 71: 161-167. <http://dx.doi.org/10.1016/j.dyepig.2005.06.021>.
- Guo, G; Li, S; Wang, L, u; Ren, S; Fang, G. (2013). Separation and characterization of lignin from bio-ethanol production residue. *Bioresour Technol.* 135: 738-741. <http://dx.doi.org/10.1016/abiortech.2012.10.041>.
- Guo, J; Liu, X; Lee Miller, A; Waletzki, BE; Yaszemski, MJ; Lu, L. (2017). Novel porous poly(propylene fumarate-co-caprolactone) scaffolds fabricated by thermally induced phase separation. *J Biomed Mater Res A.* 105: 226-235. <http://dx.doi.org/10.1002/jbm.a.35862>.
- Guo, QH; Ohya, H; Yuan, XJ; Chen, LK; Huang, JC. (1995). PREPARATION OF ULTRAFILTRATION MEMBRANES OF HCEC AND CTA BLEND, AND STUDIES OF RESISTANCE TO MICROBIOLOGICAL DEGRADATION AND OTHER PROPERTIES. *J Memb Sci.* 100: 217-228.
- Gupta, BS; Fang, M, eiY; Taha, M; Lee, MJ, er. (2016). Separation of 1,3-dioxolane, 1,4-dioxane, acetonitrile and tert-butanol from their aqueous solutions by using Good's buffer HEPES-Na as an auxiliary agent. *Taiwan Institute of Chemical Engineers Journal.* 66: 43-53. <http://dx.doi.org/10.1016/j.jtice.2016.06.024>.
- Gupta, J; Wilson, BW; Vadlani, PV. (2016). Evaluation of green solvents for a sustainable zein extraction from ethanol industry DDGS. *Biomass and Bioenergy.* 85: 313-319. <http://dx.doi.org/10.1016/j.biombioe.2015.12.020>.
- Gurukul, SMK; Raju, BN. (1970). ISOBARIC VAPOR-LIQUID EQUILIBRIUM DATA FOR SYSTEM 1-PROPANOL-PARA-DIOXANE. *Journal of Chemical and Engineering Data.* 15: 361-&.
- Gurung, A; Hassan, SH; Oh, SE. (2011). Assessing acute toxicity of effluent from a textile industry and nearby river waters using sulfur-oxidizing bacteria in continuous mode. *Environ Technol.* 32: 1597-1604. <http://dx.doi.org/10.1080/09593330.2010.545081>.
- Gurung, A; Kim, S; Joo, J; Jang, M, in; Oh, S. (2012). Assessing toxicities of industrial effluents and 1,4-dioxane using sulphur-oxidising bacteria in a batch test. *Water Environ J.* 26: 224-234. <http://dx.doi.org/10.1111/j.1747-6593.2011.00280.x>.
- Guzman, D; Kirsebom, H; Solano, C; Quillaguaman, J; Hatti-Kaul, R. (2011). Preparation of hydrophilic poly(3-hydroxybutyrate) macroporous scaffolds through enzyme-mediated modifications. *J Bioact Compat Polymer.* 26: 452-463. <http://dx.doi.org/10.1177/0883911511419970>.
- Habibullah, M; Rahman, IMM; Uddin, MA; Anowar, M; Alam, M; Iwakabe, K; Hasegawa, H. (2013). Densities, Viscosities, and Speeds of Sound of Binary Mixtures of Heptan-1-ol with 1,4-Dioxane at Temperatures from (298.15 to 323.15) K and Atmospheric Pressure. *Journal of Chemical and Engineering Data.* 58: 2887-2897. <http://dx.doi.org/10.1021/je400512u>.
- Haldar, U; Bauri, K; Li, R; Faust, R; De, P. (2015). Polyisobutylene-Based pH-Responsive Self-Healing Polymeric Gels. 7: 8779-8788. <http://dx.doi.org/10.1021/acsami.5b01272>.
- Halden, RU. (2015). Epistemology of contaminants of emerging concern and literature meta-analysis. *J Hazard Mater.* 282: 2-9. <http://dx.doi.org/10.1016/j.jhazmat.2014.08.074>.
- Hall, WC. (1990). Peritoneum, retroperitoneum, mesentery and abdominal cavity. In GA Boorman; SL Eustis; MR Elwell; CA Montgomery, Jr.; WF MacKenzie (Eds.), (pp. 63-69). San Diego, CA: Academic Press.
- Hamed, EA; Habeeb, MM; Elhegazy, FM; Shehata, AK. (1995). SOLVATION EFFECT ON THE PROTON-TRANSFER COMPLEX-FORMATION BETWEEN 2,4-DINITRO-1-NAPHTHOL AND AMINES. *Journal of Chemical and Engineering Data.* 40: 1037-1040.
- Hamoudi, Z; Belaribi, FB; Ait-Kaci, A; Boukais-Belaribi, G. (2006). Experimental and predicted excess molar enthalpies for 1,4-dioxane plus octane plus cyclohexane at 303.15 K. *Fluid Phase Equilibria.* 244: 62-67. <http://dx.doi.org/10.1016/j.fluid.2006.03.020>.
- Han, JS; So, MH; Kim, CG. (2009). Optimization of biological wastewater treatment conditions for 1,4-dioxane decomposition in polyester manufacturing processes. *Water Sci Technol.* 59: 995-1002. <http://dx.doi.org/10.2166/wst.2009.079>.
- Han, KJ; Oh, JH; Park, SJ. (2007). Densities and refractive indices of the ternary system ethyl tert-butyl ether (ETBE) plus ethanol plus benzene and its binary sub-systems at 298.15 K. *J Ind Eng Chem.* 13: 360-366.
- Han, M, in; Yuan, D, an; Liu, S; Bao, J; Dai, Z; Zhu, J. (2012). Facile synthesis of porous copper nanobelts and their catalytic performance. *Materials Research Bulletin.* 47: 4438-4444. <http://dx.doi.org/10.1016/j.materresbull.2012.09.044>.
- Han, S; Meng, L; Du, C; Xu, J; Cheng, C; Wang, J; Zhao, H. (2016). Solubility Measurement and Thermodynamic Modeling of 4-Nitrophthalimide in Twelve Pure Solvents at Elevated Temperatures Ranging from (273.15 to 323.15) K. *Journal of Chemical and Engineering Data.* 61: 2525-2535. <http://dx.doi.org/10.1021/acs.jced.6b00230>.
- Han, TH; Han, JS; So, MH; Seo, JW; Ahn, CM; Min, DH; Yoo, YS; Cha, DK; Kim, CG. (2012). The removal of 1,4-dioxane from polyester manufacturing process wastewater using an up-flow Biological Aerated Filter (UBAF) packed with tire chips. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 47: 117-129. <http://dx.doi.org/10.1080/10934529.2012.630291>.
- Hand, S; Wang, B; Chu, KH. (2015). Biodegradation of 1,4-dioxane: effects of enzyme inducers and trichloroethylene. *Sci Total Environ.* 520: 154-159. <http://dx.doi.org/10.1016/j.scitotenv.2015.03.031>.
- Hansch, C; Leo, A; Hoekman, D. (1995). Exploring QSAR: Hydrophobic, electronic, and steric constants. In C Hansch; A Leo; DH Hoekman (Eds.), ACS Professional Reference Book. Washington, DC: American Chemical Society.
- Hao, J; Liu, HJ; Liu, DH. (2005). Novel route of reactive extraction to recover 1,3-propanediol from a dilute aqueous solution. *Ind Eng Chem Res.* 44: 4380-4385. <http://dx.doi.org/10.1021/ie049346z>.
- Hao, J; Xu, F; Liu, HJ; Liu, DH. (2006). Downstream processing of 1,3-propanediol fermentation broth. *J Chem Tech Biotechnol.* 81: 102-108. <http://dx.doi.org/10.1002/jctb.1369>.
- Hara, T; Hashimoto, S; Sugahara, T; Ohgaki, K. (2005). Large pressure depression of methane hydrate by adding 1,1-dimethylcyclohexane. *Chem Eng Sci.* 60: 3117-3119. <http://dx.doi.org/10.1016/j.ces.2005.009>.

Exposure Literature Search Results

Off Topic

- Harkema, JR; Carey, SA; Wagner, JG. (2006). The nose revisited: A brief review of the comparative structure, function, and toxicologic pathology of the nasal epithelium [Review]. *Toxicol Pathol.* 34: 252-269. <http://dx.doi.org/10.1080/01926230600713475>.
- Harris, KR. (2015). Viscous Calibration Liquids for Self-Diffusion Measurements. *Journal of Chemical and Engineering Data.* 60: 3506-3517. <http://dx.doi.org/10.1021/acs.jced.5b00246>.
- Hasegawa, S; Azuma, M; Takahashi, K. (2008). Enzymatic esterification of lactic acid, utilizing the basicity of particular polar organic solvents to suppress the acidity of lactic acid. *J Chem Tech Biotechnol.* 83: 1503-1510. <http://dx.doi.org/10.1002/jctb.1935>.
- Haseman, JK; Hailey, JR. (1997). An update of the National Toxicology Program database on nasal carcinogens. *Mutat Res.* 380: 3-11. [http://dx.doi.org/10.1016/S0027-5107\(97\)00121-8](http://dx.doi.org/10.1016/S0027-5107(97)00121-8).
- Haseman, JK; Hailey, JR; Morris, RW. (1998). Spontaneous neoplasm incidences in Fischer 344 rats and B6C3F1 mice in two-year carcinogenicity studies: A National Toxicology Program update. *Toxicol Pathol.* 26: 428-441. <http://dx.doi.org/10.1177/019262339802600318>.
- Haseman, JK; Huff, J; Boorman, GA. (1984). Use of historical control data in carcinogenicity studies in rodents. *Toxicol Pathol.* 12: 126-135. <http://dx.doi.org/10.1177/019262338401200203>.
- Hassan, A, buM; Vu, DT; Bernard-Brunel, DA; Elliott, JR; Miller, DJ; Lira, CT. (2012). Application of the Step Potential for Equilibria and Dynamics (SPEAD) Method to Bioderived Esters and Acetals. *Ind Eng Chem Res.* 51: 3209-3214. <http://dx.doi.org/10.1021/ie2009058>.
- Hawley, GG; Lewis, RJ, Sr. (2001). *Hawley's condensed chemical dictionary*. In GG Hawley; RJ Lewis, Sr. (Eds.), (14 ed.). New York, NY: John Wiley & Sons.
- Hayashi, S; Watanabe, J; Kawajiri, K. (1991). Genetic polymorphisms in the 5'-flanking region change transcriptional regulation of the human cytochrome P450IIE1 gene. *J Biochem.* 110: 559-565.
- Heijkants, RGJ, C; Van Tienen, TG; De Groot, JH; Pennings, AJ; Buma, P; Veth, RPH; Schouten, AJ. (2006). Preparation of a polyurethane scaffold for tissue engineering made by a combination of salt leaching and freeze-drying of dioxane. *Journal of Materials Science.* 41: 2423-2428. <http://dx.doi.org/10.1007/s10853-006-7065-y>.
- Heise, A; Menzel, H; Yim, H; Foster, MD; Wieringa, RH; Schouten, AJ; Erb, V; Stamm, M. (1997). Grafting of polypeptides on solid substrates by initiation of N-carboxyanhydride polymerization by amino-terminated self-assembled monolayers. *Langmuir.* 13: 723-728.
- Herba, H; Czechowski, G; Zywucki, B; Stockhausen, M; Jadzyn, J. (1995). EXCESS MOLAR VOLUMES OF BINARY-MIXTURES OF AMINO-ALCOHOLS WITH 1,4-DIOXANE. *Journal of Chemical and Engineering Data.* 40: 214-215.
- Herslund, PJ; Thomsen, K, aj; Abildskov, J; von Solms, N; Galfre, A; Brantuas, P; Kwaterski, M; Herri, JM. (2013). Thermodynamic promotion of carbon dioxide-clathrate hydrate formation by tetrahydrofuran, cyclopentane and their mixtures. *Int J Greenhouse Gas Control.* 17: 397-410. <http://dx.doi.org/10.1016/j.ijggc.2013.05.022>.
- Hey, MJ; Alsaagheer, F. (1994). INTERPHASE TRANSFER RATES IN EMULSIONS STUDIED BY NMR-SPECTROSCOPY. *Langmuir.* 10: 1370-1376.
- Hidaka, K; Iwakawa, Y; Maoka, T; Tanimoto, F; Oku, A. (2009). Viable chemical recycling of poly(carbonate) as a phosgene equivalent illustrated by the coproduction of bisphenol A and carbohydrate carbonates. *Journal of Material Cycles and Waste Management.* 11: 6-10. <http://dx.doi.org/10.1007/s10163-008-0211-7>.
- Hidalgo-Carrillo, J; Angeles Aramendia, M; Marinas, A; Maria Marinas, J; Jose Urbano, F. (2010). Support and solvent effects on the liquid-phase chemoselective hydrogenation of crotonaldehyde over Pt catalysts. *Appl Catal A-Gen.* 385: 190-200. <http://dx.doi.org/10.1016/j.apcata.2010.07.012>.
- Hidalgo-Carrillo, J; Marinas, A; Marinas, JM; Delgado, JJ; Raya-Miranda, R; Urbano, FJ. (2014). Water as solvent in the liquid-phase selective hydrogenation of crotonaldehyde to crotyl alcohol over Pt/ZnO: A factorial design approach. *Appl Catal B-Environ.* 154: 369-378. <http://dx.doi.org/10.1016/j.apcatb.2014.02.023>.
- Hiki, S; Taniguchi, I; Miyamoto, M; Kimura, Y. (2001). Synthesis and characterization of a novel rac-PHB derivative containing alpha-malate units. *Sen'i Gakkaishi.* 57: 191-197.
- Hindley, S; Jones, AC; Ashraf, S; Bacsa, J; Steiner, A; Chalker, PR; Beahan, P; Williams, PA; Odedra, R. (2011). Metal Organic Chemical Vapour Deposition of Vertically Aligned ZnO Nanowires Using Oxygen Donor Adducts. *J Nanosci Nanotechnol.* 11: 8294-8301. <http://dx.doi.org/10.1166/jnn.2011.5038>.
- Hoch, M. (1997). Thermodynamics of binary and larger organic-organic and organic-water systems. *CALPHAD.* 21: 359-379.
- Hoebbel, D; Nacken, M; Schmidt, H; Huch, V; Veith, M. (1998). X-ray and NMR spectroscopic characterisation of cyclic titanodiphenylsiloxanes and examination of the hydrolytic stability of their Si-O-Ti bonds. *J Mater Chem.* 8: 171-178.
- Hofrichter, M; Scheibner, K; Bublitz, F; Schneegass, I; Ziegenhagen, D; Martens, R; Fritsche, W. (1999). Depolymerization of straw lignin by manganese peroxidase from *Nematoloma frowardii* is accompanied by release of carbon dioxide. *Holzforschung.* 53: 161-166.
- Hogue, C. (2009). 1,4-Dioxane Exposure not harmful, Canada says. *Chem Eng News.* 87: 24-24.
- Holda, AK; Vankelecom, I, voFJ. (2014). Integrally skinned PSf-based SRNF-membranes prepared via phase inversion-Part B: Influence of low molecular weight additives. *J Memb Sci.* 450: 499-511. <http://dx.doi.org/10.1016/j.memsci.2013.08.051>.
- Holguin, AR; Rodriguez, GA; Cristancho, DM; Delgado, DR; Martinez, F. (2012). Solution thermodynamics of indomethacin in propylene glycol plus water mixtures. *Fluid Phase Equilibria.* 314: 134-139. <http://dx.doi.org/10.1016/j.fluid.2011.11.001>.
- Hollamby, MJ; Tabor, R; Mutch, KJ; Trickett, K; Eastoe, J; Heenan, RK; Grillo, I. (2008). Effect of Solvent Quality on Aggregate Structures of Common Surfactants. *Langmuir.* 24: 12235-12240. <http://dx.doi.org/10.1021/la8020854>.
- Holmgren, A; Zhang, L; Henriksson, G. (2008). Monolignol dehydrogenative polymerization in vitro in the presence of dioxane and a methylated beta-beta' dimer model compound. *Holzforschung.* 62: 508-513. <http://dx.doi.org/10.1515/HF.008.099>.
- Holzer, W; Penzkofer, A; Horhold, HH. (2000). Travelling-wave lasing of TPD solutions and neat films. *Synthetic Metals.* 113: 281-287.
- Holzer, W; Penzkofer, A; Horhold, HH; Raabe, D; Helbig, M. (2000). Photo-physical and lasing characterization of an aromatic diamine-xylylene copolymer. *Optical Materials.* 15: 225-235.

Exposure Literature Search Results

Off Topic

- Holzer, W; Penzkofer, A; Lux, A; Horhold, HH; Kley, EB. (2004). Photo-physical and lasing characterisation of neat films of a thianthrene-substituted distyrylbenzene dye (Thianthrene-DSB). *Synthetic Metals*. 145: 119-127. <http://dx.doi.org/10.1016/j.synthmet.2004.04.027>.
- Holzer, W; Penzkofer, A; Stockmann, R; Meysel, H; Liebegott, H; Horhold, HH. (2001). Energy density dependent fluorescence quenching of diphenyl substituted phenylene-vinylene and diphenylene-vinylene polymers by exciton-exciton annihilation. *Synthetic Metals*. 125: 343-357.
- Hong, Z; Reis, RL; Mano, JF. (2008). Preparation and in vitro characterization of scaffolds of poly(L-lactic acid) containing bioactive glass ceramic nanoparticles. *Acta Biomater*. 4: 1297-1306. <http://dx.doi.org/10.1016/j.actbio.2008.03.007>.
- Horikoshi, S; Serpone, N. (2014). On the influence of the microwaves' thermal and non-thermal effects in titania photoassisted reactions. *Catalysis Today*. 224: 225-235. <http://dx.doi.org/10.1016/j.cattod.2013.10.056>.
- Hortling, B. (1992). DIOXANE LIGNINS FROM PINUS-CARIBAEA VAR HONDURENSIS .1. EFFECT OF CATALYST CONCENTRATION. 74: 323-323.
- Hosokawa, T; Datta, S; Sheth, AR; Brooks, NR; Young, VG; Grant, DJW. (2004). Isostructurality among five solvates of phenylbutazone. *Cryst Growth Des*. 4: 1195-1201. <http://dx.doi.org/10.1021/cg049923m>.
- Hosoya, A; Kurakami, G; Narita, T; Hamana, H. (2007). Novel fluorinated hybrid polymers from tris(alpha-trifluoromethyl-beta, beta-difluorovinyl) 1,3,5-benzenetricarboxylate by radical polyaddition with diethoxydimethylsilane. *React Funct Polym*. 67: 1187-1191. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.06.011>.
- Hou, Q; Grijpma, DW; Feijen, J. (2003). Preparation of interconnected highly porous polymeric structures by a replication and freeze-drying process. *J Biomed Mater Res B Appl Biomater*. 67: 732-740. <http://dx.doi.org/10.1002/jbm.b.10066>.
- Hsieh, CM; Wang, S, hu; Lin, ST, ai; Sandler, SI. (2011). A Predictive Model for the Solubility and Octanol-Water Partition Coefficient of Pharmaceuticals. *Journal of Chemical and Engineering Data*. 56: 936-945. <http://dx.doi.org/10.1021/je1008872>.
- Hsieh, CY; Hsieh, HJ; Liu, HC; Wang, DM; Hou, LT. (2006). Fabrication and release behavior of a novel freeze-gelled chitosan/gamma-PGA scaffold as a carrier for rhBMP-2. *Dent Mater*. 22: 622-629. <http://dx.doi.org/10.1016/j.dental.2005.05.012>.
- Hsu, CY, u; Kuo, MH; Kuo, PL, in. (2015). Preparation, characterization, and properties of poly(styrene-b-sulfonated isoprene)s membranes for proton exchange membrane fuel cells (PEMFCs). *J Memb Sci*. 484: 146-153. <http://dx.doi.org/10.1016/j.memsci.2015.02.038>.
- Hu, F, an; Jung, S; Ragauskas, A. (2013). Impact of Pseudolignin versus Dilute Acid-Pretreated Lignin on Enzymatic Hydrolysis of Cellulose. 1: 62-65. <http://dx.doi.org/10.1021/sc300032j>.
- Hu, TQ; James, BR; Wang, Y. (1999). Towards inhibition of yellowing of mechanical pulps. Part III. Hydrogenation of milled wood lignin. *Journal of Pulp & Paper Science*. 25: 312-317.
- Hu, X; Shen, H; Yang, F, ei; Bei, J; Wang, S. (2008). Preparation and cell affinity of microtubular orientation-structured PLGA(70/30) blood vessel scaffold. *Biomaterials*. 29: 3128-3136. <http://dx.doi.org/10.1016/j.biomaterials.2008.04.010>.
- Hua, FJ; Kim, GE; Lee, JD; Son, YK; Lee, DS. (2002). Macroporous poly(L-lactide) scaffold 1. Preparation of a macroporous scaffold by liquid-liquid phase separation of a PLLA-dioxane-water system. *J Biomed Mater Res*. 63: 161-167.
- Huang, CY; Huang, KL; Cheng, TJ; Wang, JD; Hsieh, LL. (1997). The GST T1 and CYP2E1 genotypes are possible factors causing vinyl chloride induced abnormal liver function. *Arch Toxicol*. 71: 482-488. <http://dx.doi.org/10.1007/s002040050416>.
- Huang, H; Shen, D; Li, N, a; Shan, D, an; Shentu, J; Zhou, Y. (2014). Biodegradation of 1,4-Dioxane by a Novel Strain and Its Biodegradation Pathway. *Water Air Soil Pollut*. 225: 2135-2135. <http://dx.doi.org/10.1007/s11270-014-2135-2>.
- Huang, S, huH; Liu, Y, uY; Huang, Y, unH; Liao, K, uoS; Hu, CC; Lee, KR; Lai, JY, ih. (2014). Study on characterization and pervaporation performance of interfacially polymerized polyamide thin-film composite membranes for dehydrating tetrahydrofuran. *J Memb Sci*. 470: 411-420. <http://dx.doi.org/10.1016/j.memsci.2014.07.022>.
- Huang, Y, u; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2015). HEMICELLULOSE COMPOSITION IN DIFFERENT CELL WALL FRACTIONS OBTAINED USING A DMSO/LICL WOOD SOLVENT SYSTEM AND ENZYME HYDROLYSIS. *Journal of Wood Chemistry and Technology*. 36: 56-62. <http://dx.doi.org/10.1080/02773813.2015.1074248>.
- Huang, Y, u; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2016). Analysis of Lignin Aromatic Structure in Wood Fractions Based on IR Spectroscopy. *Journal of Wood Chemistry and Technology*. 36: 377-382. <http://dx.doi.org/10.1080/02773813.2016.1179325>.
- Hueckel, T. (1997). Chemo-plasticity of clays subjected to stress and flow of a single contaminant. *International Journal for Numerical and Analytical Methods in Geomechanics*. 21: 43-72.
- Huo, Q; Russell, KC; Leblanc, RM. (1998). Effect of complementary hydrogen bonding additives in subphase on the structure and properties of the 2-amino-4,6-dioctadecylamino-1,3,5-triazine amphiphile at the air-water interface: Studies by ultraviolet-visible absorption spectroscopy and Brewster angle microscopy. *Langmuir*. 14: 2174-2186.
- Husain, A; Ellwart, M; Bourne, SA; Ohrstrom, L; Oliver, CL. (2013). Single-Crystal-to-Single-Crystal Transformation of a Novel 2-Fold Interpenetrated Cadmium-Organic Framework with Trimesate and 1,2-Bis(4-pyridyl)ethane into the Thermally Desolvated Form Which Exhibits Liquid and Gas Sorption Properties. *Cryst Growth Des*. 13: 1526-1534. <http://dx.doi.org/10.1021/cg301760a>.
- Huvaere, K; Sinnavee, B; Van Bocxlaer, J; Skibsted, LH. (2012). Flavonoid deactivation of excited state flavins: reaction monitoring by mass spectrometry. *J Agric Food Chem*. 60: 9261-9272. <http://dx.doi.org/10.1021/jf301823h>.
- Hwang, H; Moon, S, unJoo; Won, K; Kim, YH; Choi, JW. (2015). Parameters affecting in vitro monolignol couplings during dehydrogenative polymerization in the presence of peroxidase and H2O2. *J Ind Eng Chem*. 26: 390-395. <http://dx.doi.org/10.1016/j.jiec.2014.12.014>.
- ICRP. (1975). Report of the task group on reference man. In ICRP Publication 23. Oxford, UK: Pergamon Press. http://ani.sagepub.com/site/includefiles/icrp_publications_collection.xhtml.

Exposure Literature Search Results

Off Topic

- ICRP. (2002). Basic anatomical and physiological data for use in radiological protection: Reference values. In *Annals of the ICRP* (pp. 1-277). (ICRP Publication 89). New York, NY: Pergamon Press. [http://dx.doi.org/10.1016/S0146-6453\(03\)00002-2](http://dx.doi.org/10.1016/S0146-6453(03)00002-2).
- Il Lee, S; Cho, A, ra; Koh, J; Moon, SH. (2012). Preparation of CoMoS catalysts for hydrodesulfurization using methylacetoacetate as a chelating agent. *Korean J Chem Eng.* 29: 310-316. <http://dx.doi.org/10.1007/s11814-011-0171-9>.
- Ilani-Kashkouli, P; Babae, S; Gharagheizi, F; Hashemi, H; Mohammadi, AH; Ramjugernath, D. (2013). An assessment test for phase equilibrium data of water soluble and insoluble clathrate hydrate formers. *Fluid Phase Equilibria.* 360: 68-76. <http://dx.doi.org/10.1016/j.fluid.2013.08.016>.
- Ilharco, LM; Garcia, AR; Dasilva, JL; Lemos, MJ; Ferreira, LFV. (1997). Ultraviolet-visible and Fourier transform infrared diffuse reflectance studies of benzophenone and fluorenone adsorbed onto microcrystalline cellulose. *Langmuir.* 13: 3787-3793.
- Illbeigi, M; Fazlali, A; Mohammadi, AH. (2011). Thermodynamic Model for the Prediction of Equilibrium Conditions of Clathrate Hydrates of Methane plus Water-Soluble or -Insoluble Hydrate Former. *Ind Eng Chem Res.* 50: 9437-9450. <http://dx.doi.org/10.1021/ie200442h>.
- Imai, T; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin IV: dependence of acidolysis reaction on the type of acid. *J Wood Sci.* 57: 219-225. <http://dx.doi.org/10.1007/s10086-010-1166-6>.
- Inglese, A; Grolier, JPE; Wilhelm, E. (1983). EXCESS VOLUMES OF MIXTURES OF OXOLANE, OXANE, 1,3-DIOXOLANE, AND 1,4-DIOXANE WITH NORMAL-ALKANES AT 298.15-K, 308.15-K, AND 318.15-K. *Journal of Chemical and Engineering Data.* 28: 124-127.
- Inglese, A; Grolier, JPE; Wilhelm, E. (1984). EXCESS VOLUMES AND EXCESS HEAT-CAPACITIES OF OXANE + CYCLOHEXANE AND 1,4-DIOXANE + CYCLOHEXANE. *Fluid Phase Equilibria.* 15: 287-294.
- Ingram, AJ; Grasso, P. (1985). Nuclear enlargement--an early change produced in mouse epidermis by carcinogenic chemicals applied topically in the presence of a promoter. *J Appl Toxicol.* 5: 53-60. <http://dx.doi.org/10.1002/jat.2550050203>.
- Ingram, AJ; Grasso, P. (1987). Nuclear enlargement produced in mouse skin by carcinogenic mineral oils. *J Appl Toxicol.* 7: 289-295.
- Ion, I, on; Sirbu, F; Ion, AC. (2013). Density, Refractive Index, and Ultrasound Speed in Mixtures of Active Carbon and Exfoliated Graphite Nanoplatelets Dispersed in N,N-Dimethylformamide at Temperatures from (293.15 to 318.15) K. *Journal of Chemical and Engineering Data.* 58: 1212-1222. <http://dx.doi.org/10.1021/je301343n>.
- Iqbal, MJ; Chaudhry, MA. (2009). Thermodynamic Study of Phenyl Salicylate Solutions in Aprotic Solvents at Different Temperatures. *Journal of Chemical and Engineering Data.* 54: 338-341. <http://dx.doi.org/10.1021/je8003595>.
- Isaacson, C; Mohr, TKG; Field, JA. (2006). Quantitative determination of 1,4-dioxane and tetrahydrofuran in groundwater by solid phase extraction GC/MS/MS. *Environ Sci Technol.* 40: 7305-7311. <http://dx.doi.org/10.1021/es0615270>.
- Isaev, RN. (1996). Determination of maleinimides by a kinetic method. *Industrial Laboratory.* 62: 675-677.
- Isaev, RN; Ishkov, AV. (1997). Spectrophotometric determination of tolylmaleimides. *Industrial Laboratory.* 63: 13-15.
- Isaka, K; Udagawa, M; Sei, K; Ike, M. (2016). Pilot test of biological removal of 1,4-dioxane from a chemical factory wastewater by gel carrier entrapping *Afipia* sp. strain D1. *J Hazard Mater.* 304: 251-258. <http://dx.doi.org/10.1016/j.jhazmat.2015.10.066>.
- Ishida, H; Wakimoto, T; Kitao, Y; Tanaka, S; Miyase, T; Nukaya, H. (2009). Quantitation of chafurosides A and B in tea leaves and isolation of prechafurosides A and B from oolong tea leaves. *J Agric Food Chem.* 57: 6779-6786. <http://dx.doi.org/10.1021/jf900032z>.
- Ishizaki, T; Chiba, S; Kaneko, Y; Panomsuan, G. (2014). Electrocatalytic activity for the oxygen reduction reaction of oxygen-containing nanocarbon synthesized by solution plasma. 2: 10589-10598. <http://dx.doi.org/10.1039/c4ta01577k>.
- Ito, H; Imai, T; Lundquist, K; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the Mechanism of beta-O-4 Bond Cleavage During Acidolysis of Lignin. Part 3: Search for the Rate-Determining Step of a Non-Phenolic C-6-C-3 Type Model Compound. *Journal of Wood Chemistry and Technology.* 31: 172-182. <http://dx.doi.org/10.1080/02773813.2010.515050>.
- Iulian, O; Hamplea, LM; Jinescu, G. (1997). Vapour-liquid equilibria of binary and ternary systems containing water, dimethylsulphoxide and 1,4-dioxane. *Hungarian Journal of Industrial Chemistry.* 25: 249-253.
- Iulian, O; Iliuta, M; Hamplea, L; Lintes, G. (1995). REFRACTION INDEX-COMPOSITION CALIBRATION CURVES FOR WATER-ORGANIC COMPONENT HOMOGENEOUS LIQUID-MIXTURES. *Rev Chim.* 46: 591-593.
- Iulian, O; Jinescu, G; Iliuta, M; Hamplea, L. (1994). MODELS FOR VISCOSITY OF LIQUID-SYSTEMS - APPLICATION TO THE BINARY AND TERNARY SOLVENT MIXTURES. *Hungarian Journal of Industrial Chemistry.* 22: 95-100.
- Iulian, O; Nita, I; Ciocirlan, O; Catrinuciu, M; Fedeles, A. (2009). Property Prediction for Binary and Ternary Systems with Water, 1,4-Dioxane, Ethyleneglycol and Diethyleneglycol. *Rev Chim.* 60: 972-975.
- Iwata, F; Sumiya, Y; Nagami, S; Sasaki, A. (2004). Submicrometre-scale fabrication of polycarbonate surface using a scanning micropipette probe microscope. *Nanotechnology.* 15: 422-426. <http://dx.doi.org/10.1088/0957-4484/15/5/003>.
- Izci, A; Bodur, F. (2007). Liquid-phase esterification of acetic acid with isobutanol catalyzed by ion-exchange resins. *React Funct Polym.* 67: 1458-1464. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.07.019>.
- Izci, A; Hosgun, HL. (2007). Kinetics of synthesis of isobutyl propionate over Amberlyst-15. *Turkish Journal of Chemistry.* 31: 493-499.
- Izci, A; Uyar, E; Izci, E. (2009). Determination of Adsorption and Kinetic Parameters for Synthesis of Isobutyl Acetate Catalyzed by Amberlite IR-122. *Chemical Engineering Communications.* 196: 56-67. <http://dx.doi.org/10.1080/00986440802303293>.
- Izotova, L; Ibragimov, B; Ashurov, J; Talipov, S; Weber, E. (2006). Growth of six different crystals of the versatile host compound 1,1'-binaphthyl-2,2'-dicarboxylic acid from solutions in 1,4-dioxane. *Cryst Growth Des.* 6: 2523-2529. <http://dx.doi.org/10.1021/cg060274j>.
- Izumi, Y; Iida, K; Usami, K; Nagata, T. (2003). An efficient method for acetolysis of cyclic ethers catalyzed by heteropolyacid. *Appl Catal A-Gen.* 256: 199-202. [http://dx.doi.org/10.1016/S0926-860X\(03\)00399-5](http://dx.doi.org/10.1016/S0926-860X(03)00399-5).
- Jackson, RE; Dwarakanath, V. (1999). Chlorinated degreasing solvents: Physical-chemical properties affecting aquifer contamination and remediation. *Ground Water Monitoring and Remediation.* 19: 102-110.

Exposure Literature Search Results

Off Topic

- Jacobs, A; Faleni, N; Nassimbeni, LR; Taljaard, JH. (2007). Inclusion by a xanthenol host: Relating structure to the kinetics of desolvation and guest exchange. *Cryst Growth Des.* 7: 1003-1006. <http://dx.doi.org/10.1021/cg060792u>.
- Jacobs, A; Nassimbeni, LR; Nohako, KL; Su, H; Taljaard, JH. (2008). Inclusion with mixed guests: Structure and selectivity. *Cryst Growth Des.* 8: 1301-1305. <http://dx.doi.org/10.1021/cg7010343>.
- Jager, MD; de Deugd, RM; Peters, CJ; Arons, JD; Sloan, ED. (1999). Experimental determination and modeling of structure II hydrates in mixtures of methane plus water plus 1,4-dioxane. *Fluid Phase Equilibria.* 165: 209-223.
- Jager, MD; De Deugd, RM; Peters, CJ; Arons, JD; Sloan, ED. (2000). A model for systems with soluble hydrate formers. *Ann N Y Acad Sci.* 912: 917-923.
- Jahan, MS; Chowdhury, DA; Islam, MK; Moeiz, SM. (2007). Characterization of lignin isolated from some nonwood available in Bangladesh. *Bioresour Technol.* 98: 465-469. <http://dx.doi.org/10.1016/j.biortech.2006.01.005>.
- Jahan, MS; Liu, Z; Wang, H; Saeed, A; Ni, Y. (2012). ISOLATION AND CHARACTERIZATION OF LIGNIN FROM PREHYDROLYSIS LIQUOR OF KRAFT-BASED DISSOLVING PULP PRODUCTION. *Cellulose Chemistry and Technology.* 46: 261-267.
- Jahan, MS; Mun, SP. (2007). Characteristics of dioxane lignins isolated at different ages of Nalita wood (*Trema orientalis*). *Journal of Wood Chemistry and Technology.* 27: 83-98. <http://dx.doi.org/10.1080/02773810701486865>.
- Jain, AK; Srivastava, RK. (1996). Ab-initio studies on electroosmotic separation: Separation of 1,4-dioxane in water solution. *J Memb Sci.* 112: 41-46.
- Jain, P; Singh, M. (2004). Density, viscosity, and excess properties of binary liquid mixtures of propylene carbonate with polar and nonpolar solvents. *Journal of Chemical and Engineering Data.* 49: 1214-1217. <http://dx.doi.org/10.1021/jc034204h>.
- Jankulovska, M; Soptrajanova, L; Spirevska, I; Colancevska-Ragenovik, K; Ristovski, S. (2010). INVESTIGATION OF SOLVENT EFFECTS ON ELECTRONIC ABSORPTION SPECTRA OF SOME SUBSTITUTED 1,2,4-TRIAZOLINE-3-THIONES. *Macedonian Journal of Chemistry and Chemical Engineering.* 29: 43-50.
- Jaramillo, JCP; Velazco, DRM; Baldrich, C. (2004). Semiquantitative analysis of thiophenic compounds in light cycle oil (LCO) using C-13 NMR spectroscopy. *Fuel.* 83: 337-342. <http://dx.doi.org/10.1016/j.fuel.2003.08.008>.
- Jasmann, JR; Borch, T; Sale, TC; Blotevogel, J. (2016). Advanced Electrochemical Oxidation of 1,4-Dioxane via Dark Catalysis by Novel Titanium Dioxide (TiO₂) Pellets. *Environ Sci Technol.* 50: 8817-8826. <http://dx.doi.org/10.1021/acs.est.6b02183>.
- Jayant, V; Das, D. (2016). 1,4-Dioxane-Specific Organic Hosts and Their Polymorphism. *Cryst Growth Des.* 16: 4183-4189. <http://dx.doi.org/10.1021/acs.cgd.6b00830>.
- Jedrych, E; Ziolkowska, K; Chudy, M; Brzozka, Z. (2010). Microfluidic device for cell culture. 86: 33-35.
- Jeetah, R; Bhaw-Luximon, A; Jhurry, D. (2012). New amphiphilic PEG-b-P(ester-ether) micelles as potential drug nanocarriers. *J Nanopart Res.* 14. <http://dx.doi.org/10.1007/s11051-012-1168-y>.
- Jensen, J; Rölfing, JH; Le, DQ; Kristiansen, AA; Nygaard, JV; Hokland, LB; Bendtsen, M; Kassem, M; Lysdahl, H; Bünger, CE. (2014). Surface-modified functionalized polycaprolactone scaffolds for bone repair: in vitro and in vivo experiments. *J Biomed Mater Res A.* 102: 2993-3003. <http://dx.doi.org/10.1002/jbm.a.34970>.
- Jeong, J; Antonyraj, CA; Shin, S; Kim, S; Kim, B; Lee, KY; Cho, J, inKu. (2013). Commercially attractive process for production of 5-hydroxymethyl-2-furfural from high fructose corn syrup. *J Ind Eng Chem.* 19: 1106-1111. <http://dx.doi.org/10.1016/j.jiec.2012.12.004>.
- Jewett, D; Lawless, JG. (1980). Formate esters of 1,2-ethanediol: major decomposition products of p-dioxane during storage. *Bull Environ Contam Toxicol.* 25: 118-121.
- Jezevska, A; Szweczyńska, M; Woźnica, A. (2014). [Occupational exposure to airborne chemical substances in paintings conservators]. *Med Pr.* 65: 33-41.
- Jia, L, in; Levy, D; Durand, D; Imperor-Clerc, M; Cao, A; Li, M, inHui. (2011). Smectic polymer micellar aggregates with temperature-controlled morphologies. *Soft Matter.* 7: 7395-7403. <http://dx.doi.org/10.1039/c1sm05636k>.
- Jiang, B, in; Wang, B; Zhang, L; Sun, Y; Xiao, X; Yang, N, a; Dou, H. (2016). Preparation of poly(L-lactic acid) membrane from solvent mixture via immersion precipitation. *Separation Science and Technology.* 51: 2940-2947. <http://dx.doi.org/10.1080/01496395.2016.1239638>.
- Jiang, K, un; Sheng, D; Zhang, Z; Fu, J, ie; Hou, Z; Liu, X. (2016). Hydrogenation of levulinic acid to gamma-valerolactone in dioxane over mixed MgO-Al₂O₃ supported Ni catalyst. *Catalysis Today.* 274: 55-59. <http://dx.doi.org/10.1016/j.cattod.2016.01.056>.
- Jiang, S; Qin, Y; Wu, S; Xu, S; Li, K; Yang, P; Zhao, K; Lin, L; Gong, J. (2017). Solubility Correlation and Thermodynamic Analysis of Sorafenib Free Base and Sorafenib Tosylate in Monosolvents and Binary Solvent Mixtures. *Journal of Chemical and Engineering Data.* 62: 259-267. <http://dx.doi.org/10.1021/acs.jced.6b00630>.
- Jiang, XK; Ji, GZ; Zhang, JT. (1994). EFFECTIVE NEUTRAL DEAGGREGATORS. *Langmuir.* 10: 122-125.
- Jiang, XK; Shi, JL; Chen, X. (1996). Aggregating tendencies of some phosphonates and phosphinates. *Langmuir.* 12: 3881-3884.
- Jiang, Y, i; Lu, L; Chen, P, ei; Chen, X; Li, J; An, Z. (2012). Synthesis and properties of allyloxy-based biphenyl liquid crystals with multiple lateral fluoro substituents. *Liquid Crystals.* 39: 957-963. <http://dx.doi.org/10.1080/02678292.2012.688224>.
- Jiang, ZH; Argyropoulos, DS. (1999). Isolation and characterization of residual lignins in kraft pulps. *Journal of Pulp & Paper Science.* 25: 25-29.
- Jiao, T; Gao, F; Wang, Y; Zhou, J; Gao, F; Luo, X. (2012). Supramolecular Gel and Nanostructures of Bolaform and Trigonal Cholesteryl Derivatives with Different Aromatic Spacers. *Current Nanoscience.* 8: 111-116.
- Jimenez, DM; Cardenas, ZJ; Delgado, DR; Jouyban, A; Martinez, F. (2014). Solubility and Solution Thermodynamics of Meloxicam in 1,4-Dioxane and Water Mixtures. *Ind Eng Chem Res.* 53: 16550-16558. <http://dx.doi.org/10.1021/ie503101h>.
- Jimenez, DM; Cardenas, ZJ; Delgado, DR; Pena, MA; Martinez, F. (2015). Solubility temperature dependence and preferential solvation of sulfadiazine in 1,4-dioxane + water co-solvent mixtures. *Fluid Phase Equilibria.* 397: 26-36. <http://dx.doi.org/10.1016/j.fluid.2015.03.046>.

Exposure Literature Search Results

Off Topic

- Jin, H; Huang, Y; Wang, X, in; Yu, P; Luo, Y. (2016). Preparation of modified cellulose acetate membranes using functionalized multi-walled carbon nanotubes for forward osmosis. *Desalination and Water Treatment*. 57: 7166-7174. <http://dx.doi.org/10.1080/19443994.2015.1017010>.
- Jin, M; Frohberg, P; Sun, Y; Li, P; Yu, J; Ulrich, J. (2015). Study on metastable zone width and crystal growth of a ternary system: case study MgCl₂ center dot 6H(2)O center dot 1,4-dioxane. *Chem Eng Sci*. 133: 181-189. <http://dx.doi.org/10.1016/j.ces.2014.12.025>.
- Jin, M; Sun, Y; Li, P; Yu, J; Ulrich, J. (2015). The thermal decomposition study of MgCl₂ center dot 6H(2)O center dot 1,4-C₄H₈O₂. *Chem Eng Res Des*. 104: 256-263. <http://dx.doi.org/10.1016/j.cherd.2015.08.011>.
- Johansson, C; Lundquist, K; Theliander, H. (2009). FRACTIONATION OF PROCESSED SPRUCE WOOD OBTAINED IN THE PRODUCTION OF ETHANOL. *BioResources*. 4: 15-25.
- Johansson, DM; Theander, M; Inganas, O; Andersson, MR. (2000). A convenient synthetic route to poly(p-phenylene-1,2-diphenylvinylenes). *Synthetic Metals*. 113: 293-297.
- Johns, MM; Marshall, WE; Toles, CA. (1998). Agricultural by-products as granular activated carbons for adsorbing dissolved metals and organics. *J Chem Tech Biotechnol*. 71: 131-140.
- Johnsson, P; Kamal-Eldin, A; Lundgren, LN; Aman, P. (2000). HPLC method for analysis of secoisolariciresinol diglucoside in flaxseeds. *J Agric Food Chem*. 48: 5216-5219.
- Johnston, A; Florence, AJ; Shankland, N; Kennedy, AR; Shankland, K; Price, SL. (2007). Crystallization and crystal energy landscape of hydrochlorothiazide. *Cryst Growth Des*. 7: 705-712. <http://dx.doi.org/10.1021/cg0606242>.
- Johnston, EE; Bryers, JD; Ratner, BD. (2005). Plasma deposition and surface characterization of oligoglyme, dioxane, and crown ether nonfouling films. *Langmuir*. 21: 870-881. <http://dx.doi.org/10.1021/la036274s>.
- Joo, H; Chae, HJ; Yeo, JS; Yoo, YJ. (1997). Depolymerization of phenolic polymers using horseradish peroxidase in organic solvent. *Process Biochemistry*. 32: 291-296.
- Joshi, SS; Aminabhavi, TM. (1990). EXCESS VOLUMES OF BINARY-MIXTURES OF ANISOLE WITH BROMOBENZENE, O-DICHLOROBENZENE, O-CHLOROANILINE AND P-DIOXANE AT 298.15, 303.15 AND 313.15-K. *Fluid Phase Equilibria*. 60: 319-326.
- Joshi, SS; Aminabhavi, TM; Balundgi, RH. (1991). EXCESS PROPERTIES OF BINARY-LIQUID MIXTURES OF NITROBENZENE WITH ALIPHATIC LIQUIDS IN THE TEMPERATURE-RANGE 298.15-313.15 K. 29: 541-544.
- Joshi, YS; Kumbharkhane, AC. (2012). Study of dielectric relaxation and hydrogen bonding in water+2-butoxyethanol mixtures using TDR technique. *Fluid Phase Equilibria*. 317: 96-101. <http://dx.doi.org/10.1016/j.fluid.2012.01.005>.
- Jozwiak, M. (2011). Effect of Base-Acid Properties of the Mixture of Water with Propan-1-ol on the Solution Enthalpy of Cyclic Ethers in This Mixture at T=298.15 K. *Journal of Chemical and Engineering Data*. 56: 4710-4714. <http://dx.doi.org/10.1021/je200695y>.
- Jozwiak, M; Kosiorowska, MA. (2010). Effect of Temperature on the Process of Hydrophobic Hydration. Part I. Hydrophobic Hydration of 1,4-Dioxane and 12-Crown-4 Ethers. *Journal of Chemical and Engineering Data*. 55: 2776-2780. <http://dx.doi.org/10.1021/je900996k>.
- Jozwiak, M; Kosiorowska, MA; Jozwiak, A. (2010). Enthalpy of Solvation of Monoglyme, Diglyme, Triglyme, Tetraglyme, and Pentaglyme in Mixtures of Water with N,N-Dimethylformamide at 298.15 K. *Journal of Chemical and Engineering Data*. 55: 5941-5945. <http://dx.doi.org/10.1016/je100659q>.
- Ju, S, eoHee; Kang, Y, unC. (2010). Effects of types of drying control chemical additives on the morphologies and electrochemical properties of Li₄Ti₅O₁₂ anode powders prepared by spray pyrolysis. *J Alloy Comp*. 506: 913-916. <http://dx.doi.org/10.1016/j.jallcom.2010.07.114>.
- Ju, YH; Khaleel, AW; Fazary, AE. (2010). Guanidinium Protonation Equilibria of L-Canavanine in Different Ionic Media. *Journal of Chemical and Engineering Data*. 55: 3772-3778. <http://dx.doi.org/10.1021/je100292g>.
- Jumean, FH; Abdulrahim, Z. (1992). THERMODYNAMICS OF THE IONIZATION OF BORIC-ACID IN METHANOL-WATER AND 1,4-DIOXANE-WATER. *Ann Chim*. 82: 549-556.
- Jung, W, ooH; Lee, K, iTae; Lee, DH, an; Han, SC; Kim, Y; Lee, JO, o. (2009). Effects of Solvent, Film Thickness, and Hydrogen Bonding on Surface-Relief Gratings. *Polymer Engineering and Science*. 49: 922-929. <http://dx.doi.org/10.1002/pen.21222>.
- Jurvilliers, X; Schneider, R; Fort, Y; Walcarius, A; Ghanbaja, J. (2005). Novel single-phase and gram-scale synthesis of thiol-uncapped stable colloidal gold nanoparticles. *J Nanosci Nanotechnol*. 5: 282-287. <http://dx.doi.org/10.1166/jnn.2005.032>.
- Kabay, N. (1994). PREPARATION OF AMIDOXIME-FIBER ADSORBENTS BASED ON POLY(METHACRYLONITRILE) FOR RECOVERY OF URANIUM FROM SEAWATER. *Separation Science and Technology*. 29: 375-384.
- Kabir-ud-Din; Koya, PA. (2010). Micellar Properties and Related Thermodynamic Parameters of the 14-6-14, 2Br(-) Gemini Surfactant in Water plus Organic Solvent Mixed Media. *Journal of Chemical and Engineering Data*. 55: 1921-1929. <http://dx.doi.org/10.1021/je900894x>.
- Kacik, F; Kacikova, D; Giertlova, Z; Geffert, A. (1999). Changes of maple wood lignin (*Acer pseudoplatanus* L.) due to hydrothermal treatment. 44: 31-40.
- Kacik, F; Luptakova, J; Smira, P; Nasswettrova, A; Kacikova, D; Vacek, V. (2016). Chemical Alterations of Pine Wood Lignin during Heat Sterilization. *BioResources*. 11: 3442-3452.
- Kacik, F; Sindler, J; Kacikova, D. (1998). Chemical characteristics of lignin isolated from black locust wood after its hydrothermal treatment. *Cellulose Chemistry and Technology*. 32: 261-267.
- Kacik, FI; Melcer, I; Melcerova, A. (1992). CHARACTERISTIC OF HYDROTHERMAL AND THERMAL-TREATMENT OF BEECHWOOD - HYDROTHERMICALLY PRETREATED BEECH WOOD LIGNIN. *Holz als Roh- und Werkstoff*. 50: 79-84.
- Kadaba, PK. (1994). TRIAZOLINES .29. 1,5-DIARYL-DELTA(2)-1,2,3-TRIAZOLINES AS APHICIDES - MECHANISM OF ACTION VIA AZIRIDINE FORMATION. *Pestic Sci*. 42: 299-304.
- Kalali, HE; Demiriz, AM; Budde, J; Kohler, F; Dallos, A; Ratkovics, F. (1990). EXCESS GIBBS ENERGIES AND EXCESS VOLUMES OF THE MIXTURES ETHANOIC ACID + 1,4-DIOXANE AND OXOLANE. *Fluid Phase Equilibria*. 54: 111-120.

Exposure Literature Search Results

Off Topic

- Kaleswaran, D; Vishnoi, P; Murugavel, R. (2015). [3+3] Imine and beta-ketoenamine tethered fluorescent covalent-organic frameworks for CO₂ uptake and nitroaromatic sensing. 3: 7159-7171. <http://dx.doi.org/10.1039/c5tc00670h>.
- Kamal, M; Srivastava, AK. (2001). Styrene-co-acrylonitrile and poly(arsenicacrylate) based interpenetrating polymer network: synthesis and characterization. *React Funct Polym.* 49: 55-65. [http://dx.doi.org/10.1016/s1381-5148\(01\)00022-0](http://dx.doi.org/10.1016/s1381-5148(01)00022-0).
- Kameshima, Y; Tamura, Y; Nakajima, A; Okada, K. (2009). Preparation and properties of TiO₂/montmorillonite composites. *Appl Clay Sci.* 45: 20-23. <http://dx.doi.org/10.1016/j.clay.2009.03.005>.
- Kammel, R; Tarabova, D; Machalicky, O; Nepras, M; Frumarova, B; Hanusek, J. (2016). Synthesis, characterization and spectral properties of new, highly fluorescent, 4-hydroxythiazoles. *Dyes and Pigments.* 128: 101-110. <http://dx.doi.org/10.1016/j.dyepig.2016.01.017>.
- Kamran-Pirzaman, A; Mohammadi, AH; Pahlavanzadeh, H. (2015). Thermodynamic Model for Prediction of Phase Equilibria of Clathrate Hydrates in the Presence of Water-Insoluble Organic Compounds. *Chemical Engineering Communications.* 202: 806-814. <http://dx.doi.org/10.1080/00986445.2013.878876>.
- Kanade, BV; Vakharia, MN; Pandya, MV; Patel, BM; Patel, AT; Oswal, SL. (1992). SURFACE TENSIONS OF BINARY-LIQUID MIXTURES AND THEIR CORRELATION WITH PRIGOGINE-FLORY-PATTERSON THEORY. 30: 308-312.
- Kani, I. (1995). THE COMPLEXATION OF CD(II) WITH SODIUM DIETHYLDITHIOCARBAMATE. *Turkish Journal of Chemistry.* 19: 224-230.
- Kanjolia, R; Jones, AC; Ashraf, S; Bacsá, J; Black, K; Chalker, PR; Beahan, P; Hindley, S; Odedra, R; Williams, PA; Heys, PN. (2011). Dimethylzinc adduct chemistry revisited: MOCVD of vertically aligned ZnO nanowires using the dimethylzinc 1,4-dioxane adduct. *J Cryst Growth.* 315: 292-296. <http://dx.doi.org/10.1016/j.jcrysgro.2010.09.016>.
- Kano, H; Goto, K; Suzuki, M; Yamazaki, K; Nishizawa, T; Arito, H; Yamamoto, S; Matsushima, T. (2002). An exposure system for combined administration of an organic solvent to rodents by inhalation and water-drinking and its operational performance. *J Occup Health.* 44: 119-124. <http://dx.doi.org/10.1539/joh.44.119>.
- Kapadi, UR; Chavan, SK. (1994). VISCOSITIES AND PARTIAL MOLAR VOLUMES OF [(CH₃)₄N]⁽²⁾CENTER-DOT-HGCL₄ IN DIOXANE-WATER MIXTURES. *Indian J Chem Tech.* 1: 314-316.
- Karbe, E; Kerlin, RL. (2002). Cystic degeneration/spongiosis hepatitis in rats. *Toxicol Pathol.* 30: 216-227. <http://dx.doi.org/10.1080/019262302753559551>.
- Karboune, S; Archelas, A; Baratti, JC. (2010). Free and immobilized *Aspergillus niger* epoxide hydrolase-catalyzed hydrolytic kinetic resolution of racemic p-chlorostyrene oxide in a neat organic solvent medium. *Process Biochemistry.* 45: 210-216. <http://dx.doi.org/10.1016/j.procbio.2009.09.009>.
- Karczewski, S; Piasecki, A; Maliszewska, I. (2008). Synthesis and surface properties of dicephalic surfactants with a 1,3-dioxane ring. *Journal of Surfactants and Detergents.* 11: 201-205. <http://dx.doi.org/10.1007/s11743-008-1073-7>.
- Karimova, K; Akhmedov, K; Qazi, I; Khan, TA. (2007). Poly-N-epoxypropylcarbazole complexes photocapacitive detectors. *J Optoelect Adv Mater.* 9: 2867-2872.
- Karpenko, IA; Niko, Y; Yakubovskiy, VP; Gerasov, AO; Bonnet, D; Kovtun, YP; Klymchenko, AS. (2016). Push-pull dioxaborine as fluorescent molecular rotor: far-red fluorogenic probe for ligand-receptor interactions. 4: 3002-3009. <http://dx.doi.org/10.1039/c5tc03411f>.
- Karra, JR; Huang, Y, ouGui; Walton, KS. (2013). Synthesis, Characterization, and Adsorption Studies of Nickel(II), Zinc(II), and Magnesium(II) Coordination Frameworks of BTB. *Cryst Growth Des.* 13: 1075-1081. <http://dx.doi.org/10.1021/cg3013393>.
- Karunakaran, C; Karuthapandian, S. (2006). Solar photooxidation of diphenylamine. *Solar Energy Materials and Solar Cells.* 90: 1928-1935. <http://dx.doi.org/10.1016/j.solmat.2005.12.003>.
- Karymov, MA; Prochazka, K; Mendenhall, JM; Martin, TJ; Munk, P; Webber, SE. (1996). Chemical attachment of polystyrene-block-poly(methacrylic acid) micelles on a silicon nitride surface. *Langmuir.* 12: 4748-4753.
- Kasai, T. (2008). 1,4-Dioxane toxicity studies [Personal Communication].
- Kasem, KK. (1994). SOLVENT EFFECTS ON THE REDOX BEHAVIOR OF SILICOTUNGSTATE IN MIXTURES OF SOME OXOANIONS AND THEIR POTENTIAL ANALYTICAL APPLICATIONS. *Ann Chim.* 84: 365-377.
- Kasoju, N; Kubies, D; Sedlačík, T; Janoušková, O; Koubková, J; Kumorek, MM; Rypáček, F. (2016). Polymer scaffolds with no skin-effect for tissue engineering applications fabricated by thermally induced phase separation. 11: 015002. <http://dx.doi.org/10.1088/1748-6041/11/1/015002>.
- Kasper, P; Uno, Y; Mauthe, R; Asano, N; Douglas, G; Matthews, E; Moore, M; Mueller, L; Nakajima, M; Singer, T; Speit, G. (2007). Follow-up testing of rodent carcinogens not positive in the standard genotoxicity testing battery: IWGT workgroup report [Review]. *Mutat Res.* 627: 106-116. <http://dx.doi.org/10.1016/j.mrgentox.2006.10.007>.
- Kastelankunst, L; Dananic, V; Kunst, B; Kosutic, K. (1996). Preparation and porosity of cellulose triacetate reverse osmosis membranes. *J Memb Sci.* 109: 223-230.
- Kastelankunst, L; Sambrailo, D; Kunst, B. (1991). ON THE SKINNED CELLULOSE TRIACETATE MEMBRANES FORMATION. *Desalination.* 83: 331-342.
- Katagiri, T; Nagano, K; Aiso, S; Senoh, H; Sakura, Y; Takeuchi, T; Okudaira, M. (1998). A pathological study on spontaneous hepatic neoplasms in BDF1 mice. *J Toxicol Pathol.* 11: 21-25. <http://dx.doi.org/10.1293/tox.11.21>.
- Katayama, H; Ichikawa, MA. (1995). LIQUID-LIQUID EQUILIBRIA OF 3 TERNARY-SYSTEMS - METHANOL-HEPTANE INCLUDING 1,3-DIOXOLANE, 1,4-DIOXANE AND TETRAHYDROPYRAN IN THE RANGE OF 253.15 TO 303.15K. *J Chem Eng Jpn.* 28: 412-418.
- Katayama, H; Satoh, T. (2015). Liquid-Liquid Equilibria of Three Ternary Systems: {Glycerol plus Benzene plus Methanol}, {Glycerol plus Benzene plus Ethanol}, and {Glycerol plus Benzene+1-Propanol}. *Journal of Chemical and Engineering Data.* 60: 828-835. <http://dx.doi.org/10.1021/je500939v>.
- Katayama, H; Satoh, T. (2015). Liquid-Liquid Equilibria of Three Ternary Systems: Glycerol plus Acetone plus Water, Glycerol+1, 4-Dioxane + Water, and Glycerol plus Acetonitrile plus Water. 22: 1-15.

Exposure Literature Search Results

Off Topic

- Kato, M; Konishi, H; Hirata, M. (1970). APPARATUS FOR MEASUREMENT OF ISOBARIC DEW AND BUBBLE POINTS AND VAPOR-LIQUID EQUILIBRIA - METHANOL-WATER AND WATER-DIOXANE SYSTEMS. *Journal of Chemical and Engineering Data*. 15: 501-&.
- Kavvadias, D; Beuerle, T; Wein, M; Boss, B; Konig, T; Schwab, W. (1999). Novel 1,3-dioxanes from apple juice and cider. *J Agric Food Chem*. 47: 5178-5183.
- Kawai, A; Ikeda, T; Kiyozumi, Y; Chiku, H; Mizukami, F. (2006). Effect of alkali cations on the synthesis of novel layered silicates in the system SiO₂-tetramethylammonium hydroxide-1,4-dioxane. *Mater Chem Phys*. 99: 470-473. <http://dx.doi.org/10.1016/j.matchemphys.2005.11.026>.
- Kawai, A; Urabe, Y; Itoh, T; Mizukami, F. (2010). Immobilization of lysozyme on the layered silicate RUB-15. *Mater Chem Phys*. 122: 269-272. <http://dx.doi.org/10.1016/j.matchemphys.2010.02.047>.
- Kawai, S; Ohashi, H; Hirai, T; Okuyama, H; Higuchi, T. (1993). DEGRADATION OF SYRINGYL LIGNIN MODEL POLYMER BY LACCASE OF CORIOLUS-VERSICOLOR. 39: 98-102.
- KAWAIZUMI, F; Miyahara, Y. (1970). HYDRATION OF COMPLEXES .4. HYDRATION OF COMPLEXES IN WATER-DIOXANE SYSTEMS. 91: 333-&.
- Kawamura, T; Takeya, S; Ohtake, M; Yamamoto, Y. (2011). Enclathration of hydrogen by organic-compound clathrate hydrates. *Chem Eng Sci*. 66: 2417-2420. <http://dx.doi.org/10.1016/j.ces.2011.03.002>.
- Kebede, Z; Lindquist, SE. (1999). Donor-acceptor interaction between non-aqueous solvents and I-2 to generate I-3(-), and its implication in dye sensitized solar cells. *Solar Energy Materials and Solar Cells*. 57: 259-275.
- Kegel, FS; Rietman, BM; Verliefde, AR. (2010). Reverse osmosis followed by activated carbon filtration for efficient removal of organic micropollutants from river bank filtrate. *Water Sci Technol*. 61: 2603-2610. <http://dx.doi.org/10.2166/wst.2010.166>.
- Khalil, MM; El-Deeb, MM; Mahmoud, RK. (2007). Equilibrium studies of binary systems involving lanthanide and actinide metal ions and some selected aliphatic and aromatic monohydroxamic acids. *Journal of Chemical and Engineering Data*. 52: 1571-1579. <http://dx.doi.org/10.1021/jc600541a>.
- Khalil, MM; Radalla, AM; Mohamed, AG. (2009). Potentiometric Investigation on Complexation of Divalent Transition Metal Ions with Some Zwitterionic Buffers and Triazoles. *Journal of Chemical and Engineering Data*. 54: 3261-3272. <http://dx.doi.org/10.1021/jc9002459>.
- Khalyfa, A; Kermasha, S; Alli, I. (1992). EXTRACTION, PURIFICATION, AND CHARACTERIZATION OF CHLOROPHYLLS FROM SPINACH LEAVES. *J Agric Food Chem*. 40: 215-220.
- Khan, E; Wirojanagud, W; Sermasai, N. (2009). Effects of iron type in Fenton reaction on mineralization and biodegradability enhancement of hazardous organic compounds. *J Hazard Mater*. 161: 1024-1034. <http://dx.doi.org/10.1016/j.jhazmat.2008.04.049>.
- Khan, MN; Al Dwayyan, AS; Al Hoshan, M. (2013). Morphology and optical properties of a porous silicon-doped sol-gel host. *Electronic Materials Letters*. 9: 697-703. <http://dx.doi.org/10.1007/s13391-013-2241-0>.
- Khan, UA; Afsar, MN. (2007). Measurement of broadband dielectric properties of cyclohexane, chlorobenzene, 10% formalin, and 1,4-dioxane using dispersive Fourier transform spectroscopy. *I E E E Transactions on Instrumentation and Measurement*. 56: 2354-2359. <http://dx.doi.org/10.1109/TIM.2007.908325>.
- Kher, SS; Wells, RL. (1994). A STRAIGHTFORWARD, NEW METHOD FOR THE SYNTHESIS OF NANOCRYSTALLINE GAAS AND GAP. *Chem Mater*. 6: 2056-2062.
- Kilbinger, AFM; Feast, WJ. (2000). Solution processable alternating oligothiophene-PEO-block-co-polymers: synthesis and evidence for solvent dependent aggregation. *J Mater Chem*. 10: 1777-1784.
- Kim, B; Lee, J. (2013). Directional crystallization of dioxane in the presence of PVDF producing porous membranes. *J Cryst Growth*. 373: 45-49. <http://dx.doi.org/10.1016/j.jcrysgro.2012.09.005>.
- Kim, BS; Lee, J. (2013). Pore size reduction in directional crystallization processing of porous polymeric membranes. *J Nanosci Nanotechnol*. 13: 2276-2283. <http://dx.doi.org/10.1166/jnn.2013.7096>.
- Kim, CG; Seo, HJ; Lee, BR. (2006). Decomposition of 1,4-dioxane by advanced oxidation and biochemical process. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 41: 599-611. <http://dx.doi.org/10.1080/10934520600574807>.
- Kim, D, oY; Park, Y; Lee, H. (2007). Tuning clathrate hydrates: Application to hydrogen storage. *Catalysis Today*. 120: 257-261. <http://dx.doi.org/10.1016/j.cattod.2006.09.001>.
- Kim, HD; Bae, EH; Kwon, IC; Pal, RR; Nam, JD; Lee, DS. (2004). Effect of PEG-PLLA diblock copolymer on macroporous PLLA scaffolds by thermally induced phase separation. *Biomaterials*. 25: 2319-2329. <http://dx.doi.org/10.1016/j.biomaterials.2003.09.011>.
- Kim, HS; Kwon, BH; Yoa, SJ, un; Kim, I, IKyu. (2008). Degradation of 1,4-Dioxane by Photo-Fenton Processes. *J Chem Eng Jpn*. 41: 829-835.
- Kim, I, nC; Jin, YS; Song, D; Ahn, S, uH; Park, Y; Kim, B; Jegal, J; Seo, B; Kim, J; Kwon, Y; Mo, C; Lee, J; Kim, DS; Lim, S. (2013). Preparation of ultrafiltration membrane by newly synthesized AMC polymer. *Desalination and Water Treatment*. 51: 5196-5203. <http://dx.doi.org/10.1080/19443994.2013.768425>.
- Kim, J; Haam, S; Park, DW; Ahn, IS; Lee, TG; Kim, HS; Kim, WS. (2004). Biocatalytic esterification of beta-methylglucoside for synthesis of biocompatible sugar-containing vinyl esters. *Chem Eng J*. 99: 15-22. <http://dx.doi.org/10.1016/j.cej.2003.09.001>.
- Kim, J, inW; Taki, K; Nagamine, S; Ohshima, M. (2008). Preparation of poly(L-lactic acid) honeycomb monolith structure by unidirectional freezing and freeze-drying. *Chem Eng Sci*. 63: 3858-3863. <http://dx.doi.org/10.1016/j.ces.2008.04.036>.
- Kim, JJ, u; Bang, S, oHee; El-Fiqi, A; Kim, H, aeWon. (2014). Fabrication of nanofibrous macroporous scaffolds of poly(lactic acid) incorporating bioactive glass nanoparticles by camphene-assisted phase separation. *Mater Chem Phys*. 143: 1092-1101. <http://dx.doi.org/10.1016/j.matchemphys.2013.11.009>.
- Kim, JW; Taki, K; Nagamine, S; Ohshima, M. (2009). Preparation of porous poly(L-lactic acid) honeycomb monolith structure by phase separation and unidirectional freezing. *Langmuir*. 25: 5304-5312. <http://dx.doi.org/10.1021/la804057e>.

Exposure Literature Search Results

Off Topic

- Kim, KW; Lee, BH; Kim, S; Kim, HJ; Yun, JH; Yoo, SE; Sohn, JR. (2011). Reduction of VOC emission from natural flours filled biodegradable biocomposites for automobile interior. *J Hazard Mater.* 187: 37-43. <http://dx.doi.org/10.1016/j.jhazmat.2010.07.075>.
- Kim, M, inSoo; Chang, J, iY. (2011). Preparation of multifunctional mesoporous silica particles: the use of an amphiphilic silica precursor with latent amine functionality in selective functionalization of the inner surface. *J Mater Chem.* 21: 8766-8771. <http://dx.doi.org/10.1039/c1jm10440c>.
- Kim, MY; Lee, YW; Byun, HS; Lim, JS. (2006). Recrystallization of poly(L-lactic acid) into submicrometer particles in supercritical carbon dioxide. *Ind Eng Chem Res.* 45: 3388-3392. <http://dx.doi.org/10.1021/ie050711b>.
- Kim, NH; Won, YS; Choi, JS. (1998). Partial molar heat of mixing at infinite dilution in solvent/polymer (PEG, PMMA, P(ET-VA)) solutions. *Fluid Phase Equilibria.* 146: 223-246.
- Kim, S; Baek, I, IH; You, JK; Seo, Y. (2015). Guest gas enclathration in tetra-n-butyl ammonium chloride (TBAC) semiclathrates: Potential application to natural gas storage and CO₂ capture. *Appl Energ.* 140: 107-112. <http://dx.doi.org/10.1016/j.apenergy.2014.11.076>.
- Kim, Sl, I; Kim, CU, ng; Park, S, oJin. (2006). Solubility of organic systems containing 1,4-dioxane-2-one. *Journal of Chemical and Engineering Data.* 51: 1182-1184. <http://dx.doi.org/10.1021/je050406x>.
- Kim, W; Chang, J, iY. (2011). Molecularly imprinted polyimide nanofibers prepared by electrospinning. *Mater Lett.* 65: 1388-1391. <http://dx.doi.org/10.1016/j.matlet.2011.02.010>.
- Kim, Y; Park, K, eeY; Jang, DM; Song, Y, unMi; Kim, H, anS; Cho, YJ, ae; Myung, Y; Park, J. (2010). Synthesis of Au-Cu₂S Core-Shell Nanocrystals and Their Photocatalytic and Electrocatalytic Activity. *J Phys Chem C.* 114: 22141-22146. <http://dx.doi.org/10.1021/jp109127m>.
- Kim, YS; Meshitsuka, G; Ishizu, A. (1994). STRUCTURAL HETEROGENEITY OF LIGNIN - CONTRIBUTION OF CARBON-CARBON BONDS. 40: 407-413.
- Kinart, CM; Kinart, WJ; Cwiklinska, A. (2002). Densities and relative permittivities for 2-methoxyethanol plus dioxane from (291.15 to 313.15) K. *Journal of Chemical and Engineering Data.* 47: 23-25. <http://dx.doi.org/10.1021/je010046n>.
- Kiran; Rana, DS; Balokhra, RL; Umar, A; Chauhan, S. (2012). A thermodynamic study of 1,4-dioxane across cellulose acetate membrane under different conditions. *Fluid Phase Equilibria.* 322: 148-158. <http://dx.doi.org/10.1016/j.fluid.2012.03.013>.
- Kiraz, A; Sinag, A; Tekes, AT; Misirlioglu, Z; Canel, M. (2004). Effect of pre-swelling on extractability and solvent swelling of Ermenek lignite (Turkey). *Energy Sources.* 26: 431-439. <http://dx.doi.org/10.1080/00908310490429678>.
- Kishimoto, N; Kitamura, T; Kato, M; Otsu, H. (2013). Reusability of iron sludge as an iron source for the electrochemical Fenton-type process using Fe²⁺/HOCl system. *Water Res.* 47: 1919-1927. <http://dx.doi.org/10.1016/j.watres.2013.01.021>.
- Kishimoto, N; Kitamura, T; Nakamura, Y. (2015). Applicability of an electrochemical Fenton-type process to actual wastewater treatment. *Water Sci Technol.* 72: 850-857. <http://dx.doi.org/10.2166/wst.2015.279>.
- Kishimoto, N; Nakagawa, T; Asano, M; Abe, M; Yamada, M; Ono, Y. (2008). Ozonation combined with electrolysis of 1,4-dioxane using a two-compartment electrolytic flow cell with solid electrolyte. *Water Res.* 42: 379-385. <http://dx.doi.org/10.1016/j.watres.2007.07.029>.
- Kishimoto, N; Nakagawa, T; Okada, H; Mizutani, H. (2011). Effect of Separation of Ozonation and Electrolysis on Effective Use of Ozone in Ozone-Electrolysis Process. *Ozone: Science and Engineering.* 33: 463-469. <http://dx.doi.org/10.1080/01919512.2011.615282>.
- Kishimoto, N; Nakamura, E, ri. (2011). Effects of Ozone-Gas Bubble Size and pH on Ozone/UV Treatment. *Ozone: Science and Engineering.* 33: 396-402. <http://dx.doi.org/10.1080/01919512.2011.603657>.
- Kishimoto, N; Nakamura, Y, u; Kato, M; Otsu, H. (2015). Effect of oxidation-reduction potential on an electrochemical Fenton-type process. *Chem Eng J.* 260: 590-595. <http://dx.doi.org/10.1016/j.cej.2014.09.056>.
- Kishimoto, N; Nishimura, H. (2015). Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. *Environ Technol.* 36: 2436-2442. <http://dx.doi.org/10.1080/09593330.2015.1034187>.
- Kishimoto, N; Sugimura, E. (2010). Feasibility of an electrochemically assisted Fenton method using Fe(2+)/HOCl system as an advanced oxidation process. *Water Sci Technol.* 62: 2321-2329. <http://dx.doi.org/10.2166/wst.2010.203>.
- Kishimoto, N; Yasuda, Y; Mizutani, H; Ono, Y. (2007). Applicability of ozonation combined with electrolysis to 1,4-dioxane removal from wastewater containing radical scavengers. *Ozone: Science and Engineering.* 29: 13-22. <http://dx.doi.org/10.1080/01919510601096718>.
- Kitaev, V; Kumacheva, E. (1998). Self-assembly of polypeptide molecules on charged surfaces. 1. Effect of polydispersity. *Langmuir.* 14: 5568-5572.
- Klecka, GM; Gonsior, SJ. (1986). REMOVAL OF 1,4-DIOXANE FROM WASTE-WATER. *J Hazard Mater.* 13: 161-168.
- Klein, AP; Beach, ES; Emerson, JW; Zimmerman, JB. (2010). Accelerated solvent extraction of lignin from Aleurites moluccana (Candlenut) nutshells. *J Agric Food Chem.* 58: 10045-10048. <http://dx.doi.org/10.1021/jf1019856>.
- Klepacova, K; Mravec, D; Kaszonyi, A; Bajus, M. (2007). Etherification of glycerol and ethylene glycol by isobutylene. *Appl Catal A-Gen.* 328: 1-13. <http://dx.doi.org/10.1016/j.apcata.2007.03.031>.
- Klohr, E; Zugenmaier, P. (1994). POLYMER-SOLVENT EFFECTS IN CELLULOSE URETHANE AND METHYL CELLULOSE URETHANE SOLUTIONS. *Cellulose.* 1: 259-280.
- Knapas, K; Hatanpaa, T; Ritala, M; Leskela, M. (2010). In Situ Reaction Mechanism Studies on Atomic Layer Deposition of Sb₂Te₃ and GeTe from (Et₃Si)₂Te and Chlorides. *Chem Mater.* 22: 1386-1391. <http://dx.doi.org/10.1021/cm902180d>.
- Ko, W, eiYi; Chen, L, iJen; Lin, ST, ai; Chen, Y, anP. (2011). Measurements for the Dissociation Conditions of Methane Hydrate in the Presence of 1,3,5-Trioxane and Oxolan-2-ylmethanol. *Journal of Chemical and Engineering Data.* 56: 3406-3410. <http://dx.doi.org/10.1021/je200396x>.
- Koca, M; Kurt, A; Kirilmis, C; Aydogdu, Y. (2012). Synthesis, characterization, and thermal degradation of novel poly(2-(5-bromo benzofuran-2-yl)-2-oxoethyl methacrylate). *Polymer Engineering and Science.* 52: 323-330. <http://dx.doi.org/10.1002/pen.22085>.

Exposure Literature Search Results

Off Topic

- Kohmoto, S; Chuko, T; Hisamatsu, S; Okuda, Y; Masu, H; Takahashi, M; Kishikawa, K. (2015). Piezoluminescence and Liquid Crystallinity of 4,4'-(9,10-Anthracenediyl)bispyridinium Salts. *Cryst Growth Des.* 15: 2723-2731. <http://dx.doi.org/10.1021/acs.cgd.5b00028>.
- Koissi, N; Shah, NH; Ginevan, B; Eck, WS; Roebuck, BD; Fishbein, JC. (2012). Lactone metabolite common to the carcinogens dioxane, diethylene glycol, and N-nitrosomorpholine: aqueous chemistry and failure to mediate liver carcinogenesis in the F344 rat. *Chem Res Toxicol.* 25: 1022-1028. <http://dx.doi.org/10.1021/tx3000076>.
- Komatsu, H; Yamamoto, H. (1996). Vapor-liquid equilibrium data for two ternary systems of ethanol-water-dioxane and ethyl acetate-water-dioxane at atmospheric pressure. *Kagaku Kogaku Ronbunshu.* 22: 378-384.
- Kondo, T; Ohshita, T; Kyuma, T. (1992). COMPARISON OF CHARACTERISTICS OF SOLUBLE LIGNINS FROM UNTREATED AND AMMONIA-TREATED WHEAT STRAW. *Anim Feed Sci Technol.* 39: 253-263.
- Kondo, T; Ohshita, T; Kyuma, T. (1993). CHARACTERISTICS OF DIOXANE-SOLUBLE LIGNINS FROM CORN AND SORGHUM SILAGES AND FECES OF SHEEP FED ON THEM. *Canadian Journal of Animal Science.* 73: 661-664.
- Kondo, T; Ohshita, T; Kyuma, T. (1993). ISOLATION AND CHARACTERIZATION OF DIOXANE-SOLUBLE LIGNINS FROM FECES OF SHEEP FED ON ORCHARDGRASS HAY AND SILAGE. *Anim Feed Sci Technol.* 41: 213-221.
- Kondo, T; Ohshita, T; Kyuma, T. (1994). COMPARISON OF PHENOLIC-ACIDS IN LIGNIN FRACTIONS FROM FORAGE GRASSES BEFORE AND AFTER DIGESTION BY SHEEP. *Anim Feed Sci Technol.* 47: 277-285.
- Kondo, T; Ohshita, T; Kyuma, T. (1994). RELEASE OF SOLUBLE LIGNIN FRAGMENTS FROM ORCHARDGRASS DURING ITS PASSAGE THROUGH THE RUMEN. *J Sci Food Agric.* 65: 429-431.
- Kondo, T; Ohshita, T; Kyuma, T. (1997). Structural changes of forage grass lignin by rumen digestion: Characteristics of soluble lignin released from timothy (*Phleum pratense* L) by in vitro rumen digestion. *JARQ.* 31: 49-53.
- Kondo, T; Ohshita, T; Kyuma, T; Touno, E; Murai, M. (1999). Characterization of soluble lignin released from alfalfa by sheep digestion. *Anim Feed Sci Technol.* 80: 321-328.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1995). COMPARATIVE CHARACTERIZATION OF DIOXANE-SOLUBLE LIGNINS RELEASED BY BALL-MILLING AND BY SHEEP DIGESTION FROM FORAGE GRASSES. *J Sci Food Agric.* 68: 383-388.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1998). Physico-chemical characteristics of soluble lignin fractions released from forage grasses by ruminant digestion. *JARQ.* 32: 187-195.
- Kong, XX; Tang, BZ. (1998). Synthesis and novel mesomorphic properties of the side-chain liquid crystalline polyacetylenes containing phenyl benzoate mesogens with cyano and methoxy tails. *Chem Mater.* 10: 3352-3363.
- Kooli, F. (2002). Recrystallization of a new layered silicate from Na-kanemite-tetramethylammonium hydroxide-water-1,4-dioxane mixture. *J Mater Chem.* 12: 1374-1380. <http://dx.doi.org/10.1039/b107252h>.
- Kooli, F; Kiyozumi, Y; Mizukami, F. (2003). Effect of alkali cations on the conversion of H-magadiite in tetramethylammonium hydroxide-water-1,4-dioxane system. *Mater Chem Phys.* 77: 134-140.
- Kooli, F; Mizukami, F; Kiyozumi, Y; Akiyama, Y. (2001). Hydrothermal conversion of Na-magadiite to a new silicate layered structure in a TMAOH-water-1,4-dioxane system. *J Mater Chem.* 11: 1946-1950.
- Kopylev, L; Fox, J; Chen, C. (2009). Combining risks from several tumors using Markov Chain Monte Carlo. In *RM Cooke (Ed.)*, (1 ed., pp. 197-205). Hoboken, NJ: John Wiley & Sons.
- Koriakin, A; Van Nguyen, H, ai; Kim, D, ooW; Lee, CH, a. (2014). Direct thermochemical liquefaction of microcrystalline cellulose by sub- and supercritical organic solvents. *Journal of Supercritical Fluids.* 95: 175-186. <http://dx.doi.org/10.1016/j.supflu.2014.08.017>.
- Korlyukov, AA; Vologzhanina, AV; Buzin, MI; Sergienko, NV; Zavin, BG; Muzafarov, AM. (2016). Cu(II)-Silsesquioxanes as Secondary Building Units for Construction of Coordination Polymers: A Case Study of Cesium-Containing Compounds. *Cryst Growth Des.* 16: 1968-1977. <http://dx.doi.org/10.1021/acs.cgd.5b01554>.
- Korovchenko, P; Donze, C; Gallezot, P; Besson, M. (2007). Oxidation of primary alcohols with air on carbon-supported platinum catalysts for the synthesis of aldehydes or acids. *Catalysis Today.* 121: 13-21. <http://dx.doi.org/10.1016/j.cattod.2006.11.007>.
- Kosaka, K; Yamada, H; Matsui, S; Shishida, K. (2000). The effects of the co-existing compounds on the decomposition of micropollutants using the ozone/hydrogen peroxide process. *Water Sci Technol.* 42: 353-361.
- Kosikova, B. (1999). Structural changes of lignin during steaming of beechwood pretreated with Na₂S₂O₄. 44: 19-27.
- Kosikova, B. (2009). MORPHOLOGICAL AND CHEMICAL CHARACTERISTICS OF STEM AND KNOT POPLAR WOOD. 54: 117-122.
- Kosikova, B; Bucko, J. (1996). Behaviour of lignin-polysaccharide complex of beechwood upon vacuum drying process. 41: 31-40.
- Kosikova, B; Ebringerova, A. (1994). BEHAVIOR OF THE LIGNIN POLYSACCHARIDE COMPLEX OF PINE WOOD IN SODA-OXYGEN PULPING. *Appita.* 47: 327-329.
- Kosikova, B; Ebringerova, A. (1994). LIGNIN-CARBOHYDRATE BONDS IN A RESIDUAL SODA SPRUCE PULP LIGNIN. *Wood Science and Technology.* 28: 291-296.
- Kosikova, B; Ebringerova, A. (1999). Structural characteristics of the lignin-carbohydrate complex of spruce soda pulp. *Cellulose Chemistry and Technology.* 33: 445-454.
- Kosikova, B; Ebringerova, A; Naran, R. (1999). Characterization of lignin-carbohydrate fractions isolated from the wood parasite *Cistanche deserticola* Y. C. Ma. *Holzforschung.* 53: 33-38.
- Kosikova, B; Sasinkova, V; Tolvaj, L; Papp, G; Sztatmari, S; Nagy, T. (2001). Effect of UV-laser irradiation on structural changes of maplewood lignin-polysaccharide complex. 46: 11-18.
- Kosmulski, M; Matijevic, E. (1991). MICROELECTROPHORESIS OF SILICA IN MIXED-SOLVENTS OF LOW DIELECTRIC-CONSTANT. *Langmuir.* 7: 2066-2071.

Exposure Literature Search Results

Off Topic

- Kostoryz, EL; Tong, PY; Chappelow, CC; Glaros, AG; Eick, JD; Yourtee, DM. (2000). In vitro toxicity of spiroorthocarbonate monomers designed for non-shrinking dental restoratives. *J Biomater Sci Polym Ed.* 11: 187-196. <http://dx.doi.org/10.1163/156856200743643>.
- Kostoryz, EL; Wetmore, LA; Brockmann, WG; Yourtee, DM; Eick, JD. (2004). Genotoxicity assessment of oxirane-based dental monomers in mammalian cells. *J Biomed Mater Res A.* 68: 660-667. <http://dx.doi.org/10.1002/jbm.a.20077>.
- Kouissi, T; Bouanz, M. (2010). Density and refractive index measurements of critical mixture 1,4-dioxane + water plus saturated KCl in homogenous phase region. *Fluid Phase Equilibria.* 293: 79-86. <http://dx.doi.org/10.1016/j.fluid.2010.02.018>.
- Kouissi, T; Bouanz, M. (2010). Transport Properties in 1,4-Dioxane + Water plus Saturated KCl Critical Mixture by Measuring Viscosity and Electrical Conductivity. *Journal of Chemical and Engineering Data.* 55: 320-326. <http://dx.doi.org/10.1021/je900351t>.
- Kouissi, T; Bouanz, M; Ouerfelli, N. (2009). KCl-Induced Phase Separation of 1,4-Dioxane + Water Mixtures Studied by Electrical Conductivity and Refractive Index. *Journal of Chemical and Engineering Data.* 54: 566-573. <http://dx.doi.org/10.1021/je8005002>.
- Kouissi, T; Toumi, A; Bouanz, M. (2015). Density, Speed of Sound, and Refractive Index Measurements for the Binary Mixture (1, 4-Dioxane + Isobutyric Acid) at T = (295.15, 298.15, 301.15, 304.15, 307.15, 310.15, and 313.15) K. *Journal of Chemical and Engineering Data.* 60: 1975-1985. <http://dx.doi.org/10.1021/je5010643>.
- Koutu, BB; Sharma, RK. (1996). Synthesis of a flame-retardant dope additive dithiopyrophosphate and its effect on viscose rayon fibres. *Indian Journal of Fibre & Textile Research.* 21: 140-142.
- Kramarz, KW; Klingler, RJ; Fremgen, DE; Rathke, JW. (1999). Toroid NMR probes for the in situ examination of homogeneous cobalt hydroformylation catalysts at high pressures and temperatures. *Catalysis Today.* 49: 339-352.
- Krewski, D; Withey, JR; Ku, LF; Andersen, ME. (1994). Applications of physiologic pharmacokinetic modeling in carcinogenic risk assessment [Review]. *Environ Health Perspect.* 102: 37-50.
- Kricsfalussy, Z. (1983). EXPERIMENTAL STUDIES ON THE REACTION-KINETICS OF THE CATALYTIC CLEAVAGE OF 4,4-DIMETHYL-1,3-DIOXANE TO GIVE ISOPRENE IN THE GAS-PHASE. *Chem Ing Tech.* 55: 965-967.
- Krishnaiah, A; Surendranath, KN. (1996). Densities, speeds of sound, and viscosities of mixtures of oxolane with chloroethanes and chloroethenes. *Journal of Chemical and Engineering Data.* 41: 1012-1014.
- Krishnaiah, A; Surendranath, KN; Viswanath, DS. (1994). EXCESS VOLUMES AND VISCOSITIES OF 1,4-DIOXANE PLUS CHLORINATED ETHANES OR PLUS CHLORINATED ETHENES AT 303.15-K. *Journal of Chemical and Engineering Data.* 39: 756-758.
- Krishnan, K; G, J. (2005). Physiologically-based pharmacokinetic and toxicokinetic models in cancer risk assessment [Review]. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 23: 31 - 53. <http://dx.doi.org/10.1081/GNC-200051856>.
- Kroeger, A; Li, X; Eisenberg, A. (2007). Dendrimer-influenced supramolecular structure formation of block copolymers. *Langmuir.* 23: 10732-10740. <http://dx.doi.org/10.1021/la701334r>.
- Kron, TE; Petrov, ES. (2003). Hydrocarbobotoxylation of heptene-1 catalyzed by a Pd(0) complex in the presence of methanesulfonic acid. *Petroleum Chemistry.* 43: 375-378.
- Kruihof, JC; Kamp, PC; Martijn, BJ. (2007). UV/H₂O₂ treatment: A practical solution for organic contaminant control and primary disinfection. *Ozone: Science and Engineering.* 29: 273-280. <http://dx.doi.org/10.1080/01919510701459311>.
- Krzymien, ME. (1993). SOLUBILITY OF 2,3-DIMETHYL-2,3-DINITROBUTANE. *Journal of Chemical and Engineering Data.* 38: 326-327.
- Kuila, SB; Ray, SK. (2012). Sorption and permeation studies of tetrahydrofuran-water mixtures using full interpenetrating network membranes. *Separation and Purification Technology.* 89: 39-50. <http://dx.doi.org/10.1016/j.seppur.2012.01.005>.
- Kukkar, D; Kaur, I; Singh, J; Bharadwaj, LM. (2015). Plasticizers Induced Formation of Microcapsules From Freeze Dried Polystyrene Microreactors. *Int J Polym Mater.* 64: 385-391. <http://dx.doi.org/10.1080/00914037.2014.958825>.
- Kumar, A; Prabhune, A; Suresh, CG; Pundle, A. (2008). Characterization of smallest active monomeric penicillin V acylase from new source: A yeast, *Rhodotorula aurantiaca* (NCIM 3425). *Process Biochemistry.* 43: 961-967. <http://dx.doi.org/10.1016/j.procbio.2008.04.024>.
- Kumar, MD; Kumar, PA; Rajendran, M. (2003). Salt effect on the enthalpy of mixing of 1,4-dioxane plus acetic acid at 303.15 K. *Journal of Chemical and Engineering Data.* 48: 1422-1424. <http://dx.doi.org/10.1021/je025654x>.
- Kumar, P; Kadam, MM; Gaikar, VG. (2012). Low Molecular Weight Organogels and Their Application in the Synthesis of CdS Nanoparticles. *Ind Eng Chem Res.* 51: 15374-15385. <http://dx.doi.org/10.1021/ie300947x>.
- Kumar, S; Sharma, VK; Moon, I, I. (2010). Speed of Sound and Excess Isentropic Compressibility of 1,3-Dioxolane or 1,4-Dioxane + Butan-1-ol or + Butan-2-ol Binary Mixtures at 308.15 K and Atmospheric Pressure. *Ind Eng Chem Res.* 49: 8365-8368. <http://dx.doi.org/10.1021/ie101286f>.
- Kuo, CY, in; Su, SL; Tsai, H, uiAn; Su, Y, uS; Wang, D, aM; Lai, JY, ih. (2008). Formation and evolution of a bicontinuous structure of PMMA membrane during wet immersion process. *J Memb Sci.* 315: 187-194. <http://dx.doi.org/10.1016/j.memsci.2008.02.034>.
- Kuo, P, eiYu; Barros, L, deA; Sain, M; Tjong, JSY; Yan, N. (2016). Effects of Reaction Parameters on the Glycidyl Etherification of Bark Extractives during Bioepoxy Resin Synthesis. 4: 1016-1024. <http://dx.doi.org/10.1021/acssuschemeng.5b01098>.
- Kuo, PC; Chen, L, iJen; Lin, ST, ai; Chen, Y, anP. (2010). Measurements for the Dissociation Conditions of Methane Hydrate in the Presence of 2-Methyl-2-propanol. *Journal of Chemical and Engineering Data.* 55: 5036-5039. <http://dx.doi.org/10.1021/je100620j>.
- Kupczewska-Dobecka, M; Czerczak, S; Jakubowski, M; Maciaszek, P; Janasik, B. (2010). [Application of predictive model to estimate concentrations of chemical substances in the work environment]. *Med Pr.* 61: 307-314.
- Kuroda, K; Ozawa, T; Ueno, T. (2001). Characterization of sago palm (*Metroxylon sagu*) lignin by analytical pyrolysis. *J Agric Food Chem.* 49: 1840-1847. <http://dx.doi.org/10.1021/jf001126i>.
- Kuroda, K; Suzuki, A. (1995). ANALYSIS OF CINNAMIC-ACIDS IN RICE (*ORYZA-SATIVA*) BY SIMULTANEOUS PYROLYSIS METHYLATION GAS-CHROMATOGRAPHY. 41: 851-857.

Exposure Literature Search Results

Off Topic

- Kuroda, K; Yamaguchi, A; Sakai, K. (1994). ANALYSIS OF SUGI WOOD AND ITS LIGNIN PREPARATIONS BY PYROLYSIS-GAS CHROMATOGRAPHY. 40: 987-995.
- Kurzin, AV; Evdokimov, AN; Antipina, VB; Pavlova, OS; Gusev, VE. (2008). Vapor pressures for 1,4-dioxane plus tetrabutylammonium nitrate, water plus tetrabutylammonium nitrate, and 1,4-dioxane plus water plus tetrabutylammonium nitrate. *Journal of Chemical and Engineering Data*. 53: 207-210. <http://dx.doi.org/10.1021/je700512a>.
- Kurzin, AV; Evdokimov, AN; Poltoratskiy, GM; Platonov, AY; Gusev, VE; Golubeva, YM. (2004). Isothermal vapor-liquid equilibrium data for the systems 1,4-dioxane plus water plus tetrabutylammonium nitrate and acetonitrile plus water plus tetrabutylammonium bromide. *Journal of Chemical and Engineering Data*. 49: 208-211. <http://dx.doi.org/10.1021/je0301287>.
- Kushare, SK; Kolhapurkar, RR; Dagade, DH; Patil, KJ. (2006). Compressibility studies of binary solutions involving water as a solute in nonaqueous solvents at T = 298.15 K. *Journal of Chemical and Engineering Data*. 51: 1617-1623. <http://dx.doi.org/10.1021/je0601098>.
- Kuznetsov, BN; Kuznetsova, SA; Levdansky, VA; Levdansky, AV; Vasil'eva, NY, u; Chesnokov, NV; Ivanchenko, NM; Djakovitch, L; Pinel, C. (2015). Optimized methods for obtaining cellulose and cellulose sulfates from birch wood. *Wood Science and Technology*. 49: 825-843. <http://dx.doi.org/10.1007/s00226-015-0723-y>.
- Kwon, SC; Kim, J, ooY; Yoon, SM, in; Bae, W; Kang, KS; Rhee, YW, oo. (2012). Treatment characteristic of 1,4-dioxane by ozone-based advanced oxidation processes. *J Ind Eng Chem*. 18: 1951-1955. <http://dx.doi.org/10.1016/j.jiec.2012.05.010>.
- La Carrubba, V; Pavia, FC; Brucato, V; Piccarolo, S. (2008). PLLA/PLA scaffolds prepared via Thermally Induced Phase Separation (TIPS): tuning of properties and biodegradability. *International Journal of Material Forming*. 1: 619-622. <http://dx.doi.org/10.1007/s12289-008-0332-5>.
- La Carrubba, V; Pavia, FC; Brucato, V; Piccarolo, S; Ghersi, G. (2008). PLLA biodegradable scaffolds for angiogenesis via Diffusion Induced Phase Separation (DIPS). *International Journal of Material Forming*. 1: 623-626. <http://dx.doi.org/10.1007/s12289-008-0333-4>.
- Lahtinen, M; Haikarainen, A; Sipila, J. (2013). Convenient preparation of a beta-O-4-type lignin model trimer via KOH-catalyzed hydroxymethylation and a new protection method. *Holzforschung*. 67: 129-136. <http://dx.doi.org/10.1515/hf-2012-0016>.
- Lai, Q; Wang, YZ; Yang, KK; Wang, XL; Zeng, Q. (2005). Chain-extension and thermal behaviors of poly(p-dioxanone) with toluene-2,4-diisocyanate. *React Funct Polym*. 65: 309-315. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.07.003>.
- Lakouraj, MM; Noorian, M; Mokhtary, M. (2006). Amberlyst 15 supported nitrosonium ion as an efficient reagent for regeneration of carbonyl compounds from oximes, hydrazones and semicarbazones. *React Funct Polym*. 66: 910-915. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.12.002>.
- Lam, JWY; Dong, YP; Luo, JD; Cheuk, KKL; Xie, ZL; Tang, BZ. (2002). Synthesis and photoluminescence of liquid crystalline poly(1-alkynes). *Thin Solid Films*. 417: 143-146.
- Lam, WM; Wong, CT; Li, ZY; Luk, KDK; Chan, WK; Yang, C; Chiu, KY; Xu, B; Lu, WW. (2007). Solvothermal synthesis of strontium phosphate chloride nanowire. *J Cryst Growth*. 306: 129-134. <http://dx.doi.org/10.1016/j.jcrysgro.2007.04.050>.
- Lancefield, CS; Rashid, GMM; Bouxin, F; Wasak, A; Tu, W, eiC; Hallett, J; Zein, S; Rodriguez, J; Jackson, SD; Westwood, NJ; Bugg, TDH. (2016). Investigation of the Chemocatalytic and Biocatalytic Valorization of a Range of Different Lignin Preparations: The Importance of beta-O-4 Content. 4: 6921-6930. <http://dx.doi.org/10.1021/acssuschemeng.6b011355>.
- Lanzi, M; Bizzarri, PC; Dellacasa, C. (1997). Solvatochromic properties of poly[3-(6-methoxyhexyl)-2,5-thienylene] in different solvent mixtures. *Synthetic Metals*. 89: 181-186.
- Larichev, Y, uV; Nartova, AV; Martyanov, ON. (2016). The influence of different organic solvents on the size and shape of asphaltene aggregates studied via small-angle X-ray scattering and scanning tunneling microscopy. *AST*. 34: 244-257. <http://dx.doi.org/10.1177/0263617415623440>.
- Larobina, D; Guarino, V; Ambrosio, L. (2012). Modeling of phase separation mechanism in polycaprolactone/dioxane binary systems. 10: 237-242. <http://dx.doi.org/10.5301/JABFM.2012.10363>.
- Laronze, N; Marchal-Roch, C; Guillou, N; Liu, FX; Herve, G. (2003). Solid-state chemistry of ammonium and cesium 1-vanado-11-molybdophosphate and ammonium 12-molybdosilicate: application to oxidation catalysis. *J Catal*. 220: 172-181. [http://dx.doi.org/10.1016/S0021-9517\(03\)00242-2](http://dx.doi.org/10.1016/S0021-9517(03)00242-2).
- Lawther, JM; Sun, RC; Banks, WB. (1996). Extraction and comparative characterization of ball-milled lignin (LM), enzyme lignin (LE) and alkali lignin (LA) from wheat straw. *Cellulose Chemistry and Technology*. 30: 395-410.
- Lazzaroni, MJ; Bush, D; Jones, R; Hallett, JP; Liotta, CL; Eckert, CA. (2004). High-pressure phase equilibria of some carbon dioxide-organic-water systems. *Fluid Phase Equilibria*. 224: 143-154. <http://dx.doi.org/10.1016/j.fluid.2004.06.061>.
- Leaist, DG; Macewan, K; Stefan, A; Zamari, M. (2000). Binary mutual diffusion coefficients of aqueous cyclic ethers at 25 degrees C. Tetrahydrofuran, 1,3-dioxolane, 1,4-dioxane, 1,3-dioxane, tetrahydropyran, and trioxane. *Journal of Chemical and Engineering Data*. 45: 815-818.
- Leclercbattin, F; Marquaire, PM; Come, GM; Baronnet, F. (1991). AUTOIGNITIONS OF GAS-PHASE MIXTURES OF 1,4-DIOXANE AND CHLORINE. *J Loss Prev Process Indust*. 4: 170-175.
- Lee, AL; Venkataraman, S; Sirat, SB; Gao, S; Hedrick, JL; Yang, YY. (2012). The use of cholesterol-containing biodegradable block copolymers to exploit hydrophobic interactions for the delivery of anticancer drugs. *Biomaterials*. 33: 1921-1928. <http://dx.doi.org/10.1016/j.biomaterials.2011.11.032>.
- Lee, B, oRam; Sa, JH; Park, D, aHye; Cho, S; Lee, J; Kim, H, yeJin; Oh, E; Jeon, S; Lee, J, uD; Lee, K, unH. (2012). "Continuous" Method for the Fast Screening of Thermodynamic Promoters of Gas Hydrates Using a Quartz Crystal Microbalance. *Energy Fuels*. 26: 767-772. <http://dx.doi.org/10.1021/ef201414u>.

Exposure Literature Search Results

Off Topic

- Lee, CS; Le Thanh, T; Kim, EJ; Gong, J; Chang, YY; Chang, YS. (2014). Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. *Bioresour Technol.* 171: 59-65. <http://dx.doi.org/10.1016/j.biortech.2014.08.039>.
- Lee, IS; Sim, WJ; Kim, CW; Chang, YS; Oh, JE. (2011). Characteristic occurrence patterns of micropollutants and their removal efficiencies in industrial wastewater treatment plants. *J Environ Monit.* 13: 391-397. <http://dx.doi.org/10.1039/c0em00130a>.
- Lee, J, aeHo; Park, JJ, in; Byun, I, mGyu; Park, T, aeJoo; Lee, T, aeHo. (2014). Anaerobic digestion of organic wastewater from chemical fiber manufacturing plant: Lab and pilot-scale experiments. *J Ind Eng Chem.* 20: 1732-1736. <http://dx.doi.org/10.1016/j.jiec.2013.08.024>.
- Lee, JY; Choi, M, inHee; Moon, D, ooK; Haw, JR, im. (2010). Synthesis of fluorene- and anthracene-based pi-conjugated polymers and dependence of emission range and luminous efficiency on molecular weight. *J Ind Eng Chem.* 16: 395-400. <http://dx.doi.org/10.1016/j.jiec.2009.08.003>.
- Lee, K, iC; Choo, KH, o. (2013). Hybridization of TiO₂ photocatalysis with coagulation and flocculation for 1,4-dioxane removal in drinking water treatment. *Chem Eng J.* 231: 227-235. <http://dx.doi.org/10.1016/j.cej.2013.07.023>.
- Lee, K, iC; Choo, KH, o. (2014). Optimization of flocculation conditions for the separation of TiO₂ particles in coagulation-photocatalysis hybrid water treatment. *Chemical Engineering and Processing: Process Intensification.* 78: 11-16. <http://dx.doi.org/10.1016/j.cep.2014.01.010>.
- Lee, KC; Beak, HJ; Choo, KH. (2015). Membrane photoreactor treatment of 1,4-dioxane-containing textile wastewater effluent: Performance, modeling, and fouling control. *Water Res.* 86: 58-65. <http://dx.doi.org/10.1016/j.watres.2015.05.017>.
- Lee, LS; Rao, PSC. (1996). Impact of several water-miscible organic solvents on sorption of benzoic acid by soil. *Environ Sci Technol.* 30: 1533-1539.
- Lee, SY; Kim, JC; Lee, JS; Kim, YG. (1993). CARBONYLATION OF FORMALDEHYDE OVER ION-EXCHANGE RESIN CATALYSTS .1. BATCH REACTOR STUDIES. *Ind Eng Chem Res.* 32: 253-259.
- Lee, Y; Lee, S; Jin, YK; Seo, Y. (2014). 1-Propanol as a co-guest of gas hydrates and its potential role in gas storage and CO₂ sequestration. *Chem Eng J.* 258: 427-432. <http://dx.doi.org/10.1016/j.cej.2014.07.110>.
- Lee, YT; Iwamoto, K; Sekimoto, H; Seno, M. (1989). PERVAPORATION OF WATER DIOXANE MIXTURES WITH POLY(DIMETHYLSILOXANE-CO-SILOXANE) MEMBRANES PREPARED BY A SOL-GEL PROCESS. *J Memb Sci.* 42: 169-182.
- Lei, Y; Sun, JZ; Wang, M; Xu, RS. (2003). Single-layered organic photoreceptors based on chlorodiane blue/TiOPc/BAH three component composites - I. Device fabrication and photoconductivity. *Mater Chem Phys.* 78: 852-857.
- Leiva, MA; Greenberg, JP; Knobler, CM. (1979). VOLUME CHANGES ON MIXING 1,4-DIOXANE WITH CYCLOPENTANE, PENTANE, AND 2-METHYLBUTANE. *Journal of Chemical and Engineering Data.* 24: 208-210.
- Lemmer, H; Stieger, N; Liebenberg, W; Caira, MR. (2012). Solvatomorphism of the Antibacterial Dapsone: X-ray Structures and Thermal Desolvation Kinetics. *Cryst Growth Des.* 12: 1683-1692. <http://dx.doi.org/10.1021/cg300019f>.
- Leonteva, LB; Tselinskii, IV; Boichinova, VS; Manevskaya, RS; Gritsai, SI. (1994). PAPER-CHROMATOGRAPHIC DETERMINATION OF CD, CU(II), AND PB TRACE AMOUNTS. *Industrial Laboratory.* 60: 328-329.
- Lepori, L; Matteoli, E; Gianni, P. (2017). Vapor Pressure and Its Temperature Dependence of 28 Organic Compounds: Cyclic Amines, Cyclic Ethers, and Cyclic and Open Chain Secondary Alcohols. *Journal of Chemical and Engineering Data.* 62: 194-203. <http://dx.doi.org/10.1021/acs.jced.6b00576>.
- Lepori, L; Matteoli, E; Tine, MR. (1993). ISOTHERMAL VAPOR-LIQUID-EQUILIBRIA OF MIXTURES OF ORGANIC-COMPOUNDS .8. EXCESS GIBBS ENERGIES OF TETRACHLOROMETHANE PLUS CYCLIC OXAALKANE MIXTURES AT 298.15-K. *Fluid Phase Equilibria.* 87: 177-188.
- Lerari, D. (2015). Synthesis and Characterization of New Copolymer Based Cinnamyl Methacrylate Monomer: Determination of Monomer Reactivity Ratio and Statistical Sequence. *Mater Res.* 18: 1008-1014. <http://dx.doi.org/10.1590/1516-1439.012015>.
- Lessard, B; Aumand-Bourque, C; Chaudury, R; Gomez, D; Haroon, A; Ibrahimian, N; Mackay, S; Noel, MC; Patel, R; Sitaram, S; Valla, S; White, B; Maric, M. (2011). Poly(ethylene-co-butylene)-b-(styrene-ran-maleic anhydride)(2) Compatibilizers via Nitroxide Mediated Radical Polymerization. *International Polymer Processing.* 26: 197-204. <http://dx.doi.org/10.3139/217.2425>.
- Letcher, TM; Gondon, A. (1996). Excess molar enthalpies of (butylamine plus an ether) at 298.15 K. *Journal of Chemical and Engineering Data.* 41: 629-633.
- Letcher, TM; Govender, PU; Domanska, U. (1999). Excess molar enthalpies and volumes of diethylamine or dipropylamine plus an ether at 298.15 K. *Journal of Chemical and Engineering Data.* 44: 274-285.
- Letcher, TM; Govender, UP. (1995). EXCESS MOLAR ENTHALPIES OF AN ALKANOL PLUS A CYCLIC ETHER AT 298.15 K. *Journal of Chemical and Engineering Data.* 40: 1097-1100.
- Lewandowski, TA; Rhomberg, LR. (2005). A proposed methodology for selecting a trichloroethylene inhalation unit risk value for use in risk assessment [Review]. *Regul Toxicol Pharmacol.* 41: 39-54. <http://dx.doi.org/10.1016/j.yrtph.2004.09.003>.
- Lewis, RJ, Sr. (2000). *Sax's Dangerous Properties of Industrial Materials* (10 ed.). New York, NY: John Wiley & Sons, Inc.
- Li, B; Zhu, J. (2016). Simultaneous degradation of 1,1,1-trichloroethane and solvent stabilizer 1,4-dioxane by a sono-activated persulfate process. *Chem Eng J.* 284: 750-763. <http://dx.doi.org/10.1016/j.cej.2015.08.153>.
- Li, BB; Li, RP; Yan, WD. (2011). Solubilities of Phloretin in 12 Solvents at Different Temperatures. *Journal of Chemical and Engineering Data.* 56: 1459-1462. <http://dx.doi.org/10.1021/je101168w>.
- Li, H, ao; Deng, Y; Wu, H; Ren, Y; Qiu, X; Zheng, D; Li, C. (2016). Self-assembly of kraft lignin into nanospheres in dioxane-water mixtures. *Holzforchung.* 70: 725-731. <http://dx.doi.org/10.1515/hf-2015-0238>.
- Li, H, ua; Hu, G; Guo, F; Zhao, L, ei; Zhu, J; Zhang, Y. (2010). MEASUREMENT AND CORRELATION FOR SOLUBILITY OF THIOUREA IN DIFFERENT SOLVENTS. *Can J Chem Eng.* 88: 161-164. <http://dx.doi.org/10.1002/cjce.20261>.

Exposure Literature Search Results

Off Topic

- Li, H, ua; Wang, H; Zhao, L, ei. (2011). Measurement and Correlation for Solubility of 11 alpha-Hydroxy-16 alpha,17 alpha-epoxyprogesterone and 16 alpha,17 alpha-Epoxyprogesterone in Solvents. *Journal of Chemical and Engineering Data*. 56: 1134-1138. <http://dx.doi.org/10.1021/je101072d>.
- Li, H, ui; Yuan, X; Zeng, G; Tong, J; Yan, Y, an; Cao, H; Wang, L; Cheng, M; Zhang, J; Yang, D, an. (2009). Liquefaction of rice straw in sub- and supercritical 1,4-dioxane-water mixture. *Fuel Process Tech*. 90: 657-663. <http://dx.doi.org/10.1016/j.fuproc.2008.12.003>.
- Li, J; Li, Y, i; Li, L, in; Mak, AFT; Ko, F; Qin, L. (2009). Fabrication and degradation of poly(L-lactic acid) scaffolds with wool keratin. *Composites Part B: Engineering*. 40: 664-667. <http://dx.doi.org/10.1016/j.compositesb.2009.04.012>.
- Li, M; Conlon, P; Fiorenza, S; Vitale, RJ; Alvarez, PJJ. (2011). Rapid Analysis of 1,4-Dioxane in Groundwater by Frozen Micro-Extraction with Gas Chromatography/Mass Spectrometry. *Ground Water Monitoring and Remediation*. 31: 70-76. <http://dx.doi.org/10.1111/j.1745-6592.2011.01350.x>.
- Li, M; Fan, YM; Xu, F; Sun, R; Zhang, X. (2010). Cold sodium hydroxide/urea based pretreatment of bamboo for bioethanol production: Characterization of the cellulose rich fraction. *Ind Crop Prod*. 32: 551-559. <http://dx.doi.org/10.1016/j.indcrop.2010.07.004>.
- Li, M; Fiorenza, S; Chatham, JR; Mahendra, S; Alvarez, PJJ. (2010). 1,4-Dioxane biodegradation at low temperatures in Arctic groundwater samples. *Water Res*. 44: 2894-2900. <http://dx.doi.org/10.1016/j.watres.2010.02.007>.
- Li, M; Mathieu, J; Liu, Y; Van Orden, ET; Yang, Y, u; Fiorenza, S; Alvarez, PJJ. (2014). The Abundance of Tetrahydrofuran/Dioxane Monooxygenase Genes (thmA/dxmA) and 1,4-Dioxane Degradation Activity Are Significantly Correlated at Various Impacted Aquifers. *Environ Sci Technol Lett*. 1: 122-127. <http://dx.doi.org/10.1021/ez400176h>.
- Li, M; Sun, SN, i; Xu, F; Sun, R. (2012). Sequential solvent fractionation of heterogeneous bamboo organosolv lignin for value-added application. *Separation and Purification Technology*. 101: 18-25. <http://dx.doi.org/10.1016/j.seppur.2012.09.013>.
- Li, MF, ei; Fan, YM; Sun, R, unC; Xu, F. (2010). CHARACTERIZATION OF EXTRACTED LIGNIN OF BAMBOO (NEOSINOCALAMUS AFFINIS) PRETREATED WITH SODIUM HYDROXIDE/UREA SOLUTION AT LOW TEMPERATURE. *BioResources*. 5: 1762-1778.
- Li, MX; Zhuo, RX; Qu, FQ. (2003). Study on the preparation of novel functional poly(dioxanone) and for the controlled release of protein. *React Funct Polym*. 55: 185-195. [http://dx.doi.org/10.1016/S1381-5148\(02\)00246-8](http://dx.doi.org/10.1016/S1381-5148(02)00246-8).
- Li, Q, in; Yu, P; Zhu, T; Zhang, L, ei; Li, Q; Luo, Y. (2010). Pervaporation performance of crosslinked PVA and chitosan membranes for dehydration of caprolactam solution. *Desalination and Water Treatment*. 16: 304-312. <http://dx.doi.org/10.5004/dwt.2010.1568>.
- Li, QS; Su, MG; Wang, S. (2007). Solubility of 2-(4-ethylbenzoyl)benzoic acid in eleven organic solvents between 279.55 K and 343.15 K. *Journal of Chemical and Engineering Data*. 52: 2477-2479. <http://dx.doi.org/10.1021/je700426k>.
- Li, R; Li, B; Jiang, H; Yang, J; He, B; You, Y; Zhao, J, ia. (2013). Solid-liquid equilibrium (SLE) of ternary system 3-nitrophthalic acid+4-nitrophthalic acid+1,4-dioxane at (283.15, 293.15, 303.15, 313.15 and 323.15)K. *Fluid Phase Equilibria*. 348: 17-22. <http://dx.doi.org/10.1016/j.fluid.2013.03.021>.
- Li, S; Lundquist, K. (1999). Acid reactions of lignin models of beta-5 type. *Holzforschung*. 53: 39-42.
- Li, S; Lundquist, K; Stenhagen, G. (1996). Studies on the formation of 1-(4-hydroxy-3,5-dimethoxyphenyl)-2-(4-hydroxy-3-methoxyphenyl)-1-propanone and 2-(4-hydroxy-3,5-dimethoxyphenyl)-1-(4-hydroxy-3-methoxyphenyl)-1-propanone on acid treatment of birch lignin. *Holzforschung*. 50: 253-257.
- Li, T; Li, C. (2013). Quantitative and stereospecific dihydroxylations of $\delta(5)$ -steroids: a green synthesis of plant growth hormone intermediates. *J Agric Food Chem*. 61: 12522-12530. <http://dx.doi.org/10.1021/jf404633y>.
- Li, X; Kroeger, A; Azzam, T; Eisenberg, A. (2008). Dendrimer influenced supramolecular structure formation of block copolymers: II. Dendrimer concentration dependence. *Langmuir*. 24: 2705-2711. <http://dx.doi.org/10.1021/la702614x>.
- Li, Y, iD; Chen, S, iC; Zeng, JB; Wang, Y, uZ. (2008). Novel Biodegradable Poly(1,4-dioxan-2-one) Grafted Soy Protein Copolymer: Synthesis and Characterization. *Ind Eng Chem Res*. 47: 8233-8238. <http://dx.doi.org/10.1021/ie800994s>.
- Li, Y, aNan; Huo, L, iHua; Deng, ZP; Zou, X, in; Zhu, Z, hiB; Zhao, H, ui; Gao, S. (2014). Solvent Effect on the Supramolecular Patterns and Luminescent Properties of Organic Salts Comprising Naphthalene-1,5-disulfonic Acid and Triphenylmethylamine. *Cryst Growth Des*. 14: 2381-2393. <http://dx.doi.org/10.1021/cg5001057>.
- Li, Y, i; Wang, L, iS; Feng, Y, unXia; Zhang, CY. (2011). Activity Coefficients of Organic Solutes at Infinite Dilution in Ionic Liquids. 1. 1-Hexyl-3-Methylimidazolium Hexafluorophosphate and 1-Octyl-3-Methylimidazolium Hexafluorophosphate and Their Application to Alkane/Aromatic and Aromatic/Aromatic Hydrocarbon Separation. *Ind Eng Chem Res*. 50: 10755-10764. <http://dx.doi.org/10.1021/ie102458k>.
- Li, Y; Wang, LS; Zhang, Y. (2010). Activity Coefficients at Infinite Dilution of Polar Solutes in 1-(2-Hydroxyethyl)-3-methylimidazolium Tetrafluoroborate Using Gas-Liquid Chromatography. *Journal of Chemical and Engineering Data*. 55: 1732-1734. <http://dx.doi.org/10.1021/je900704b>.
- Li, YX; Yao, XD; Xu, L; Luo, TL; Liu, GJ. (2011). Solubilities of N-[(4-Bromo-3,5-difluorine)-phenyl]maleimide in Different Organic Solvents. *Journal of Chemical and Engineering Data*. 56: 358-360. <http://dx.doi.org/10.1021/je1010054>.
- Li, ZW; Yang, QW; Chang, RX; Ma, GC; Chen, MX; Zhang, WQ. (2011). N-Heteroaryl-1,8-naphthalimide fluorescent sensor for water Molecular design, synthesis and properties. *Dyes and Pigments*. 88: 307-314. <http://dx.doi.org/10.1016/j.dyepig.2010.07.009>.
- Liang, J; He, L; Zhao, X; Dong, X, ia; Luo, H; Li, W. (2011). Novel linear fluoro-silicon-containing pentablock copolymers: synthesis and their properties as coating materials. *J Mater Chem*. 21: 6934-6943. <http://dx.doi.org/10.1039/c1jm10635j>.
- Lide, DR. (2000). CRC handbook of chemistry and physics. In DR Lide (Ed.), (81 ed., pp. 3-46). Boca Raton, FL: CRC Press.
- Lien, CF, u; Ho, CH; Shieh, CY, i; Tseng, C; Lin, JL. (2008). FTIR study of adsorption and reactions of ethylene oxide on powdered TiO₂. *J Phys Chem C*. 112: 8365-8371. <http://dx.doi.org/10.1021/jp711700d>.

Exposure Literature Search Results

Off Topic

- Lim, J, inK; Park, H, unKuk. (2012). Fabrication of macroporous chitosan/poly(L-lactide) hybrid scaffolds by sodium acetate particulate-leaching method. *Journal of Porous Materials*. 19: 383-387. <http://dx.doi.org/10.1007/s10934-011-9485-6>.
- Lim, J; Pyo, J; Jung, D; Jung, H, aK; Lee, J, inKyu. (2016). Preparation of mono-dispersed spherical titania nanoparticles with precise size control using ethylene glycol. *Journal of Sol-Gel Science and Technology*. 79: 89-97. <http://dx.doi.org/10.1007/s10971-016-4005-4>.
- Ling, Y, u; Wu, JJ; Gao, ZF; Li, NB; Luo, HQ, un. (2015). Enhanced Emission of Polyethyleneimine-Coated Copper Nanoclusters and Their Solvent Effect. *J Phys Chem C*. 119: 27173-27177. <http://dx.doi.org/10.1021/acs.jpcc.5b09488>.
- Lipnizki, F; Hausmanns, S. (2004). Hydrophobic pervaporation of binary and ternary solutions: Evaluation of fluxes, selectivities, and coupling effects. *Separation Science and Technology*. 39: 2235-2259. <http://dx.doi.org/10.1081/SS-120039309>.
- Lippe, K; Wagler, J; Kroke, E; Herkenhoff, S; Ischenko, V; Woltersdorf, J. (2009). Cyclic Silylcarbodiimides as Precursors for Porous Si/C/N Materials: Formation, Structures, and Stabilities. *Chem Mater*. 21: 3941-3949. <http://dx.doi.org/10.1021/cm9006958>.
- Lippincott, D; Streger, SH; Schaefer, CE; Hinkle, J; Stormo, J; Steffan, RJ. (2015). Bioaugmentation and Propane Biosparging for In Situ Biodegradation of 1,4-Dioxane. *Ground Water Monitoring and Remediation*. 35: 81-92. <http://dx.doi.org/10.1111/gwmmr.12093>.
- Liqiang, J; Yanchun, L; Qinghua, X. (2006). Synthesis and application of fluorinated acrylate copolymer as a retanning agent. *Journal of the Society of Leather Technologists and Chemists*. 90: 159-163.
- Liu, C; Andjelić, S; Zhou, J; Xu, Y; Vailhe, C; Vetrein, R. (2008). Thermal stability and melt rheology of poly(p-dioxanone). *J Mater Sci Mater Med*. 19: 3481-3487. <http://dx.doi.org/10.1007/s10856-008-3516-0>.
- Liu, C; Tang, G; Ding, H, ui; Chen, R; Liu, M. (2015). Determination of the solubility and thermodynamic properties of wedelolactone in a binary solvent of ethanol and water. *Fluid Phase Equilibria*. 385: 139-146. <http://dx.doi.org/10.1016/j.fluid.2014.10.031>.
- Liu, F, uS; Li, Z; Yu, S; Cui, X; Xie, C; Ge, XP. (2009). Methanolysis and Hydrolysis of Polycarbonate Under Moderate Conditions. *Journal of Polymers and the Environment*. 17: 208-211. <http://dx.doi.org/10.1007/s10924-009-0140-0>.
- Liu, GG; Jiang, XN; Xu, XB. (2001). Photodegradation of 1-(2-chlorobenzoyl)-3-(4-chlorophenyl) urea in different media and toxicity of its reaction products. *J Agric Food Chem*. 49: 2359-2362. <http://dx.doi.org/10.1021/jf000681h>.
- Liu, J, inQ; Cao, X, inX; Ji, B; Zhao, B. (2013). Measurement and Correlation of Solubilities of Indole-2-carboxylic Acid in Ten Different Pure Solvents from (278.15 to 360.15) K. *Journal of Chemical and Engineering Data*. 58: 3309-3313. <http://dx.doi.org/10.1021/je400813d>.
- Liu, J, inQ; Chen, S, iYu; Ji, B. (2014). Solubility and Thermodynamic Functions of Isatin in Pure Solvents. *Journal of Chemical and Engineering Data*. 59: 3407-3414. <http://dx.doi.org/10.1021/je500396b>.
- Liu, J; Lee, LS; Nies, LF; Nakatsu, CH; Turco, RF. (2007). Biotransformation of 8 : 2 fluorotelomer alcohol in soil and by soil bacteria isolates. *Environ Sci Technol*. 41: 8024-8030. <http://dx.doi.org/10.1021/es0708722>.
- Liu, J, inQ; Li, Y, aoYao; Wang, A, iYan; Hong, DF; Zhang, L, iYue; Wu, S, ha; Bai, QY, un; Chen, S, iYu. (2014). 4-Amino-3,6-dichloropyridazine Solubility Measurement and Correlation in Seven Pure Organic Solvents from (278.15 to 333.15) K. *Journal of Chemical and Engineering Data*. 59: 3947-3952. <http://dx.doi.org/10.1021/je500286x>.
- Liu, J; Zhou, XF. (2011). Structural changes in residual lignin of Eucalyptus urophylla x Eucalyptus grandis LH 107 oxygen delignified kraft pulp upon chlorine dioxide bleaching. *Scientia Iranica*. 18: 486-490. <http://dx.doi.org/10.1016/j.scient.2011.05.013>.
- Liu, L; Zhao, Y; Gan, S; Liang, X; Yang, J; He, M. (2008). Acetalization of carbonyl compounds with 2,2,4-trimethyl-1,3-pentanedio catalyzed by novel carbon based solid acid catalyst. *Journal of Natural Gas Chemistry*. 17: 149-152.
- Liu, R, u; Peng, Y, ao; Cao, J; Chen, Y, u. (2014). Comparison on properties of lignocellulosic flour/polymer composites by using wood, cellulose, and lignin flours as fillers. *Compos Sci Tech*. 103: 1-7. <http://dx.doi.org/10.1016/j.compscitech.2014.08.005>.
- Liu, S; He, Z; Xu, G; Xiao, X. (2014). Fabrication of polycaprolactone nanofibrous scaffolds by facile phase separation approach. *Mater Sci Eng C*. 44: 201-208. <http://dx.doi.org/10.1016/j.msec.2014.08.012>.
- Liu, TY, in; Bian, L, iXia; Yuan, H, aoGe; Pang, B, o; Lin, Y, aKai; Tong, Y, u; Van Der Bruggen, B; Wang, XL, in. (2015). Fabrication of a high-flux thin film composite hollow fiber nanofiltration membrane for wastewater treatment. *J Memb Sci*. 478: 25-36. <http://dx.doi.org/10.1016/j.memsci.2014.12.029>.
- Liu, TY, in; Liu, Z, aiHao; Zhang, R, uiXin; Wang, Y, ao; Van Der Bruggen, B; Wang, XL, in. (2015). Fabrication of a thin film nanocomposite hollow fiber nanofiltration membrane for wastewater treatment. *J Memb Sci*. 488: 92-102. <http://dx.doi.org/10.1016/j.memsci.2015.04.020>.
- Liu, X; Won, Y; Ma, PX. (2005). Surface modification of interconnected porous scaffolds. *J Biomed Mater Res A*. 74: 84-91. <http://dx.doi.org/10.1002/jbm.a.30367>.
- Liu, Y; Johnson, MR; Matida, EA; Kherani, S; Marsan, J. (2009). Creation of a standardized geometry of the human nasal cavity. *J Appl Physiol*. 106: 784-795. <http://dx.doi.org/10.1152/jappphysiol.90376.2008>.
- Liu, Z; Meng, L; Chen, J; Cao, Y; Wang, Z; Ren, H, ao. (2016). The utilization of soybean straw III: Isolation and characterization of lignin from soybean straw. *Biomass and Bioenergy*. 94: 12-20. <http://dx.doi.org/10.1016/j.biombioe.2016.07.021>.
- Liu, ZF; Fullwood, N; Rimmer, S. (2000). Synthesis of allyloxycarbonyloxymethyl-5-fluorouracil and copolymerizations with N-vinylpyrrolidinone. *J Mater Chem*. 10: 1771-1775.
- Livaja-Popovic, DJ; Loncar, E, vaS; Jevric, LR; Malbasa, RV. (2012). Reversed-phase thin-layer chromatography behavior of aldopentose derivatives. *Hemijaska Industrija*. 66: 365-372. <http://dx.doi.org/10.2298/HEMIND111012099L>.
- Loeb, S; Andrews, SA; Hofmann, R, on. (2015). The effect of immobilized catalyst structure on the degradation of chemical and biological contaminants in simulated solar photocatalytic water purification. *Journal of Water Supply: Research and Technology-AQUA*. 64: 883-891. <http://dx.doi.org/10.2166/aqua.2015.035>.
- Loehe, J. R.; Vanness, HC; Abbott, MM. (1981). EXCESS THERMODYNAMIC FUNCTIONS FOR TERNARY-SYSTEMS .7. TOTAL PRESSURE DATA AND GE FOR ACETONE-1,4-DIOXANE-WATER AT 50-DEGREES-C. *Journal of Chemical and Engineering Data*. 26: 178-181.
- Lohmann, J; Gmehling, J. (2001). Solid-liquid equilibria for seven binary systems. *Journal of Chemical and Engineering Data*. 46: 333-336.

Exposure Literature Search Results

Off Topic

- Lokesh, BG; Rao, KSV, K; Reddy, KM; Rao, KC; Rao, PS. (2008). Novel nanocomposite membranes of sodium alginate filled with polyaniline-coated titanium dioxide for dehydration of 1,4-dioxane/water mixtures. *Desalination*. 233: 166-172. <http://dx.doi.org/10.1016/j.desal.2007.09.039>.
- Loots, L; O'Connor, JP; le Roex, T; Haynes, DA. (2015). Solid-State Supramolecular Chemistry of a Benzylpyridine-Functionalized Zwitterion: Polymorphism, Interconversion, and Porosity. *Cryst Growth Des*. 15: 5849-5857. <http://dx.doi.org/10.1021/acs.cgd.5b01238>.
- López-Donaire, ML; Fernández-Gutiérrez, M; Parra-Cáceres, J; Vázquez-Lasa, B; García-Alvarez, I; Fernández-Mayoralas, A; Román, JS. (2010). A study on partially biodegradable microparticles as carriers of active glycolipids. *Acta Biomater*. 6: 1360-1369. <http://dx.doi.org/10.1016/j.actbio.2009.11.009>.
- Lu, N, a; Chen, W, ei; Fang, G; Chen, B, i; Yang, K; Yang, Y, un; Wang, Z; Huang, S; Li, Y. (2014). 5-fold Twinned Nanowires and Single Twinned Right Bipyramids of Pd: Utilizing Small Organic Molecules To Tune the Etching Degree of O-2/Halides. *Chem Mater*. 26: 2453-2459. <http://dx.doi.org/10.1021/cm4042204>.
- Luik, H; Blyakhina, I; Luik, L. (2002). Liquefaction of Estonian oil shale kerogen in sub- and supercritical ether medium - 2. Composition of liquid products. *Oil Shale*. 19: 355-372.
- Luik, H; Luik, L; Blyakhina, I. (2002). Liquefaction of Estonian oil shale kerogen in sub- and supercritical ether medium 1. Effect of ether type on the yield and character of decomposition products. *Oil Shale*. 19: 43-56.
- Lukosek, M. (2007). Ethoxylation of stearic acid. Optimization of the process and evaluation of the products. *Przemysł Chemiczny*. 86: 652-655.
- Lukosek, M; Kosno, J; Naraniecki, B. (2010). Ethoxylation of nonylphenol. Process and product optimization. *Przemysł Chemiczny*. 89: 945-948.
- Lunkenheimer, K; Piasecki, A; Burczyk, B; Hirte, R. (2000). Adsorption properties of diastereomeric 2-n-alkyl-5-methoxy-1,3-dioxanes at the air/water interface. *Langmuir*. 16: 6982-6986.
- Luo, LB; Eisenberg, A. (2001). Thermodynamic size control of block copolymer vesicles in solution. *Langmuir*. 17: 6804-6811.
- Luo, W; Bruijninx, PCA; Weckhuysen, BM. (2014). Selective, one-pot catalytic conversion of levulinic acid to pentanoic acid over Ru/H-ZSM5. *J Catal*. 320: 33-41. <http://dx.doi.org/10.1016/j.jcat.2014.09.014>.
- Luo, W; Deka, U; Beale, AM; van Eck, ERH; Bruijninx, PCA; Weckhuysen, BM. (2013). Ruthenium-catalyzed hydrogenation of levulinic acid: Influence of the support and solvent on catalyst selectivity and stability. *J Catal*. 301: 175-186. <http://dx.doi.org/10.1016/j.jcat.2013.02.003>.
- Luong, J; Gras, R; Cortes, H; Shellie, RA. (2012). Multi-dimensional gas chromatography with a planar microfluidic device for the characterization of volatile oxygenated organic compounds. *J Chromatogr A*. 1255: 216-220. <http://dx.doi.org/10.1016/j.chroma.2012.01.073>.
- Lutfullah; Khan, F; Rahman, N; Azmi, SNH. (2009). Spectrophotometric determination of uranium (VI) via complexation with piroxicam. *Indian J Chem Tech*. 16: 437-441.
- Lyman, W; Reehl, W; Rosenblatt, D. (1990). Handbook of chemical property estimation methods: Environmental behavior of organic compounds. In WJ Lyman; WF Reehl; DH Rosenblatt (Eds.). Washington, DC: American Chemical Society.
- Ma, D; Li, B; Cui, Z; Liu, K; Chen, C; Li, G; Hua, J; Ma, B; Shi, Z; Feng, S. (2016). Multifunctional Luminescent Porous Organic Polymer for Selectively Detecting Iron Ions and 1,4-Dioxane via Luminescent Turn-off and Turn-on Sensing. 8: 24097-24103. <http://dx.doi.org/10.1021/acsami.6b07470>.
- Ma, L; Li, HR; Wang, CM; Xu, YJ; Han, SJ. (2005). Prediction of vapor-liquid equilibria data from C-H band shifts of Raman spectra and activity coefficients at infinite dilution in some aqueous systems. *Ind Eng Chem Res*. 44: 6883-6887. <http://dx.doi.org/10.1021/ie050078u>.
- Ma, X; Liang, R, an; Yang, F, an; Zhao, Z; Zhang, A; Song, N; Zhou, Q; Zhang, J. (2008). Synthesis and properties of novel second-order NLO chromophores containing pyrrole as an auxiliary electron donor. *J Mater Chem*. 18: 1756-1764. <http://dx.doi.org/10.1039/b720023d>.
- Ma, X; Zheng, X, in; Lin, L; Chen, L; Survase, S; Huang, L; Cao, S. (2015). Evaluating effects of benzene-ethanol extraction on molecular weight of lignin isolated from pretreated bamboo substrate. *Wood Science and Technology*. 49: 945-955. <http://dx.doi.org/10.1007/s00226-015-0735-7>.
- Ma, Z; Gao, C; Gong, Y; Shen, J. (2003). Paraffin spheres as porogen to fabricate poly(L-lactic acid) scaffolds with improved cytocompatibility for cartilage tissue engineering. *J Biomed Mater Res B Appl Biomater*. 67: 610-617. <http://dx.doi.org/10.1002/jbm.b.10049>.
- Mabuchi, T; Yoon, S; Ishiwara, H. (2011). Solvent dependency of pentacene degradation for top-gate-type organic ferroelectric memory. *Curr Appl Phys*. 11: S98-S101. <http://dx.doi.org/10.1016/j.cap.2011.07.017>.
- Machado, AEH; Furuyama, AM; Falone, SZ; Ruggiero, R; Perez, D; Castellan, A. (2000). Photocatalytic degradation of lignin and lignin models, using titanium dioxide: the role of the hydroxyl radical. *Chemosphere*. 40: 115-124.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1994). HIGH-PRESSURE DELIGNIFICATION OF EUCALYPTUS WOOD BY 1,4-DIOXANE-CO₂ MIXTURES. *Journal of Supercritical Fluids*. 7: 87-92.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1996). Characterisation of residues and extracts of high-pressure extraction of eucalyptus wood by 1,4-dioxane-CO₂ mixtures .1. Characterisation by FTIR, UV and HPLC. *Holzforschung*. 50: 531-540.
- Machado, ASR; Sardinha, RMA; Deazevedo, EG; Daponte, MN. (1997). Characterisation of residues and extracts of high-pressure extraction of eucalyptus wood with 1,4-dioxane-CO₂ mixtures .2. Determination of macromolecular parameters of lignins extracted with high-pressure 1,4-dioxane. *Holzforschung*. 51: 57-61.
- Maciucă, AL; Dumitriu, E; Fajula, F; Hulea, V. (2007). Catalytic oxidation processes for removing dimethylsulfoxide from wastewater. *Chemosphere*. 68: 227-233. <http://dx.doi.org/10.1016/j.chemosphere.2007.01.028>.
- Madani, M. (2010). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Bulletin of Materials Science*. 33: 65-73. <http://dx.doi.org/10.1007/s12034-010-0009-9>.
- Madani, M. (2011). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Curr Appl Phys*. 11: 70-76. <http://dx.doi.org/10.1016/j.cap.2010.06.021>.

Exposure Literature Search Results

Off Topic

- Maddah, B; Motahari, A; Moghimi, A. (2010). High Capacity Anion-Exchange Resin as a Solid-Phase Extraction for Determination of Methylphosphonic Acid. *Separation Science and Technology*. 45: 2363-2367. <http://dx.doi.org/10.1080/01496391003705672>.
- Maekawa, J, un; Mae, K; Nakagawa, H. (2016). Degradation of 1,4-Dioxane by the Ferrioxalate-Mediated Photo-Fenton Process Using UV or White LED Irradiation. *J Chem Eng Jpn*. 49: 305-311. <http://dx.doi.org/10.1252/jcej.14we272>.
- Maekawa, T. (2013). Equilibrium conditions of clathrate hydrates formed from xenon and aqueous solutions of acetone, 1,4-dioxane and 1,3-dioxolane. *Fluid Phase Equilibria*. 339: 15-19. <http://dx.doi.org/10.1016/j.fluid.2012.11.034>.
- Maekawa, T. (2014). Equilibrium conditions for clathrate hydrates formed from carbon dioxide or ethane in the presence of aqueous solutions of 1,4-dioxane and 1,3-dioxolane. *Fluid Phase Equilibria*. 384: 95-99. <http://dx.doi.org/10.1016/j.fluid.2014.10.032>.
- Maeyama, K; Suzuki, M; Tsukamoto, T; Higashibayashi, S; Sakurai, H. (2014). Synthesis of thermally stable, wholly aromatic polyketones with 2,2'-dimethoxy-1,1'-binaphthyl-6,6'-diyl units through nanosized-palladium-cluster-catalyzed Suzuki-Miyaura coupling polymerization. *React Funct Polym*. 79: 24-28. <http://dx.doi.org/10.1016/j.reactfunctpolym.2014.03.007>.
- Magina, S; Marques, A; Evtuguin, DV. (2015). Study on the residual lignin in Eucalyptus globulus sulphite pulp. *Holzforschung*. 69: 513-522. <http://dx.doi.org/10.1515/hf-2014-0218>.
- Mahdaviani, SH; Parvari, M; Soudbar, D. (2016). Simultaneous multi-objective optimization of a new promoted ethylene dimerization catalyst using grey relational analysis and entropy measurement. *Korean J Chem Eng*. 33: 423-437. <http://dx.doi.org/10.1007/s11814-015-0158-z>.
- Mahendra, S; Alvarez-Cohen, L. (2006). Kinetics of 1,4-dioxane biodegradation by monoxygenase-expressing bacteria. *Environ Sci Technol*. 40: 5435-5442. <http://dx.doi.org/10.1021/es060714v>.
- Mahendra, S; Grostern, A; Alvarez-Cohen, L. (2013). The impact of chlorinated solvent co-contaminants on the biodegradation kinetics of 1,4-dioxane. *Chemosphere*. 91: 88-92. <http://dx.doi.org/10.1016/j.chemosphere.2012.10.104>.
- Mahendra, S; Petzold, CJ; Baidoo, EE; Keasling, J, ayD; Alvarez-Cohen, L. (2007). Identification of the intermediates of in vivo oxidation of 1,4-dioxane by monoxygenase-containing bacteria. *Environ Sci Technol*. 41: 7330-7336. <http://dx.doi.org/10.1021/es0705745>.
- Maher, A; Croker, D; Rasmuson, AC; Hodnett, BK. (2010). Solubility of Form III Piracetam in a Range of Solvents. *Journal of Chemical and Engineering Data*. 55: 5314-5318. <http://dx.doi.org/10.1021/je1003934>.
- Maher, A; Rasmuson, A, keC; Croker, DM; Hodnett, BK. (2012). Solubility of the Metastable Polymorph of Piracetam (Form II) in a Range of Solvents. *Journal of Chemical and Engineering Data*. 57: 3525-3531. <http://dx.doi.org/10.1021/je300711r>.
- Mahkam, M; Sanjani, NS; Entezami, AA. (2000). Regulation of controlled release of ibuprofen from crosslinked polymers containing cubane as a new crosslinking agent. *J Bioact Compat Polymer*. 15: 396-405.
- Maine CDC. (2012). Maximum exposure guidelines (MEGs) for drinking water. Maine Department of Human Services. <http://www.maine.gov/dhhs/mecdc/environmental-health/eohp/wells/documents/megtableoct2012.pdf>.
- Makedonski, P; Brandes, M; Grahn, W; Kowalsky, W; Wichern, E; Wiese, S; Johannes, HH. (2004). Synthesis of new kinds of reactive azo dyes and their application for fibre-optical pH-measurements. *Dyes and Pigments*. 61: 109-119. <http://dx.doi.org/10.1016/j.dyepig.2003.10.005>.
- Maken, A; Maken, S. (2012). Energetics of molecular interactions of 1,4-dioxane with formamides or anilines at 308.15 K. *J Ind Eng Chem*. 18: 1013-1017. <http://dx.doi.org/10.1016/j.jiec.2011.11.139>.
- Makhlouf, MT; Gomma, GK; Wahdan, MH; Khalil, ZH. (1995). EFFECT OF CYANINE DYE SOLVENT INTERACTION ON THE ELECTROCHEMICAL CORROSION BEHAVIOR OF LOW-CARBON STEEL IN ACID-MEDIUM. *Mater Chem Phys*. 40: 119-125.
- Makhseed, S; Samuel, J. (2013). Microporous organic polymers incorporating dicarboximide units for H₂ storage and remarkable CO₂ capture. 1: 13004-13010. <http://dx.doi.org/10.1039/c3ta12233f>.
- Malathi, M; Sabesan, R; Krishnan, S. (2003). Dielectric relaxation studies of dilute solutions of amides. *Mater Sci Eng B*. 104: 1-4. [http://dx.doi.org/10.1016/S0921-5107\(03\)00141-7](http://dx.doi.org/10.1016/S0921-5107(03)00141-7).
- Malinowski, JJ; Daugulis, AJ. (2002). The effective approach for recovery of methyl-substituted 1,3-dioxane from aqueous media. *Separation Science and Technology*. 37: 2659-2667.
- Mandoli, C; Mecheri, B; Forte, G; Pagliari, F; Pagliari, S; Carotenuto, F; Fiaccavento, R; Rinaldi, A; Di Nardo, P; Licoccia, S; Traversa, E. (2010). Thick soft tissue reconstruction on highly perfusive biodegradable scaffolds. *Macromol Biosci*. 10: 127-138. <http://dx.doi.org/10.1002/mabi.200900323>.
- Mani, TV; Varma, HK; Warriar, KGK; Damodaran, AD. (1992). GELATION CHARACTERISTICS OF ALUMINUM TITANATE PRECURSOR SOLS IN DIFFERENT SOLVENT MEDIA. *Ceramics International*. 18: 69-72.
- Mannella, GA; La Carrubba, V; Brucato, V. (2010). On the calculation of free energy of mixing for aqueous polymer solutions with group-contribution models. *Fluid Phase Equilibria*. 299: 222-228. <http://dx.doi.org/10.1016/j.fluid.2010.09.036>.
- Mannella, GA; La Carrubba, V; Brucato, V; Sanchez, IC. (2011). Lattice fluid model generalized for specific interactions: An application to ternary polymer solutions. *Fluid Phase Equilibria*. 312: 60-65. <http://dx.doi.org/10.1016/j.fluid.2011.09.013>.
- Manoj, K; Gonnade, RG; Bhadbhade, MM; Shashidhar, MS. (2006). Subtle crossover from C-H center dot center dot center dot O to S=O center dot center dot center dot C=O short contacts in the association of diastereomers of 2,4(6)-di-O-benzoyl-6(4)-O-[(1S)-10-camphorsulfonyl]-myo-inositol 1,3,5-orthoformate upon formation of pseudopolymorphs. *Cryst Growth Des*. 6: 1485-1492. <http://dx.doi.org/10.1021/cg0601271>.
- Manteghian, M; Safavi, SMM; Mohammadi, A. (2013). The equilibrium conditions, hydrate formation and dissociation rate and storage capacity of ethylene hydrate in presence of 1,4-dioxane. *Chem Eng J*. 217: 379-384. <http://dx.doi.org/10.1016/j.cej.2012.12.014>.
- Manzhos, S; Komatsu, M; Nakazaki, J; Segawa, H; Yamashita, K. (2012). Theoretical analysis of the solvatochromism of organic dyes differing by the conjugation sequence. 2. <http://dx.doi.org/10.1117/1.JPE.2.028001>.

Exposure Literature Search Results

Off Topic

- Mao, J; Erstfeld, KM; Fackler, PH. (1993). SIMULTANEOUS DETERMINATION OF TRALOMETHRIN, DELTAMETHRIN, AND RELATED-COMPOUNDS BY HPLC WITH RADIOMETRIC DETECTION. *J Agric Food Chem.* 41: 596-601.
- Marakatti, VS; Shanbhag, GV; Halgeri, AB. (2013). Sulfated zirconia; an efficient and reusable acid catalyst for the selective synthesis of 4-phenyl-1,3-dioxane by Prins cyclization of styrene. *Appl Catal A-Gen.* 451: 71-78. <http://dx.doi.org/10.1016/j.apcata.2012.11.016>.
- Marlin, N; Lachenal, D; Magnin, L; Brochier-Salon, MC. (2005). Study of the oxygen effect on mechanical pulp lignin using an improved lignin isolation method. *Holzforschung.* 59: 116-123. <http://dx.doi.org/10.1515/HF.2005.018>.
- Marques, DS; Vainio, U; Chaparro, NM; Calo, VM; Bezahd, A, IIR; Pitera, J, edW; Peinemann, KV; Nunes, SP. (2013). Self-assembly in casting solutions of block copolymer membranes. *Soft Matter.* 9: 5557-5564. <http://dx.doi.org/10.1039/c3sm27475f>.
- Marques, G; Bourdelande, JL; Valiente, M. (1999). Immobilised Pd (II) on a phosphine sulphide derivated polystyrene as affinity chromatographic material for the selective adsorption of amino acids. *React Funct Polym.* 41: 77-89.
- Martijn, BJ; Fuller, AL; Malley, JP; Kruithof, JC. (2010). Impact of IX-UF Pretreatment on the Feasibility of UV/H2O2 Treatment for Degradation of NDMA and 1,4-Dioxane. *Ozone: Science and Engineering.* 32: 383-390. <http://dx.doi.org/10.1080/01919512.2010.515507>.
- Martinez, CG; Neuner, A; Martinez, LA; Braun, AM; Oliveros, E. (2000). Effect of the media on the quantum yield of singlet oxygen (O-2((1)Delta g)) production by fluorenone. *Journal of Information Recording.* 25: 405-410.
- Martinez, F; Pena, MA; Bustamante, P. (2011). Thermodynamic analysis and enthalpy-entropy compensation for the solubility of indomethacin in aqueous and non-aqueous mixtures. *Fluid Phase Equilibria.* 308: 98-106. <http://dx.doi.org/10.1016/j.fluid.2011.06.016>.
- Marui, Y; Kikuzawa, A; Kida, T; Akashi, M. (2010). Unique organogel formation with macroporous materials constructed by the freeze-drying of aqueous cyclodextrin solutions. *Langmuir.* 26: 11441-11445. <http://dx.doi.org/10.1021/la1009434>.
- Mascaros, AF; Collar, C. (1994). PROTEIN ELECTROPHORETIC PATTERN AND BREADMAKING PERFORMANCE OF WHEAT BREAD DOUGHS AND BREAD STARTED WITH PURE AND ASSOCIATED CULTURES OF YEAST AND LACTIC-ACID BACTERIA. 34: 507-526.
- Maslinskasolich, J; Baranowska, I; Macionga, A. (1992). STUDIES ON CO(II) AND MN(II) COMPLEXES OF SOME MALEIC-ANHYDRIDE COPOLYMERS. 18: 159-166.
- Massey, PM; Boansi, RK; Gipson, JD; Adams, RM; Riess, H; Dieng, T; Prelip, ML; Glik, DC. (2017). Human papillomavirus (HPV) awareness and vaccine receptivity among Senegalese adolescents. *Trop Med Int Health.* 22: 113-121. <http://dx.doi.org/10.1111/tmi.12798>.
- Masuyama, Y; Nakajima, Y; Okabe, J. (2010). Environmentally-benign palladium(II)-exchanged hydroxyapatite-catalyzed allylic alkylation of allyl methyl carbonate in water. *Appl Catal A-Gen.* 387: 107-112. <http://dx.doi.org/10.1016/j.apcata.2010.08.010>.
- Matejcek, P; Uchman, M; Lokajova, J; Stepanek, M; Spirkova, M; Prochazka, K. (2008). Multilayer polymeric nanoparticles based on specific interactions in solution: Polystyrene-block-poly(methacrylic acid) micelles with linear poly(2-vinylpyridine) in aqueous buffers. 23: 557-560. <http://dx.doi.org/10.1080/10426910802157771>.
- Matharu, K; Mittal, SK; Kumar, SKA. (2012). Conductometric Performance of Two-Pole and Five-Ring Conductivity Cell Probes for Lanthanide Determination Using EDTA and DCTA as Potential Sequestering Agents. *Ind Eng Chem Res.* 51: 11328-11334. <http://dx.doi.org/10.1021/ie301141g>.
- Matijasic, A; Marler, B; Patarin, J. (2000). Synthesis and characterization of Mu-11: a porous sodium trisilicate Na2Si3O7 center dot H2O with 10-membered ring openings. *International Journal of Inorganic Materials.* 2: 209-216.
- Matijasic, A; Patarin, J. (1999). Synthesis of OFF-type zeolite in a quasi non aqueous medium: structure directing role of p-dioxane and alkaline cations. *Microporous and Mesoporous Materials.* 29: 405-412.
- Matsuda, H; Kaburagi, K; Kurihara, K; Tochigi, K; Tomono, K. (2010). Prediction of solubilities of pharmaceutical compounds in water plus co-solvent systems using an activity coefficient model. *Fluid Phase Equilibria.* 290: 153-157. <http://dx.doi.org/10.1016/j.fluid.2009.08.021>.
- Matsuda, H; Kaburagi, K; Matsumoto, S, ho; Kurihara, K; Tochigi, K; Tomono, K. (2009). Solubilities of Salicylic Acid in Pure Solvents and Binary Mixtures Containing Cosolven. *Journal of Chemical and Engineering Data.* 54: 480-484. <http://dx.doi.org/10.1021/jc800475d>.
- Matsufuji, H; Chino, M; Takeda, M. (2004). Effects of paprika pigments on oxidation of linoleic acid stored in the dark or exposed to light. *J Agric Food Chem.* 52: 3601-3605. <http://dx.doi.org/10.1021/jf035319s>.
- Matsushita, T; Hirai, S; Ishikawa, T; Matsui, Y; Shirasaki, N. (2015). Decomposition of 1,4-dioxane by vacuum ultraviolet irradiation: Study of economic feasibility and by-product formation. *Process Saf Environ Protect.* 94: 528-541. <http://dx.doi.org/10.1016/j.psep.2014.11.005>.
- Matteoli, E; Lepori, L. (2000). Determination of the excess enthalpy of binary mixtures from the measurements of the heat of solution of the components: application to the perfluorohexane plus hexane mixture. *Fluid Phase Equilibria.* 174: 115-131.
- Mattinen, ML; Suortti, T; Gosselink, R; Argyropoulos, DS; Evtuguin, D; Suurnakki, A; de Jong, E, d; Tamminen, T. (2008). POLYMERIZATION OF DIFFERENT LIGNINS BY LACCASE. *BioResources.* 3: 549-565.
- Maurer, A; Fengel, D. (1992). ON THE ORIGIN OF MILLED WOOD LIGNIN .1. THE INFLUENCE OF BALL-MILLING ON THE ULTRASTRUCTURE OF WOOD CELL-WALLS AND THE SOLUBILITY OF LIGNIN. *Holzforschung.* 46: 417-423.
- Maurer, A; Fengel, D. (1992). ON THE ORIGIN OF MILLED WOOD LIGNIN .2. THE SOLUBILITY OF LIGNIN - STUDIED BY DIOXANE EXTRACTION OF ULTRATHIN SECTIONS. *Holzforschung.* 46: 471-475.
- Maurino, V; Calza, P; Minero, C; Pelizzetti, E; Vincenti, M. (1997). Light-assisted 1,4-dioxane degradation. *Chemosphere.* 35: 2675-2688.
- Maury, S; Buisson, P; Pierre, AC. (2001). Porous texture modification of silica aerogels in liquid media and its effect on the activity of a lipase. *Langmuir.* 17: 6443-6446.
- Maury, S; Pierre, AC. (2001). Hydrolysis behaviour of lipase from *Pseudomonas Cepacia* encapsulated in silica aerogels with different characteristics. *Macromol Biosci.* 1: 119-125.
- Mavani, SJ; Mehta, NM; Parsania, PH. (2007). Synthesis and physico-chemical study of polyester polyol of epoxy resin of 1,1'-bis(3-methyl-4-hydroxy phenyl) cyclohexane and ricinoleic acid and its polyurethanes with polyethylene glycol. *Journal of Sci Ind Res.* 66: 377-384.

Exposure Literature Search Results

Off Topic

- Mazaheri, H; Lee, KT; Bhatia, S; Mohamed, AR. (2010). Sub/supercritical liquefaction of oil palm fruit press fiber for the production of bio-oil: effect of solvents. *Bioresour Technol.* 101: 7641-7647. <http://dx.doi.org/10.1016/j.biortech.2010.04.072>.
- Mazi, H; Kibarar, G; Emregül, E; Rzaev, ZM. (2006). Bioengineering Functional Copolymers. IX. Poly[(maleic anhydride-co-hexene-1)-g-poly(ethylene oxide)]. *Macromol Biosci.* 6: 311-321. <http://dx.doi.org/10.1002/mabi.200500222>.
- McConnell, EE; Solleveld, HA; Swenberg, JA; Boorman, GA. (1986). Guidelines for combining neoplasms for evaluation of rodent carcinogenesis studies. *J Natl Cancer Inst.* 76: 283-289. <http://dx.doi.org/10.1093/jnci/76.2.283>.
- Mcgregor, DB; Brown, AG; Howgate, S; McBride, D; Riach, C; Caspary, WJ. (1991). Responses of the L5178Y mouse lymphoma cell forward mutation assay. V: 27 coded chemicals. *Environ Mol Mutagen.* 17: 196-219. <http://dx.doi.org/10.1002/em.2850170309>.
- Medinsky, MA; Bond, JA. (2001). Sites and mechanisms for uptake of gases and vapors in the respiratory tract [Review]. *Toxicology.* 160: 165-172. [http://dx.doi.org/10.1016/S0300-483X\(00\)00448-0](http://dx.doi.org/10.1016/S0300-483X(00)00448-0).
- Meena, S; Amit, S. (2008). Activation parameters of flow through micro porous and ion exchange separators. *Res Journal Chem Environ.* 12: 82-84.
- Mejias, L; Reihmann, MH; Sepulveda-Boza, S; Ritter, H. (2002). New polymers from natural phenols using horseradish or soybean peroxidase. *Macromol Biosci.* 2: 24-32.
- Menea, B; Takahashi, M; Innocenzi, P; Yoko, T. (2007). Crystallization in hybrid organic-inorganic materials induced by self-organization in basic conditions. *Chem Mater.* 19: 1946-1953. <http://dx.doi.org/10.1021/cm062660u>.
- Mendonca, PV; Serra, AC; Popov, AV; Guliasvili, T; Coelho, JFJ. (2014). Efficient RAFT polymerization of N-(3-aminopropyl)methacrylamide hydrochloride using unprotected "clickable" chain transfer agents. *React Funct Polym.* 81: 1-7. <http://dx.doi.org/10.1016/j.reactfunctpolym.2014.04.001>.
- Menetrey, J; Perderiset, M; Cicolari, J; Houdusse, A; Stura, EA. (2007). Improving diffraction from 3 to 2 angstrom for a complex between a small GTPase and its effector by analysis of crystal contacts and use of reverse screening. *Cryst Growth Des.* 7: 2140-2146. <http://dx.doi.org/10.1021/cg700698d>.
- Mengliang, W; Chunxia, G. (2011). Biocatalytic Synthesis of Salidroside by beta-Glucosidase in Ionic Liquids. *Chinese journal of catalysis.* 32: 1051-1055. <http://dx.doi.org/10.3724/SP.J.1088.2011.01211>.
- Merayo, N; Hermosilla, D; Cortijo, L; Blanco, Á. (2014). Optimization of the Fenton treatment of 1,4-dioxane and on-line FTIR monitoring of the reaction. *J Hazard Mater.* 268: 102-109. <http://dx.doi.org/10.1016/j.jhazmat.2014.01.008>.
- Merrett, K; Griffith, CM; Deslandes, Y; Pleizier, G; Sheardown, H. (2001). Adhesion of corneal epithelial cells to cell adhesion peptide modified pHEMA surfaces. *J Biomater Sci Polym Ed.* 12: 647-671.
- Mertens, P; Verpoort, F; Parvulescu, AN; De Vos, D. (2006). Pt/H-beta zeolites as productive bifunctional catalysts for the one-step citronellal-to-menthol conversion. *J Catal.* 243: 7-13. <http://dx.doi.org/10.1016/j.jcat.2006.06.017>.
- Merzliak, T; Bartussek, I; Stapf, S; Voda, MA; Bluemich, B; Pfennig, A. (2006). Description of intra-diffusion in liquid mixtures. *Fluid Phase Equilibria.* 245: 158-167. <http://dx.doi.org/10.1016/j.fluid.2006.05.001>.
- Meylan, WM; Howard, PH; Boethling, RS; Aronson, D; Printup, H; Gouchie, S. (1999). Improved method for estimating bioconcentration/bioaccumulation factor from octanol/water partition coefficient. *Environ Toxicol Chem.* 18: 664-672. <http://dx.doi.org/10.1002/etc.5620180412>.
- Mi, H; Jing, X, in; Salick, M; Cordie, TM; Peng, XF; Turng, L. (2014). Morphology, mechanical properties, and mineralization of rigid thermoplastic polyurethane/hydroxyapatite scaffolds for bone tissue applications: effects of fabrication approaches and hydroxyapatite size. *Journal of Materials Science.* 49: 2324-2337. <http://dx.doi.org/10.1007/s10853-013-7931-3>.
- Mihu, G; Mihalache, I; Bodor, M; Mircea, O; Graur, I. (2016). Tribological Characterization of Modified Epoxy Systems. *Materiale Plastice.* 53: 298-303.
- Mikie, T; Saeki, A; Yamazaki, Y; Ikuma, N; Kokubo, K; Seki, S. (2015). Stereochemistry of spiro-acetalized [60]fullerenes: how the exo and endo stereoisomers influence organic solar cell performance. *Cryst Growth Des.* 15: 8915-8922. <http://dx.doi.org/10.1021/acsami.5b01818>.
- Miller, MB; Chen, DL; Luebke, DR; Johnson, JK; Enick, RM. (2011). Critical Assessment of CO2 Solubility in Volatile Solvents at 298.15 K. *Journal of Chemical and Engineering Data.* 56: 1565-1572. <http://dx.doi.org/10.1021/je101161d>.
- Minbu, H; Ochiai, A; Kawase, T; Taniguchi, M; Lloyd, DR; Tanaka, T. (2015). Preparation of poly(L-lactic acid) microfiltration membranes by a nonsolvent-induced phase separation method with the aid of surfactants. *J Memb Sci.* 479: 85-94. <http://dx.doi.org/10.1016/j.memsci.2015.01.021>.
- Minelli, M; Friess, K; Vopicka, O; De Angelis, MG. (2013). Modeling gas and vapor sorption in a polymer of intrinsic microporosity (PIM-1). *Fluid Phase Equilibria.* 347: 35-44. <http://dx.doi.org/10.1016/j.fluid.2013.03.003>.
- Minkov, VS; Beloborodova, AA; Drebuschak, VA; Boldyreva, EV. (2014). Furosemide Solvates: Can They Serve As Precursors to Different Polymorphs of Furosemide? *Cryst Growth Des.* 14: 513-522. <http://dx.doi.org/10.1021/cg401257w>.
- Misra, AK; Pacharee, S. (2002). Retention behaviour of metal ions on calcium sulphate layers: Separation of mercury. *Indian J Chem Tech.* 9: 239-244.
- Misra, DN. (1994). INTERACTION OF CHLORHEXIDINE DIGLUCONATE WITH AND ADSORPTION OF CHLORHEXIDINE ON HYDROXYAPATITE. *J Biomed Mater Res.* 28: 1375-1381.
- Miyagawa, D; Muroyama, M; Tanaka, K; Usui, H. (2016). Preparation of Phosphorescent Polymer Patterns by Spin-Coating Photoreactive Small Molecules. *Electronics and Communications in Japan.* 99: 58-64. <http://dx.doi.org/10.1002/ecj.11827>.
- Miyagawa, Y; Kamitakahara, H; Takano, T. (2013). Fractionation and characterization of lignin-carbohydrate complexes (LCCs) of Eucalyptus globulus in residues left after MWL isolation. Part II: Analyses of xylan-lignin fraction (X-L). *Holzforschung.* 67: 629-642. <http://dx.doi.org/10.1515/hf-2012-0148>.

Exposure Literature Search Results

Off Topic

- Mochida, T; Ohnishi, R; Horita, N; Kamiya, Y; Okuhara, T. (2007). Hydration of alpha-pinene over hydrophobic zeolites in 1,4-dioxane-water and in water. *Microporous and Mesoporous Materials*. 101: 176-183. <http://dx.doi.org/10.1016/j.micromeso.2006.10.022>.
- Mochizuki, H; Sasaki, F; Hotta, S, hu. (2014). Crystallization of thiophene/phenylene co-oligomers by dropping of their solutions into poor solvents. *Thin Solid Films*. 554: 89-94. <http://dx.doi.org/10.1016/j.tsf.2013.08.024>.
- Modarresi-Alam, A, IIR; Dabbagh, HA. (2009). Dynamic H-1-NMR demonstration of anomeric effect and structure: conformational and configurational analysis of N-2-(1,4-dioxane)-N'-(p-methylbenzenesulfonyl)-O-(p-methylphenoxy) isourea. *Turkish Journal of Chemistry*. 33: 607-619. <http://dx.doi.org/10.3906/kim-0901-22>.
- Moe, ST; Ragauskas, AJ. (1999). Oxygen delignification of high-yield kraft pulp part I: Structural properties of residual lignins. *Holzforschung*. 53: 416-422.
- Mogi, R; Inaba, M; Iriyama, Y; Abe, T; Ogumi, Z. (2003). Study on the decomposition mechanism of alkyl carbonate on lithium metal by pyrolysis-gas chromatography-mass spectroscopy. *J Power Sources*. 119: 597-603. [http://dx.doi.org/10.1016/S0378-7753\(03\)00302-1](http://dx.doi.org/10.1016/S0378-7753(03)00302-1).
- Mohamed, NH; Zaky, MT; Farag, AS; Fahmy, AFM. (2008). Separation of paraffin wax using solvent fractionation. *Petroleum Science and Technology*. 26: 562-574. <http://dx.doi.org/10.1080/10916460600809816>.
- Mohammad, A. (1995). SEPARATION OF NICKEL FROM COBALT AS ITS CHLOROSULPHATE ON SILICA-GEL LAYER WITH SOLVENTS CONTAINING FORMIC-ACID. *Indian J Chem Tech*. 2: 233-235.
- Mohammad, A, Ii; Bhawani, SA. (2009). On Plate Resolution and Identification of Three-Component Mixture of Nonionic Surfactants. *Tenside Surfactants Detergents*. 46: 81-84.
- Mohammad, A; Sirwal, YH. (2004). Chromatography of heavy metal cations with formic acid containing mobile phases: Effect of added organic solvents and surfactants on the mobility of cations. *Indian J Chem Tech*. 11: 726-731.
- Mohammadi, A; Manteghian, M; Mohammadi, AH. (2013). Dissociation Data of Semiclathrate Hydrates for the Systems of Tetra-n-butylammonium Fluoride (TBAF) plus Methane plus Water, TBAF plus Carbon Dioxide plus Water, and TBAF plus Nitrogen plus Water. *Journal of Chemical and Engineering Data*. 58: 3545-3550. <http://dx.doi.org/10.1021/je4008519>.
- Mohammadi, A; Manteghian, M; Mohammadi, AH. (2014). Phase equilibria of semiclathrate hydrates for methane plus tetra n-butylammonium chloride (TBAC), carbon dioxide plus TBAC, and nitrogen plus TBAC aqueous solution systems. *Fluid Phase Equilibria*. 381: 102-107. <http://dx.doi.org/10.1016/j.fluid.2014.08.012>.
- Mohammadi, M; Habibi, Z; Dezvarei, S; Yousefi, M; Ashjari, M. (2015). Selective enrichment of polyunsaturated fatty acids by hydrolysis of fish oil using immobilized and stabilized Rhizomucor miehei lipase preparations. *Food Bioprod Process*. 94: 414-421. <http://dx.doi.org/10.1016/j.fbp.2014.05.007>.
- Mohammadi, M; Habibi, Z; Dezyarei, S; Yousefi, M; Samadi, S; Ashjari, M. (2014). Improvement of the stability and selectivity of Rhizomucor miehei lipase immobilized on silica nanoparticles: Selective hydrolysis of fish oil using immobilized preparations. *Process Biochemistry*. 49: 1314-1323. <http://dx.doi.org/10.1016/j.procbio.2014.04.012>.
- Mohammadi-Rovshandeh, J; Abdouss, M; Hoseini, SM; Imani, M; Ekhlasi-Kazaj, K. (2010). Synthesis and Thermal Properties of Novel Biodegradable ABCBA Pentablock Copolymers from Poly (Ethylene glycol), (L)-Lactide and p- Dioxanone. *Iranian Journal of Chemistry and Chemical Engineering (International English Edition)*. 29: 57-65.
- Monneyron, P; Manero, MH; Foussard, JN. (2003). Measurement and modeling of single- and multi-component adsorption equilibria of VOC on high-silica zeolites. *Environ Sci Technol*. 37: 2410-2414. <http://dx.doi.org/10.1021/es026206c>.
- Montebault, V; Folliot, V; Soutif, JC; Brosse, JC. (1994). SYNTHESIS OF CHELATING MOLECULES AS AGENTS FOR MAGNETIC-RESONANCE-IMAGING .2. SYNTHESIS AND COMPLEXING PROPERTIES OF N-ACRYLOYL DIETHYL IMINODIACETATE COPOLYMERS. 22: 81-89.
- Montesanto, S; Brucato, V; La Carrubba, V. (2016). Evaluation of mechanical and morphologic features of PLLA membranes as supports for perfusion cells culture systems. *Mater Sci Eng C*. 69: 841-849. <http://dx.doi.org/10.1016/j.msec.2016.07.030>.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2001). A novel formulation for controlled release of heparin-DOCA conjugate dispersed as nanoparticles in polyurethane film. *Biomaterials*. 22: 281-289.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2002). Improved blood compatibility by sustained release of heparin-deoxycholic acid conjugates in a PCL-PEG multiblock copolymer matrix. *J Biomater Sci Polym Ed*. 13: 817-828.
- Moreau, JL; Kesselman, D; Fisher, JP. (2007). Synthesis and properties of cyclic acetal biomaterials. *J Biomed Mater Res A*. 81: 594-602. <http://dx.doi.org/10.1002/jbm.a.31104>.
- Morgan, KT; Patterson, DL; Gross, EA. (1986). Responses of the nasal mucociliary apparatus of F-344 rats to formaldehyde gas. *Toxicol Appl Pharmacol*. 82: 1-13. [http://dx.doi.org/10.1016/0041-008X\(86\)90431-X](http://dx.doi.org/10.1016/0041-008X(86)90431-X).
- Mori, K; Nakamura, Y; Kaneko, M; Kan, T; Amemiya, T; Suzuki, S; Nakamura, H. (1992). Determination of 1,1,1-trichloroethane and 1,4-dioxane in household aerosol products. *JTTHE*. 38: 511-516.
- Mori, K; Nakamura, Y; Kaneko, M; Kan, T; Nakamura, H. (1993). SIMULTANEOUS DETERMINATION OF 1,1,1-TRICHLOROETHANE AND ITS STABILIZER IN WATER PROOFING AEROSOL PRODUCTS BY DRYSPACE METHOD. *JTTHE*. 39: 317-323.
- Morino, Y; Yamada, Y; Sato, S. (2014). Dehydration of 3-methyl-1,3-butanediol over Al₂O₃ modified with carbon. *Appl Catal A-Gen*. 475: 147-154. <http://dx.doi.org/10.1016/j.apcata.2014.01.027>.
- Morita, T; Hayashi, M. (1998). 1,4-Dioxane is not mutagenic in five in vitro assays and mouse peripheral blood micronucleus assay, but is in mouse liver micronucleus assay. *Environ Mol Mutagen*. 32: 269-280. [http://dx.doi.org/10.1002/\(SICI\)1098-2280\(1998\)32:3<269::AID-EM10>3.0.CO;2-8](http://dx.doi.org/10.1002/(SICI)1098-2280(1998)32:3<269::AID-EM10>3.0.CO;2-8).
- Morris, JJ; Noll, BC; Henderson, KW. (2006). Assembly of 6(3),6(6)-pillared metal-organic bilayers and diamondoid lattices using molecular Li₂O₂ ring dimers as secondary building units. *Cryst Growth Des*. 6: 1071-1073. <http://dx.doi.org/10.1021/cg0600187>.

Exposure Literature Search Results

Off Topic

- Mostafa, NYS. (1994). BASE-CATALYZED DIOXANE AND DIOXANE-BORAX PULPING AND THE FINE-STRUCTURE, CHEMICAL-REACTIVITY AND VISCOSE FILTERABILITY OF COTTON CELLULOSE. *Cellulose Chemistry and Technology*. 28: 171-175.
- Motoyanagi, J; Kurata, A; Minoda, M. (2015). Self-assembly behavior of amphiphilic C₆₀-end-capped poly(vinyl ether)s in water and dissociation of the aggregates by the complexing of the C₆₀ moieties with externally added γ -cyclodextrins. *Langmuir*. 31: 2256-2261. <http://dx.doi.org/10.1021/la504341s>.
- Mounzer, HN; Wood, J; Stitt, EH. (2010). Heterogeneous oxidation of 2-octanol on 5 wt%Pt-1 wt%Bi/Carbon catalyst. *Chem Eng Sci*. 65: 179-185. <http://dx.doi.org/10.1016/j.ces.2009.05.050>.
- Mu, P; Sun, H; Zhu, Z; Liang, W; Liu, J; Li, A, n. (2016). Synthesis and Properties of Nitrogen-Containing Conjugated Microporous Polymers. *Macromolecular Materials & Engineering*. 301: 451-456. <http://dx.doi.org/10.1002/mame.201500383>.
- Mukherjee, K; Mouluk, SP; Mukherjee, DC. (1993). THERMODYNAMICS OF MICELLIZATION OF AEROSOL OT IN POLAR AND NONPOLAR-SOLVENTS - A CALORIMETRIC STUDY. *Langmuir*. 9: 1727-1730.
- Mukherjee, S; Vannice, MA. (2006). Solvent effects in liquid-phase reactions - I. Activity and selectivity during citral hydrogenation on Pt/SiO₂ and evaluation of mass transfer effects. *J Catal*. 243: 108-130. <http://dx.doi.org/10.1016/j.jcat.2006.06.021>.
- Mumick, PS; Hester, RD; McCormick, CL. (1994). WATER-SOLUBLE COPOLYMERS .55. N-ISOPROPYLACRYLAMIDE-CO-ACRYLAMIDE COPOLYMERS IN DRAG REDUCTION - EFFECT OF MOLECULAR-STRUCTURE, HYDRATION, AND FLOW GEOMETRY ON DRAG REDUCTION PERFORMANCE. *Polymer Engineering and Science*. 34: 1429-1439.
- Mun, SP; Hassan, EB; Hassan, M. (2004). Liquefaction of lignocellulosic biomass with dioxane/polar solvent mixtures in the presence of an acid catalyst. *J Ind Eng Chem*. 10: 473-477.
- Mun, SP; Jang, JP. (2009). Liquefaction of cellulose in the presence of phenol using p-toluene sulfonic acid as a catalyst. *J Ind Eng Chem*. 15: 743-747. <http://dx.doi.org/10.1016/j.jiec.2009.09.056>.
- Munirasu, S; Nunes, SP. (2014). Porous asymmetric SiO₂-g-PMMA nanoparticles produced by phase inversion. *Journal of Materials Science*. 49: 7399-7407. <http://dx.doi.org/10.1007/s10853-014-8434-6>.
- Mussini, T; Covington, AK; Cicognini, M; Longhi, P; Rondinini, S. (1982). STANDARD PH VALUES FOR POTASSIUM HYDROGENPHthalate BUFFER SOLUTIONS IN 10, 30, AND 50 WT PER CENT 1,4-DIOXAN WATER MIXTURES AT 25-DEGREES-C. *Ann Chim*. 72: 639-642.
- Mwangi, IW; Ngila, JC; Ndungu, P. (2012). A new spectrophotometric method for determination of residual polydiallyldimethylammonium chloride flocculant in treated water based on a diazotization-coupled ion pair. *Water SA*. 38: 707-714. <http://dx.doi.org/10.4314/wsa.v38i5.8>.
- Nadji, H; Diouf, PN; Benaboura, A; Bedard, Y; Riedl, B; Stevanovic, T. (2009). Comparative study of lignins isolated from Alfa grass (*Stipa tenacissima* L.). *Bioresour Technol*. 100: 3585-3592. <http://dx.doi.org/10.1016/j.biortech.2009.01.074>.
- Nagamine, T; Januszko, A; Kaszynski, P; Ohta, K; Endo, Y. (2006). Mesogenic, optical, and dielectric properties of 5-substituted 2-[12-(4-pentyloxyphenyl)-p-carboran-1-yl] [1,3]dioxanes. *J Mater Chem*. 16: 3836-3843. <http://dx.doi.org/10.1039/b608012j>.
- Nah, JW; Jeong, YI; Koh, JJ. (2000). Drug release from nanoparticles of poly(DL-lactide-co-glycolide). *Korean J Chem Eng*. 17: 230-236.
- Naidu, BVK; Rao, KSV, K; Aminabhavi, TM. (2005). Pervaporation separation of water+1,4-dioxane and water plus tetrahydrofuran mixtures using sodium alginate and its blend membranes with hydroxyethylcellulose - A comparative study. *J Memb Sci*. 260: 131-141. <http://dx.doi.org/10.1016/j.memsci.2005.03.026>.
- Naik, KBK; Raju, S; Kumar, BA; Rao, GN. (2012). Chemical speciation of binary complexes of Pb(II), Cd(II) and Hg(II) with L-glutamic acid in dioxan-water mixtures. *Chem Speciation Bioavailability*. 24: 241-247. <http://dx.doi.org/10.3184/095422912X13494547943184>.
- Nain, AK; Chandra, P; Pandey, JD; Gopal, S. (2008). Densities, Refractive Indices, and Excess Properties of Binary Mixtures of 1,4-Dioxane with Benzene, Toluene, o-Xylene, m-Xylene, p-Xylene, and Mesitylene at Temperatures from (288.15 to 318.15) K. *Journal of Chemical and Engineering Data*. 53: 2654-2665. <http://dx.doi.org/10.1021/je800579j>.
- Nakagawa, H; Takagi, S; Maekawa, J, un. (2016). Fered-Fenton process for the degradation of 1,4-dioxane with an activated carbon electrode: A kinetic model including active radicals. *Chem Eng J*. 296: 398-405. <http://dx.doi.org/10.1016/j.cej.2016.03.090>.
- Nakajima, A; Matsui, S; Yanagida, S; Kameshima, Y; Okada, K. (2009). Preparation and properties of titania-Cs₂5H₀5PW12O₄₀ hybrid films. *Surf Coating Tech*. 203: 1133-1137. <http://dx.doi.org/10.1016/j.surfcoat.2008.10.010>.
- Nakamiya, K; Takagi, H; Nakayama, T; Ito, H; Tsuruga, H; Edmonds, JS; Morita, M. (2005). Microbial production and vaporization of mono-(2-ethylhexyl) phthalate from di-(2-ethylhexyl) phthalate by microorganisms inside houses. *Arch Environ Occup Health*. 60: 321-325. <http://dx.doi.org/10.3200/AEOH.60.6.321>.
- Nakanishi, T; Shen, Y; Wang, J; Li, H; Fernandes, P; Yoshida, K; Yagai, S; Takeuchi, M; Ariga, K; Kurth, DG; Moehwald, H. (2010). Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. *J Mater Chem*. 20: 1253-1260. <http://dx.doi.org/10.1039/b916612b>.
- Nakano, S. (1999). Polycarbonate-modified acrylic polymers for coating materials. *Progr Org Coating*. 35: 141-151.
- Nakao, H; Hyon, SH; Tsutsumi, S; Matsumoto, T; Takahashi, J. (2003). Control of pore size in L-lactide/epsilon-caprolactone copolymer foams for tissue regeneration by the freeze-drying method. *Dent Mater J*. 22: 262-271.
- Nam, YS; Park, TG. (1999). Porous biodegradable polymeric scaffolds prepared by thermally induced phase separation. *J Biomed Mater Res*. 47: 8-17.
- Namkung, KC; Aris, A; Sharratt, PN. (2004). Characterization of effects of selected organic substances on decomposition of hydrogen peroxide during Fenton reaction. *Water Sci Technol*. 49: 129-134.
- Narain, R; Gonzales, M; Hoffman, AS; Stayton, PS; Krishnan, KM. (2007). Synthesis of monodisperse biotinylated p(NIPAAm)-coated iron oxide magnetic nanoparticles and their bioconjugation to streptavidin. *Langmuir*. 23: 6299-6304. <http://dx.doi.org/10.1021/la700268g>.
- Narke, CS; Math, KS. (1979). ANION-EXCHANGE SELECTIVITY IN WATER-DIOXANE MEDIUM. *Separation Science and Technology*. 14: 55-67.

Exposure Literature Search Results

Off Topic

- NAS. (2003). Food chemicals codex Polysorbate 20 (5th ed.). Washington, DC. http://www.nap.edu/catalog.php?record_id=10731.
- Nastasovic, AB; Ignjatovic, NL; Uskokovic, DP; Markovic, DD; Ekmescic, BM; Maksin, DD; Onjia, AE. (2014). Determination of thermodynamic interactions of polylactide and biphasic calcium phosphate/polylactide composite by inverse gas chromatography at infinite dilution. *Journal of Materials Science*. 49: 5076-5086. <http://dx.doi.org/10.1007/s10853-014-8214-3>.
- Nath, B; Baruah, JB. (2012). Quasi-Isostructural Solvates of Bis(4-hydroxy-3,5-dimethylphenyl)(4-N,N-dimethylaminophenyl)methane. *Cryst Growth Des*. 12: 6173-6180. <http://dx.doi.org/10.1021/cg3013427>.
- Nath, B; Baruah, JB. (2013). Polymorphs, Solvates, Polymorphs of Solvate and Cs+ π Interactions of Fluorine-Substituted bis-Phenols. *Cryst Growth Des*. 13: 5146-5155. <http://dx.doi.org/10.1021/cg401220x>.
- Nath, J; Pandey, JG. (1996). Excess molar volumes, relative permittivities, and refractive indexes of 1,1,2,2-tetrachloroethane plus pyridine, plus anisole, plus methyl ethyl ketone, and plus 1,4-dioxane at 303.15 K. *Journal of Chemical and Engineering Data*. 41: 844-847.
- Nath, J; RASHMI. (1990). EXCESS VOLUMES FOR BINARY-LIQUID MIXTURES OF 1,4-DIOXANE WITH METHYLENE-CHLORIDE, 1,2-DICHLOROETHANE, TRICHLOROETHYLENE, TETRACHLOROETHYLENE AND CYCLOHEXANE AT VARIOUS TEMPERATURES. *Fluid Phase Equilibria*. 58: 319-324.
- Nawwar, G; Yakout, S; El-Sadieq, MSA; El-Sabbagh, S. (2011). Synthesis and evaluation of new antioxidants for styrene butadiene rubber. *Pigment & Resin Technology*. 40: 399-409. <http://dx.doi.org/10.1108/03699421111180554>.
- Nayak, JN; Aralaguppi, MI; Aminabhavi, TM. (2003). Density, Viscosity, Refractive Index, and Speed of Sound in the Binary Mixtures of 1,4-Dioxane + Ethyl Acetoacetate, + Diethyl Oxalate, + Diethyl Phthalate, or + Dioctyl Phthalate at 298.15, 303.15, and 308.15 K. *Journal of Chemical and Engineering Data*. 48: 1489-1494. <http://dx.doi.org/10.1021/je0301489>.
- Nayak, JN; Aralaguppi, MI; Aminabhavi, TM. (2003). Density, viscosity, refractive index, and speed of sound in the binary mixtures of 1,4-dioxane plus ethanediol, plus hexane, plus tributylamine, or plus triethylamine at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 48: 1152-1156. <http://dx.doi.org/10.1021/je030107c>.
- Nayak, JN; Aralaguppi, MI; Naidu, BVK; Aminabhavi, TM. (2004). Thermodynamic properties of water plus tetrahydrofuran and water plus 1,4-dioxane mixtures at (303.15, 313.15, and 323.15) K. *Journal of Chemical and Engineering Data*. 49: 468-474.
- Nazari, S; Ghandi, K. (2015). GREEN METHODS FOR OXIDATION OF AN AROMATIC DIKETONE TO AN AROMATIC ANHYDRIDE: OXIDATION OF ACEANTHRAQUINONE. *Fresen Environ Bull*. 24: 1350-1355.
- Nedelchev, S. (2017). Theoretical prediction of mass transfer coefficients in both gas-liquid and slurry bubble columns. *Chem Eng Sci*. 157: 169-181. <http://dx.doi.org/10.1016/j.ces.2016.06.047>.
- Nedelchev, S; Jordan, U, we; Schumpe, A. (2006). Correction of the penetration theory applied to the prediction of k(L)a in a bubble column with organic liquids. *Chem Eng Tech*. 29: 1113-1117. <http://dx.doi.org/10.1002/ceat.200600158>.
- Nedelchev, S; Jordan, U; Schumpe, A. (2010). SEMI-THEORETICAL PREDICTION OF VOLUMETRIC MASS TRANSFER COEFFICIENTS IN BUBBLE COLUMNS WITH ORGANIC LIQUIDS AT AMBIENT AND ELEVATED TEMPERATURES. *Can J Chem Eng*. 88: 523-532. <http://dx.doi.org/10.1002/cjce.20309>.
- Nelson, DA; Duncan, JB; Jensen, GA; Burton, SD. (1996). Isotopomeric water separations with supported polyphosphazene membranes. *J Memb Sci*. 112: 105-113.
- Nelson, H; Ihrig, A; Kahlau, R; Kibies, P; Kast, SM; Bohmer, R. (2015). Deuteron magnetic resonance and dielectric studies of guest reorientation and water dynamics in six clathrate hydrates containing ring-type guests. *Journal of Non-Crystalline Solids*. 407: 431-440. <http://dx.doi.org/10.1016/j.jnoncrysol.2014.08.059>.
- Nemeth, K; Faix, O. (1994). MONITORING OF THE PHOTODEGRADATION OF WOOD BY QUANTITATIVE DRIFT SPECTROSCOPY. *Holz als Roh- und Werkstoff*. 52: 261-266.
- Neto, CP; Seca, A; Nunes, AM; Coimbra, MA; Domingues, F; Evtuguin, D; Silvestre, A; Cavaleiro, JAS. (1997). Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity stages of *Arundo donax*. *Ind Crop Prod*. 6: 51-58.
- Neumann, HG; Vamvakas, S; Thielmann, HW; Gelbke, HP; Filser, JG; Reuter, U; Greim, H; Kappus, H; Norpoth, KH; Wardenbach, P; Wichmann, HE. (1998). Changes in the classification of carcinogenic chemicals in the work area - Section III of the German List of MAK and BAT Values. *Int Arch Occup Environ Health*. 71: 566-574.
- Neves, P; Russo, PA; Fernandes, A; Antunes, MM; Farinha, J; Pillinger, M; Ribeiro, MF; Castanheiro, JE; Valente, AA. (2014). Mesoporous zirconia-based mixed oxides as versatile acid catalysts for producing bio-additives from furfuryl alcohol and glycerol. *Appl Catal A-Gen*. 487: 148-157. <http://dx.doi.org/10.1016/j.apcata.2014.08.042>.
- New Hampshire DES. (2011). Environmental fact sheet: 1,4-dioxane and drinking water [Fact Sheet]. (WD-DWGB-3-24). Concord, NH. <http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/documents/dwgb-3-24.pdf>.
- Nguyen, L; Nakatani, K; Journet, B. (2010). Refractive Index Measurement by Using an Optoelectronic Oscillator. *I E E E Photonics Technology Letters*. 22: 857-859. <http://dx.doi.org/10.1109/LPT.2010.2046028>.
- Nguyen, ML; Goh, KM. (1992). EVALUATION OF METHODS FOR DETERMINING S-35 AND S-32 IN THE SAME TRAPPING SOLUTION OF JOHNSON AND NISHITA METHOD. *Commun Soil Sci Plant Anal*. 23: 1893-1910.
- Nguyen, TPN; Yun, E; Kim, I, nC; Kwon, Y. (2013). Preparation of cellulose triacetate/cellulose acetate (CTA/CA)-based membranes for forward osmosis. *J Memb Sci*. 433: 49-59. <http://dx.doi.org/10.1016/j.memsci.2013.01.027>.
- Ni, YH; Ooi, T. (1996). Laboratory study on bleaching softwood kraft pulp by a totally chlorinefree process including the novel ozone bleaching. *Tappi Journal*. 79: 167-172.

Exposure Literature Search Results

Off Topic

- Niazi, A, Ii; Yazdanipour, A; Ghasemi, J; Amini, A; Bozorgzad, S; Kubista, M. (2008). Spectrophotometric investigation of the acidity constants of fluorescein in various water-organic solvent media. *Chemical Engineering Communications*. 195: 1257-1268. <http://dx.doi.org/10.1080/00986440801943677>.
- Nie, Q; Wang, JK. (2005). Solubility of 16 alpha,17 alpha-epoxyprogesterone in six different solvents. *Journal of Chemical and Engineering Data*. 50: 1750-1752. <http://dx.doi.org/10.1021/je050195w>.
- Nigiz, FU; Dogan, H; Hilmioğlu, ND. (2012). Pervaporation of ethanol/water mixtures using clinoptilolite and 4A filled sodium alginate membranes. *Desalination*. 300: 24-31. <http://dx.doi.org/10.1016/j.desal.2012.05.036>.
- NIOSH. (2004). NIOSH pocket guide to chemical hazards: Dioxane. Cincinnati, OH. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- NIOSH. (2010). Dioxane. Atlanta, GA. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- Nirmal, JD; Pandya, VP; Desai, NV; Rangarajan, R. (1992). CELLULOSE TRIACETATE MEMBRANE FOR APPLICATIONS IN PLATING, FERTILIZER, AND TEXTILE DYE INDUSTRY WASTES. *Separation Science and Technology*. 27: 2083-2098.
- Nishikawa, H; Morimoto, T; Kodama, T; Ikemoto, I; Kikuchi, K; Yamada, J; Yoshino, H; Murata, K. (2003). New organic superconductors from a donor with reduced pi-system. *Synthetic Metals*. 133: 193-195.
- Nishikawa, H; Sato, T; Kodama, T; Ikemoto, I; Kikuchi, K; Anzai, H; Yamada, J. (1999). Preparation and properties of DOET derivatives and their salts. *Synthetic Metals*. 102: 1695-1695.
- Niu, H; Zhang, L; Gao, M; Chen, Y. (2005). Amphiphilic ABC triblock copolymer-assisted synthesis of core/shell structured CdTe nanowires. *Langmuir*. 21: 4205-4210. <http://dx.doi.org/10.1021/la046883f>.
- Niu, X; Fan, Y; Liu, X; Li, X; Li, P; Wang, J; Sha, Z; Feng, Q. (2011). Repair of bone defect in femoral condyle using microencapsulated chitosan, nanohydroxyapatite/collagen and poly(L-lactide)-based microsphere-scaffold delivery system. *Artif Organs*. 35: E119-E128. <http://dx.doi.org/10.1111/j.1525-1594.2011.01274.x>.
- Niu, Y; Gao, F, ei; Sun, S; Xiao, J; Wei, X. (2013). Solubility of dilute SO₂ in 1,4-dioxane, 15-crown-5 ether, polyethylene glycol 200, polyethylene glycol 300, and their binary mixtures at 308.15 K and 122.66 kPa. *Fluid Phase Equilibria*. 344: 65-70. <http://dx.doi.org/10.1016/j.fluid.2013.01.008>.
- Noh, HJ; Park, S, oJin; In, S, eJin. (2010). Excess molar volumes and deviations of refractive indices at 298.15 K for binary and ternary mixtures with pyridine or aniline or quinoline. *J Ind Eng Chem*. 16: 200-206. <http://dx.doi.org/10.1016/j.jiec.2010.01.038>.
- Nojima, K; Isogami, C; Kobashi, M. (1994). APPLICATION OF 4-PHENYL-1,2,-4-TRIAZOLINE-3,5-DIONE FOR THE ANALYSIS OF SORBIC ACID IN FOODS. *JTHE*. 40: 467-471.
- Nonaka, T; Takeda, S. (1996). Transport of metal ions through cation exchange membranes containing episulfide (or thiol) groups and/or triethylenetetramine side chains. *J Memb Sci*. 121: 137-148.
- Nose, T; Yokoyama, Y; Takezaki, H; Hanaoka, Y. (2014). Treatment of 1,4-Dioxane by Pulsed Discharge Plasma in Air with Water Droplets Spray. *Kagaku Kogaku Ronbunshu*. 40: 27-30. <http://dx.doi.org/10.1252/kakoronbunshu.40.27>.
- Novaki, LP; El Seoud, OA. (2000). Microscopic polarities of interfacial regions of aqueous cationic micelles: Effects of structures of the solvatochromic probe and the surfactant. *Langmuir*. 16: 35-41.
- Nowaczyk-Organista, M; Pradzynski, W. (2012). DISCOLOURATION OF DIOXANE LIGNIN ISOLATED FROM OAK WOOD (QUERCUS ROBUR L.) AND SWEET CHERRY WOOD (PRUNUS AVIUM L.) IRRADIATED WITH VARIOUS LIGHT SOURCES. 57: 515-522.
- NRC. (1983). Risk Assessment in the Federal Government: Managing the Process. Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/366>.
- NRC. (1994). Science and judgment in risk assessment (pp. 672). Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/2125>.
- NRC. (2009). Science and decisions: Advancing risk assessment. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/12209>.
- NRC. (2011). National Academies Press Review of the Environmental Protection Agency's draft IRIS assessment of formaldehyde. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/13142>.
- Nukaga, N; Ono, H; Shida, T; Machida, H; Suzuki, T; Funakubo, H. (2002). Preparation of SrBi₂Ta₂O₉ thin films by liquid-delivery MOCVD without additional solvents. *Integrated Ferroelectrics*. 45: 215-222. <http://dx.doi.org/10.1080/10584580190044137>.
- Nunes, SP; Karunakaran, M; Pradeep, N; Behzad, AR; Hooghan, B; Sougrat, R; He, H; Peinemann, KV. (2011). From micelle supramolecular assemblies in selective solvents to isoporous membranes. *Langmuir*. 27: 10184-10190. <http://dx.doi.org/10.1021/la201439p>.
- O'Brien, AM; O'Fagain, C. (2000). Dye bleaching and phenol precipitation by phthalic anhydride-modified horseradish peroxidase. *J Chem Tech Biotechnol*. 75: 363-368.
- Ocana, DC; Martinezvidal, JL; Salinas, F. (1990). INFLUENCE OF THE DIELECTRIC-CONSTANT IN DIOXANE WATER MEDIA ON THE DISSOCIATION-CONSTANTS OF N-PHENYL-ACETYL-MANDELOHYDROXAMIC ACID. *Ann Chim*. 80: 473-480.
- O'Farrell, CE; Waghorne, WE. (2010). Henry's Law Constants of Organic Compounds in Water and n-Octane at T=293.2 K. *Journal of Chemical and Engineering Data*. 55: 1655-1658. <http://dx.doi.org/10.1021/je900711h>.
- Ogawa, H; Murakami, S; Takigawa, T; Ohba, M. (1997). Thermodynamic properties of rigid polycyclic molecules. 1: Enthalpies of solution of fused ring polycyclic aromatic hydrocarbons. *Fluid Phase Equilibria*. 136: 279-287.
- Ogawa, M; Takizawa, Y. (1999). Intercalation of alkylammonium cations into a layered titanate in the presence of macrocyclic compounds. *Chem Mater*. 11: 30-+.
- Oghbaie, M; Mirshokraie, SA; Massoudi, AH. (2015). Investigating the Stereochemistry of alpha-Carbon in Lignin Preparations and Lignin Model Compounds Using Se-77 NMR. *BioResources*. 10: 2506-2510. <http://dx.doi.org/10.15376/biores.10.2.2506-2510>.

Exposure Literature Search Results

Off Topic

- Okaji, R; Sakashita, S; Tazumi, K; Taki, K; Nagamine, S; Ohshima, M. (2013). Interconnected pores on the walls of a polymeric honeycomb monolith structure created by the unidirectional freezing of a binary polymer solution. *Journal of Materials Science*. 48: 2038-2045. <http://dx.doi.org/10.1007/s10853-012-6973-2>.
- Okamoto, K; Kita, H; Horii, K; Tanaka, K; Kondo, M. (2001). Zeolite NaA membrane: Preparation, single-gas permeation, and pervaporation and vapor permeation of water/organic liquid mixtures. *Ind Eng Chem Res*. 40: 163-175.
- Oliveira, AC; Coelho, MG; Pires, RF; Franco, MR, Jr. (2007). Solubility of benzoic acid in mixed solvents. *Journal of Chemical and Engineering Data*. 52: 298-300. <http://dx.doi.org/10.1021/je060408x>.
- Oliveira, L; Eutuguin, D; Cordeiro, N; Silvestre, AJD. (2009). Structural characterization of stalk lignin from banana plant. *Ind Crop Prod*. 29: 86-95. <http://dx.doi.org/10.1016/j.indcrop.2008.04.012>.
- Oliveira, L; Evtuguin, DV; Cordeiro, N; Silvestre, AJ; Silva, AM; Torres, IC. (2006). Structural characterization of lignin from leaf sheaths of "dwarf cavendish" banana plant. *J Agric Food Chem*. 54: 2598-2605. <http://dx.doi.org/10.1021/jf0528310>.
- Omori, S; Aoyama, M; Sakakibara, A. (1998). Hydrolysis of lignin with dioxane-water XIX. Reaction of beta-0-4 lignin model compounds in the presence of carbohydrates. *Holzforschung*. 52: 391-397.
- Onciu, M. (2007). Synthesis and characterization of novel aromatic polyamides containing pendent coumarin groups. *J Optoelect Adv Mater*. 9: 1014-1018.
- Ondo, D; Dohnal, V. (2007). Temperature dependence of limiting activity coefficients and Henry's law constants of cyclic and open-chain ethers in water. *Fluid Phase Equilibria*. 262: 121-136. <http://dx.doi.org/10.1016/j.fluid.2007.08.013>.
- O'Neil, MJ; Smith, A; Heckelman, PE; Obenchain, JR, Jr; Gallipeau, JAR; D'Arecca, MA. (2001). The Merck index: An encyclopedia of chemicals, drugs, and biologicals. In MJ O'Neil; A Smith; PE Heckelman; JR Obenchain; JR Gallipeau; MA D'Arecca (Eds.), (13th ed., pp. 305-306). Whitehouse Station, NJ: Merck & Co., Inc. <http://dx.doi.org/10.1021/ci700022n>.
- Ong, R; Chung, T. (2012). Fabrication and positron annihilation spectroscopy (PAS) characterization of cellulose triacetate membranes for forward osmosis. *J Memb Sci*. 394: 230-240. <http://dx.doi.org/10.1016/j.memsci.2011.12.046>.
- Ong, YT; Ahmad, AL; Zein, SHS; Sudesh, K; Tan, SH. (2011). Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. *Separation and Purification Technology*. 76: 419-427. <http://dx.doi.org/10.1016/j.seppur.2010.11.013>.
- Oniki, T. (1998). Origin of free radicals produced from the syringyl end groups in lignins. *J Wood Sci*. 44: 314-319.
- Oniki, T; Takahama, U. (1994). EFFECTS OF REACTION-TIME, CHEMICAL-REDUCTION, AND OXIDATION ON ESR IN AQUEOUS-SOLUTIONS OF HUMIC ACIDS. *Soil Sci*. 158: 204-210.
- Oniki, T; Takahama, U. (1997). Free radicals produced by the oxidation of compounds containing syringyl and guaiacyl groups. 43: 493-498.
- Oniki, T; Takahama, U. (1997). Free radicals produced by the oxidation of dioxane lignins. 43: 499-503.
- Oomori, T; Kitano, Y. (1987). SYNTHESIS OF PROTODOLOMITE FROM SEA-WATER CONTAINING DIOXANE. *Geochemical Journal*. 21: 59-65.
- Ooyama, HE; Ide, T; Yamasaki, H; Harada, A; Nagahama, Y; Ono, A; Yoshida, K. (2012). Photophysical properties and photostability of novel symmetric polycyclicphenazine-type fluorescent dyes and the dye-doped films. *Dyes and Pigments*. 94: 103-112. <http://dx.doi.org/10.1016/j.dyepig.2011.11.010>.
- Ooyama, Y; Egawa, H; Yoshida, K. (2009). The design of a novel fluorescent PET sensor for proton and water: A phenylaminonaphtho[1,2-d]oxazol-2-yl-type fluorophore containing proton donor and acceptor groups. *Dyes and Pigments*. 82: 58-64. <http://dx.doi.org/10.1016/j.dyepig.2008.11.002>.
- Oppenlaender, T. (2007). Mercury-free sources of VUV/UV radiation: application of modern excimer lamps (excilamps) for water and air treatment. *J Environ Eng Sci*. 6: 253-264. <http://dx.doi.org/10.1139/S06-059>.
- Orabi, AS; Azab, HA. (1997). Potentiometric determination of the apparent dissociation constants of 3-(cyclohexylamino)-1-propanesulfonic acid and 3-(cyclohexylamino)-2-hydroxy-1-propanes acid in various hydroorganic media. *Journal of Chemical and Engineering Data*. 42: 1219-1223.
- Oromi-Farrus, M; Villorbina, G; Eras, J; Gatius, F; Torres, M; Canela, R. (2010). Determination of the iodine value of biodiesel using H-1 NMR with 1,4-dioxane as an internal standard. *Fuel*. 89: 3489-3492. <http://dx.doi.org/10.1016/j.fuel.2010.06.016>.
- Orzechowski, K; Szala, A. (2007). Non-linear dielectric effect in ice clathrates. *Journal of Non-Crystalline Solids*. 353: 4533-4535. <http://dx.doi.org/10.1016/j.jnoncrysol.2007.01.088>.
- OSHA. (2004). Air contaminants: occupational safety and health standards for shipyard employment. (29 CFR 1915.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10286.
- OSHA. (2004). Appendix A. Safety and health regulations for construction: Gases, vapors, fumes, dusts, and mists. (29 CFR 1926.55, Appendix A). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10629.
- OSHA. (2004). Table Z-1: Limits for air contaminants. Occupational safety and health standards. (29 CFR 1910.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992.
- Oskoei, AG; Safaei, N; Ghasemi, J. (2008). Densities and viscosities for binary and ternary mixtures of 1, 4-dioxane plus 1-hexanol plus N,N-dimethylaniline from T = (283.15 to 343.15) K. *Journal of Chemical and Engineering Data*. 53: 343-349. <http://dx.doi.org/10.1021/je700344f>.
- Oswal, SL; Oswal, P; Dave, JP. (1994). V(E) OF MIXTURES CONTAINING ALKYL ACETATE, OR ETHYL ALKANOATE, OR ETHYL BROMOALKANOATE WITH N-HEXANE. *Fluid Phase Equilibria*. 98: 225-234.
- Otsuka, T; Okuno, T; Awaga, K; Inabe, T. (1998). Crystal structures and magnetic properties of acid-base molecular complexes, (p-pyridyl nitronylNitroxide)(2)X (X = hydroquinone, fumaric acid and squaric acid). *J Mater Chem*. 8: 1157-1163.

Exposure Literature Search Results

Off Topic

- Ottani, S; Vitalini, D; Comelli, F; Castellari, C. (2002). Densities, viscosities, and refractive indices of poly(ethylene glycol) 200 and 400 plus cyclic ethers at 303.15 K. *Journal of Chemical and Engineering Data*. 47: 1197-1204. <http://dx.doi.org/10.1021/je020030c>.
- Otto, W; STREICHE, R; Schugerl, K. (1973). INFLUENCE OF SURFACE-ACTIVE AGENTS ON MASS-TRANSFER ACROSS LIQUID-LIQUID INTERFACES .1. DIOXANE-TOLUENE-WATER-SYSTEM. *Chem Eng Sci*. 28: 1777-1788.
- Ou, YX; Chen, B; Yan, H; Jia, HP; Li, JJ; Dong, S. (1995). DEVELOPMENT OF ENERGETIC ADDITIVES FOR PROPELLANTS IN CHINA. *Journal of Propulsion and Power*. 11: 838-847.
- Ouyang, P; Chen, G, uoXu; Li, H, uaF; Zhao, L, iTao. (2010). The tribological properties of (quinazolin-4-ones)-3-methyl-dibutyl borate as a novel additive in liquid paraffin. *Lubrication Science*. 22: 209-214. <http://dx.doi.org/10.1002/lis.130>.
- Ouyang, X; Ruan, T, ao; Qiu, X. (2016). Effect of solvent on hydrothermal oxidation depolymerization of lignin for the production of monophenolic compounds. *Fuel Process Tech*. 144: 181-185. <http://dx.doi.org/10.1016/j.fuproc.2015.12.019>.
- Ovens, JS; Leznoff, DB. (2015). Raman Detected Sensing of Volatile Organic Compounds by Vapochromic Cu[AuX₂(CN)₂](₂) (X = Cl, Br) Coordination Polymer Materials. *Chem Mater*. 27: 1465-1478. <http://dx.doi.org/10.1021/cm502998w>.
- Overton, JH; Kimbell, JS; Miller, FJ. (2001). Dosimetry modeling of inhaled formaldehyde: The human respiratory tract. *Toxicol Sci*. 64: 122-134.
- Ozawa, S; Sasaya, T. (1991). EXTRACTIVES OF TODOMATSU ABIES-SACHALINENSIS MASTERS .9. BRAUNS LIGNIN OF TODOMATSU ABIES-SACHALINENSIS. 37: 847-851.
- Paa, W; Yang, JP; Rentsch, S. (2001). Ultrafast intersystem crossing in thiophene oligomers investigated by fs-pump-probe spectroscopy. *Synthetic Metals*. 119: 525-526.
- Pahlavanzadeh, H; Kamran-Pirzaman, A; Mohammadi, AH. (2012). Thermodynamic modeling of pressure-temperature phase diagrams of binary clathrate hydrates of methane, carbon dioxide or nitrogen plus tetrahydrofuran, 1,4-dioxane or acetone. *Fluid Phase Equilibria*. 320: 32-37. <http://dx.doi.org/10.1016/j.fluid.2012.01.010>.
- Pajevic, S; Bansil, R; Konak, C. (1991). DIFFUSION OF LINEAR POLYMER-CHAINS IN GELS. *Journal of Non-Crystalline Solids*. 131: 630-634.
- Pal, A; Singh, W. (1996). Excess molar volumes of linear and cyclic ethers plus chloroethenes at 298.15 K. *Journal of Chemical and Engineering Data*. 41: 428-430.
- Palkhiwala, AG; Lin, YH; Perlmutter, DD; Olson, DH. (1999). Liquid phase separation of polar hydrocarbons from light aromatics using zeolites. *Adsorption*. 5: 399-407.
- Paluch, AS; Cryan, D, anD III; Maginn, EJ. (2011). Predicting the Solubility of the Sparingly Soluble Solids 1,2,4,5-Tetramethylbenzene, Phenanthrene, and Fluorene in Various Organic Solvents by Molecular Simulation. *Journal of Chemical and Engineering Data*. 56: 1587-1595. <http://dx.doi.org/10.1021/je101251n>.
- Pan, A; Naskar, B; Prameela, GKS; Kumar, BVN, P; Mandal, AB; Bhattacharya, SC; Moulik, SP. (2012). Amphiphile Behavior in Mixed Solvent Media I: Self-Aggregation and Ion Association of Sodium Dodecylsulfate in 1,4-Dioxane-Water and Methanol-Water Media. *Langmuir*. 28: 13830-13843. <http://dx.doi.org/10.1021/la303281d>.
- Papanastasiou, GE; Ziogas, II. (1991). PHYSICAL BEHAVIOR OF SOME REACTION MEDIA - DENSITY, VISCOSITY, DIELECTRIC-CONSTANT, AND REFRACTIVE-INDEX CHANGES OF ETHANOL CYCLOHEXANE MIXTURES AT SEVERAL TEMPERATURES. *Journal of Chemical and Engineering Data*. 36: 46-51.
- Park, D, aeHo. (2007). A new process for fabricating nanodot arrays on selective regions with diblock copolymer thin film. *Nanotechnology*. 18. <http://dx.doi.org/10.1088/0957-4484/18/36/365303>.
- Park, H; Kwon, O; Ryu, K. (2015). Thermal stability and degradation kinetics of polyphenols and polyphenylenediamines enzymatically synthesized by horseradish peroxidase. *Korean J Chem Eng*. 32: 1847-1852. <http://dx.doi.org/10.1007/s11814-015-0011-4>.
- Park, JH; Hussam, A; Couasnon, P; Fritz, D; Carr, PW. (1987). Experimental reexamination of selected partition coefficients from Rohrschneider's data set. *Anal Chem*. 59: 1970-1976. <http://dx.doi.org/10.1021/ac00142a016>.
- Park, JY; Lee, CH; Yoo, KP; Lim, JS. (2005). The effect of adding organic solvents on the phase behavior in water/surfactant/scCO₂ microemulsion in supercritical state. *Key Eng Mater*. 277-279: 886-892.
- Park, KH, ee; Mondal, S; Ghosh, S; Das, S; Bhaumik, A. (2016). Enhanced efficiency in dye-sensitized solar cells based on mesoporous titanium phosphate photoanode. *Microporous and Mesoporous Materials*. 225: 255-260. <http://dx.doi.org/10.1016/j.micromeso.2015.11.059>.
- Park, T; Rettich, TR; Battino, R; Wilhelm, E. (1987). BINARY GASEOUS-DIFFUSION COEFFICIENTS .6. CHLOROBENZENE, 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, 1,1,1-TRICHLOROETHANE, TETRACHLOROETHENE, 1,4-DIOXANE AND OCTAMETHYLCYCLOTETRAILOXANE WITH AIR AT 1-ATM AND 283-K TO 343-K. *Mater Chem Phys*. 16: 397-410.
- Partoon, B; Sabil, KM; Roslan, H; Lal, B; Keong, L, auKok. (2016). Impact of acetone on phase boundary of methane and carbon dioxide mixed hydrates. *Fluid Phase Equilibria*. 412: 51-56. <http://dx.doi.org/10.1016/j.fluid.2015.12.027>.
- Partsevskaya, SV; Zheltonozhskaya, TB; Permyakova, NM; Kolendo, AY. (2011). Biocompatible and biodegradable MOPEO-b-PCL diblock copolymer micelles as nanocontainers for drugs. *Materwiss Werksttech*. 42: 123-130. <http://dx.doi.org/10.1002/mawe.201100743>.
- Pasquini, D; Pimenta, MTB; Ferreira, LH; Curvelo, AAD. (2005). Extraction of lignin from sugar cane bagasse and Pinus taeda wood chips using ethanol-water mixtures and carbon dioxide at high pressures. *Journal of Supercritical Fluids*. 36: 31-39. <http://dx.doi.org/10.1016/j.supflu.2005.03.004>.
- Pasquini, D; Pimenta, MTB; Ferreira, LH; Curvelo, AAS. (2005). Sugar cane bagasse pulping using supercritical CO₂ associated with co-solvent 1-butanol/water. *Journal of Supercritical Fluids*. 34: 125-131. <http://dx.doi.org/10.1016/j.supflu.2004.11.005>.
- Patil, MB; Veerapur, RS; Bhat, SD; Madhusoodana, CD; Aminabhavi, TM. (2009). Hybrid composite membranes of sodium alginate for pervaporation dehydration of 1,4-dioxane and tetrahydrofuran. *Desalination and Water Treatment*. 3: 11-20.

Exposure Literature Search Results

Off Topic

- Patil, RD; Joshi, G; Adimurthy, S. (2010). HBr-H₂O₂: A Facile Protocol for Regioselective Synthesis of Bromohydrins and alpha-Bromoketones and Oxidation of Benzylic/Secondary Alcohols to Carbonyl Compounds under Mild Aqueous Conditions. *Ind Eng Chem Res.* 49: 8100-8105. <http://dx.doi.org/10.1021/ie100492r>.
- Patton, S; Li, W, ei; Couch, KD; Mezyk, SP; Ishida, KP; Liu, H. (2017). Impact of the Ultraviolet Photolysis of Monochloramine on 1,4-Dioxane Removal: New Insights into Potable Water Reuse. *Environ Sci Technol Lett.* 4: 26-30. <http://dx.doi.org/10.1021/acs.estlett.6b00444>.
- Patwardhan, AP; Thompson, DH. (2000). Novel flexible and rigid tetraether acyclic and macrocyclic bisphosphocholines: Synthesis and monolayer properties. *Langmuir.* 16: 10340-10350.
- Pavia, FC; La Carrubba, V; Brucato, V. (2009). TUNING OF BIODEGRADATION RATE OF PLLA SCAFFOLDS VIA BLENDING WITH PLA. *International Journal of Material Forming.* 2: 713-716. <http://dx.doi.org/10.1007/s12289-009-0574-x>.
- Pavia, FC; La Carrubba, V; Brucato, V; Ghersi, G. (2009). TAILORING PLLA SCAFFOLDS FOR TISSUE ENGINEERING APPLICATIONS: MORPHOLOGIES FOR 2D AND 3D CELL CULTURES. *International Journal of Material Forming.* 2: 717-720. <http://dx.doi.org/10.1007/s12289-009-0546-1>.
- Pavia, FC; La Carrubba, V; Piccarolo, S; Brucato, V. (2008). Polymeric scaffolds prepared via thermally induced phase separation: tuning of structure and morphology. *J Biomed Mater Res A.* 86: 459-466. <http://dx.doi.org/10.1002/jbm.a.31621>.
- Pavlov, OS; Karsakov, SA; Pavlov, SY, u. (2011). A new technology for the production of isoprene from isobutene-containing C-4 fractions and formaldehyde: Prospects for industrial reconstruction. *Theoretical Foundations of Chemical Engineering.* 45: 487-491. <http://dx.doi.org/10.1134/S0040579510051264>.
- Pawlowicz, R. (2012). The electrical conductivity of seawater at high temperatures and salinities. *Desalination.* 300: 32-39. <http://dx.doi.org/10.1016/j.desa.2012.06.001>.
- Peleteiro, S; da Costa Lopes, AM; Garrote, G, il; Parajo, JC; Bogel-Lukasik, R. (2015). Simple and Efficient Furfural Production from Xylose in Media Containing 1-Butyl-3-Methylimidazolium Hydrogen Sulfate. *Ind Eng Chem Res.* 54: 8368-8373. <http://dx.doi.org/10.1021/acs.iecr.5b01771>.
- Penas, A; Calvo, E; Pintos, M; Amigo, A; Bravo, R. (2000). Refractive indices and surface tensions of binary mixtures of 1,4-dioxane plus n-alkanes at 298.15 K. *Journal of Chemical and Engineering Data.* 45: 682-685.
- Perestrelo, R; Barros, AS; Câmara, JS; Rocha, SM. (2011). In-depth search focused on furans, lactones, volatile phenols, and acetals as potential age markers of Madeira wines by comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry combined with solid phase microextraction. *J Agric Food Chem.* 59: 3186-3204. <http://dx.doi.org/10.1021/jf104219t>.
- Pérez-Prior, MT; Manso, JA; García-Santos, M; Calle, E; Casado, J. (2005). Alkylating potential of potassium sorbate. *J Agric Food Chem.* 53: 10244-10247. <http://dx.doi.org/10.1021/jf052152p>.
- Perra, B; Haluk, JP; Metche, M. (1993). EXTRACTION OF SUBERIN AND LIGNIN FROM BEECH BARKS (FAGUS-SYLVATICA L). *Holzforschung.* 47: 486-490.
- Perra, B; Haluk, JP; Metche, M. (1995). IR,H-1 AND C-13 NMR SPECTROSCOPIC STUDIES OF SUBERIN FROM BEECH BARKS (FAGUS-SYLVATICA L). *Holzforschung.* 49: 99-103.
- Perschke, H; Hussain, M. (1992). CHEMICAL ISOMERIZATION OF DELTAMETHRIN IN ALCOHOLS. *J Agric Food Chem.* 40: 686-690.
- Pesic, M; Lopez, C; Alvaro, G. (2012). Chloroperoxidase catalyzed oxidation of Cbz-ethanolamine to Cbz-glycinal. *Biochem Eng J.* 67: 218-224. <http://dx.doi.org/10.1016/j.bej.2012.06.019>.
- Piasecki, A; Mayhew, A. (2000). Synthesis and surface properties of chemodegradable anionic surfactants: Diastereomeric (2-n-alkyl-1,3-dioxan-5-yl) sulfates with monovalent counter-ions. *Journal of Surfactants and Detergents.* 3: 59-65.
- Piasecki, A; Sokolowski, A; Burczyk, B; Gancarz, R; Kotlewska, U. (1997). Synthesis, surface properties, and hydrolysis of chemodegradable anionic surfactants: Diastereomerically pure sodium cis- and trans-(2-n-alkyl-1,3-dioxan-5-yl) sulfates. *Langmuir.* 13: 1434-1439.
- Pineider, F; Mannini, M; Danieli, C; Armelao, L; Piras, FM; Magnani, A; Cornia, A; Sessoli, R. (2010). Deposition of intact tetrairon(III) single molecule magnet monolayers on gold: an STM, XPS, and ToF-SIMS investigation. *J Mater Chem.* 20: 187-194. <http://dx.doi.org/10.1039/b916895h>.
- Pineiro, A; Olvera, A; Garcia-Miaja, G; Costas, A. (2001). Excess molar enthalpies of tetrahydrofuran or diisopropyl ether+1-alkanols at 298.15 K, using a newly designed flow mixing cell for an isothermal microcalorimeter. *Journal of Chemical and Engineering Data.* 46: 1274-1279.
- Platz, J; Sehested, J; Mogelberg, T; Nielsen, OJ; Wallington, TJ. (1997). Atmospheric chemistry of 1,4-dioxane. *Faraday Trans 1.* 93: 2855-2863. <http://dx.doi.org/10.1039/a700598i>.
- Plazas Bonilla, CE; Trujillo, S; Demirdögen, B; Perilla, JE; Murat Elcin, Y; Gómez Ribelles, JL. (2014). New porous polycaprolactone-silica composites for bone regeneration. *Mater Sci Eng C.* 40: 418-426. <http://dx.doi.org/10.1016/j.msec.2014.04.024>.
- Ploesser, J; Lucas, M; Claus, P. (2014). Highly selective menthol synthesis by one-pot transformation of citronellal using Ru/H-BEA catalysts. *J Catal.* 320: 189-197. <http://dx.doi.org/10.1016/j.jcat.2014.10.007>.
- Plucinski, PK; Bavykin, DV; Kolaczowski, ST; Lapkin, AA. (2005). Application of a structured multifunctional reactor for the oxidation of a liquid organic feedstock. *Catalysis Today.* 105: 479-483. <http://dx.doi.org/10.1016/j.cattod.2005.06.021>.
- Pohl, HR; Roney, N; Fay, M; C-H, C; Wilbur, S; Holler, J. (1999). Site-specific consultation for a chemical mixture. *Toxicol Ind Health.* 15: 470-479.
- Pokorna, V; Vyprachticky, D; Pecka, J. (2001). Aggregation of poly(gamma-benzyl L-glutamates)s followed by time-resolved emission anisotropy. *Macromol Biosci.* 1: 185-190.
- Pokrovskii, VA. (1999). Calculation of the standard partial molal thermodynamic properties and dissociation constants of aqueous HClO and HBrO at temperatures to 1000 degrees C and pressures to 5 kbar. *Geochim Cosmo Acta.* 63: 1107-1115.
- Polaczek, J; Talbiersky, J; Domanowski, W; Pielichowski, J; Machowska, Z. (2003). Studies on catalytic liquid-phase oxidation of anthracene. *Przemysł Chemiczny.* 82: 342-346.

Exposure Literature Search Results

Off Topic

- Powell, J. R.; Miller, BJ; Acree, WE. (1995). SOLUBILITY OF ANTHRACENE IN BINARY ALCOHOL PLUS 1,4-DIOXANE SOLVENT MIXTURES. *Journal of Chemical and Engineering Data*. 40: 1124-1126.
- Pozzi, R; Bocchini, P; Pinelli, F; Galletti, GC. (2006). Rapid analysis of tile industry gaseous emissions by ion mobility spectrometry and comparison with solid phase micro-extraction/gas chromatography/mass spectrometry. *J Environ Monit*. 8: 1219-1226. <http://dx.doi.org/10.1039/b609850a>.
- Pradhan, R; Kamath, A; Brahman, D; Sinha, B. (2015). Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2-disubstituted ethanes at T = (298.15, 308.15 and 318.15) K. *Fluid Phase Equilibria*. 404: 131-140. <http://dx.doi.org/10.1016/j.fluid.2015.06.041>.
- Prasad, TEV; Kumar, SS; Goud, MBP; Kumar, PA; Srinivas, A; Reddy, PS; Prasad, DHL. (2003). Bubble temperature measurements on binary mixtures formed by cyclohexane at 94.7 kPa. *Journal of Chemical and Engineering Data*. 48: 351-353. <http://dx.doi.org/10.1021/je020148t>.
- Prazeres, TJ; Santos, AM; Martinho, JM; Elaissari, A; Pichot, C. (2004). Adsorption of oligonucleotides on PMMA/PNIPAM core-shell latexes: polarity of the PNIPAM shell probed by fluorescence. *Langmuir*. 20: 6834-6840. <http://dx.doi.org/10.1021/la049609u>.
- Pribyla, KJ; Spurgin, MA; Chuca, I; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus cyclohexane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 971-973. <http://dx.doi.org/10.1021/je000084r>.
- Pribyla, KJ; Spurgin, MA; Chuca, I; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus heptane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 965-967.
- Pribyla, KJ; Van, TT; Ezell, C; Acree, WE. (2000). Solubility of anthracene in ternary 1,4-dioxane plus alcohol plus 2,2,4-trimethylpentane solvent mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 45: 968-970.
- Priddle, MW; Jackson, RE. (1991). Laboratory column measurement of VOC retardation factors and comparison with field values. *Ground Water*. 29: 260-266.
- Prochazka, K; Labsky, J; Tuzar, Z. (1995). LIGHT-SCATTERING AND TIME-RESOLVED FLUORESCENCE STUDY OF THE BEHAVIOR OF A FLUORESCENTLY TAGGED POLY(METHYL METHACRYLATE) SAMPLE IN POLAR ORGANIC-SOLVENTS. *Langmuir*. 11: 1584-1588.
- Prodanovic, O; Spasojevic, D; Prokopijevic, M; Radotic, K; Markovic, N; Blazic, M; Prodanovic, R. (2015). Tyramine modified alginates via periodate oxidation for peroxidase induced hydrogel formation and immobilization. *React Funct Polym*. 93: 77-83. <http://dx.doi.org/10.1016/j.reactfunctpolym.2015.06.004>.
- Profir, VM; Rasmuson, AC. (2006). Crystallization of stable and metastable phases of phenylsuccinic acid. *Cryst Growth Des*. 6: 1143-1153. <http://dx.doi.org/10.1021/cg050089q>.
- Prokopijevic, M; Prodanovic, O; Spasojevic, D; Stojanovic, Z; Radotic, K; Prodanovic, R. (2014). Soybean hull peroxidase immobilization on macroporous glycidyl methacrylates with different surface characteristics. *Bioprocess Biosyst Eng*. 37: 799-804. <http://dx.doi.org/10.1007/s00449-013-1050-z>.
- Provan, GJ; Scobbie, L; Chesson, A. (1994). DETERMINATION OF PHENOLIC-ACIDS IN PLANT-CELL WALLS BY MICROWAVE DIGESTION. *J Sci Food Agric*. 64: 63-65.
- Prozil, SO; Evtuguin, DV; Silva, AM; Lopes, LP. (2014). Structural characterization of lignin from grape stalks (*Vitis vinifera* L.). *J Agric Food Chem*. 62: 5420-5428. <http://dx.doi.org/10.1021/jf502267s>.
- Pu, SJ; Shiraishi, N. (1993). LIQUEFACTION OF WOOD WITHOUT A CATALYST .1. TIME-COURSE OF WOOD LIQUEFACTION WITH PHENOLS AND EFFECTS OF WOOD PHENOL RATIOS. 39: 446-452.
- Pu, Y; Anderson, S; Lucia, L; Ragauskas, A. (2003). Fundamentals of photobleaching lignin. Part I: Photobehaviours of acetylated softwood BCTMP lignin. *Journal of Pulp & Paper Science*. 29: 401-406.
- Pugazhendhi, P; Suryanarayana, CV. (1992). ELECTRICAL CONDUCTANCE AND COHESIVE ENERGY OF TETRAALKYLAMMONIUM SALTS IN WATER-PARA-DIOXANE MIXTURES. 30: 209-216.
- Pulat, M; Ekmekci, A; Aslim, B. (2006). The release of bovine serum albumin from polyurethane based hydrophilic and hydrophobic disks and microbiological interactions. *Biomed Mater Eng*. 16: 147-156.
- Pundlik, MD; Sitharaman, B; Kaur, I. (2001). Gas chromatographic determination of 1,4-dioxane in benzene. *Journal of Sci Ind Res*. 60: 401-404.
- Qi, Y; Xu, X; Li, N; Fang, Y. (2012). Hydrolysis Kinetics of 2-Propyl-1,3-Dioxane for Downstream Separation of 1,3-Propanediol. *Separation Science and Technology*. 47: 584-590. <http://dx.doi.org/10.1080/01496395.2011.627906>.
- Qian, JW; Miao, YM; Zhang, L; Chen, HL. (2002). Influence of viscosity slope coefficient of CA and its blends in dilute solutions on permeation flux of their films for MeOH/MTBE mixture. *J Memb Sci*. 203: 167-173.
- Qian, Y; Qiu, X; Zhong, X; Zhang, D; Deng, Y; Yang, D; Zhu, S. (2015). Lignin Reverse Micelles for UV-Absorbing and High Mechanical Performance Thermoplastics. *Ind Eng Chem Res*. 54: 12025-12030. <http://dx.doi.org/10.1021/acs.iecr.5b03360>.
- Qiu, F; Yang, J; Huang, G; Hu, H; Yu, S; Zhao, H; Li, R. (2014). Measurement of Solid-Liquid Phase Equilibrium for the Ternary 3-Nitrophthalic Anhydride+4-Nitrophthalic Anhydride+1,4-Dioxane System. *Journal of Chemical and Engineering Data*. 59: 1583-1587. <http://dx.doi.org/10.1021/je500171d>.
- Qiu, T; Kuang, C, hui; Li, CG; Zhang, X, wu; Wang, X, da. (2013). Study on Feasibility of Reactive Distillation Process for the Direct Hydration of Cyclohexene to Cyclohexanol Using a Cosolvent. *Ind Eng Chem Res*. 52: 8139-8148. <http://dx.doi.org/10.1021/ie303144k>.
- Qiu, T; Li, S, uJ; Li, S, huY; Wu, Y, anX. (2009). Liquid-liquid phase equilibria of the ternary system of water/1,4-dioxane/dihydromyrcene. *Fluid Phase Equilibria*. 280: 84-87. <http://dx.doi.org/10.1016/j.fluid.2009.03.017>.
- Qiu, T; Wang, X, da; Tian, H, ui; Huang, Z, hiX. (2012). Liquid-liquid equilibrium for the system water plus 1,4-dioxane plus cyclohexanol over the temperature range of 313.2-343.2K. *Fluid Phase Equilibria*. 324: 28-32. <http://dx.doi.org/10.1016/j.fluid.2012.03.010>.

Exposure Literature Search Results

Off Topic

- Qiu, Z, hiC; Zhang, JJ; Niu, Y; Huang, C, aiLi; Yang, K, eKe; Wang, Y, uZ. (2011). Preparation of Poly(p-dioxanone)/Sepiolite Nanocomposites with Excellent Strength/Toughness Balance via Surface-Initiated Polymerization. *Ind Eng Chem Res.* 50: 10006-10016. <http://dx.doi.org/10.1021/ie200106f>.
- Quen, H, anLi; Raj, BC. (2006). Evaluation of UV/O-3 and UV/H2O2 processes for nonbiodegradable compounds: Implications for integration with biological processes for effluent treatment. *Chemical Engineering Communications.* 193: 1263-1276. <http://dx.doi.org/10.1080/00986440500440207>.
- Quesada-Medina, J; López-Cremades, FJ; Olivares-Carrillo, P. (2010). Organosolv extraction of lignin from hydrolyzed almond shells and application of the delta-value theory. *Bioresour Technol.* 101: 8252-8260. <http://dx.doi.org/10.1016/j.biortech.2010.06.011>.
- Quintana, J; Vegué, L; Martín-Alonso, J; Paraira, M; Boleda, MR; Ventura, F. (2016). Odor Events in Surface and Treated Water: The Case of 1,3-Dioxane Related Compounds. *Environ Sci Technol.* 50: 62-69. <http://dx.doi.org/10.1021/acs.est.5b03409>.
- Quintana, JR; Janez, MD; Katime, I. (1996). Micellization of polystyrene-block-poly(ethylene/propylene) in toluene solutions of polystyrene. *Langmuir.* 12: 2196-2199.
- Radwan, A; Willey, RJ; Davies, G. (1999). Characteristics of sequential, solvent pre-extraction in the isolation of humic acid from the alga *Pilayella littoralis*. *Chemical Engineering Communications.* 172: 41-64.
- Radwan, A; Willey, RJ; Davies, G; Fataftah, A; Ghabbour, EA; Jansen, SA. (1996). Supercritical fluid CO2 extraction accelerates isolation of humic acid from live *Pilayella littoralis* (Phaeophyta). *J Appl Phycol.* 8: 545-551.
- Rafati, AA; Ghasemian, E; Iloukhani, H. (2009). Surface Tension and Surface Properties of Binary Mixtures of 1,4-Dioxane or N,N-Dimethyl Formamide with n-Alkyl Acetates. *Journal of Chemical and Engineering Data.* 54: 3224-3228. <http://dx.doi.org/10.1021/jc9002114>.
- Raghavaiah, CV; Chiranjivi, C; Rao, GH. (1978). ISOBARIC VAPOR-LIQUID-EQUILIBRIA OF NORMAL-BUTANOL-1,1,2,2-TETRACHLOROETHANE AND 1,4-DIOXANE-1,1,2,2-TETRACHLOROETHANE SYSTEMS. 16: 300-302.
- Raghu, MS; Basavaiah, K. (2011). Two charge-transfer complexation reactions for spectrophotometric determination of pheniramine maleate using pi-acceptors. *Journal of Sci Ind Res.* 70: 851-858.
- Rahaman, MN; Fu, Q. (2008). Manipulation of Porous Bioceramic Microstructures by Freezing of Suspensions Containing Binary Mixtures of Solvents. *Journal of the American Ceramic Society.* 91: 4137-4140. <http://dx.doi.org/10.1111/j.1551-2916.2008.02795.x>.
- Raj, CBC; Ramkumar, N; Siraj, AHJ; Chidambaram, S. (1997). Biodegradation of acetic, benzoic, isophthalic, toluic and terephthalic acids using a mixed culture: Effluents of PTA production. *Process Saf Environ Protect.* 75: 245-256.
- Raja, SS; Kubendran, TR. (2004). Viscosities and densities of binary mixtures of 1,4-dioxane, carbon tetrachloride, and butanol at 303.15 K, 308.15 K, and 313.15 K. *Journal of Chemical and Engineering Data.* 49: 421-425.
- Rajendran, G; Kalidas, C. (1986). SOLVATION ENERGIES AND SOLVENT TRANSPORT NUMBERS OF SILVER(I) SULFATE AND SILVER(I) ACETATE IN ACETONITRILE, DIMETHYLSULFOXIDE, AND THEIR MIXTURES WITH DIOXANE. *Journal of Chemical and Engineering Data.* 31: 226-229.
- Rallo, F; Rodante, F. (1972). CALORIMETRIC STUDY OF WATER-DIMETHYLSULFOXIDE ADDUCTS IN DIOXANE SOLUTION. *Ann Chim.* 62: 221-&.
- Ramakrishna, C; Krishna, R; Gopi, T; Swetha, G; Saini, B; Shekar, SC; Srivastava, A. (2016). Complete oxidation of 1,4-dioxane over zeolite-13X-supported Fe catalysts in the presence of air. *Chinese journal of catalysis.* 37: 240-249. [http://dx.doi.org/10.1016/S1872-2067\(15\)61030-0](http://dx.doi.org/10.1016/S1872-2067(15)61030-0).
- Ramalingam, S; Rajendran, S; Ganesan, P. (2016). Improving the performance is better and emission reductions from Annona biodiesel operated diesel engine using 1,4-dioxane fuel additive. *Fuel.* 185: 804-809. <http://dx.doi.org/10.1016/j.fuel.2016.08.049>.
- Ramaraju, B; Karuppiyah, J; Reddy, EL; Reddy, PMK; Subrahmanyam, C, h. (2012). Removal of mixture of VOCs by nonthermal plasma. *Composite Interfaces.* 19: 271-277. <http://dx.doi.org/10.1080/15685543.2012.699762>.
- Ramaraju, B; Subrahmanyam, C, h. (2014). Catalytic non-thermal plasma reactor for stripping the VOCs from air. *Composite Interfaces.* 21: 651-658. <http://dx.doi.org/10.1080/15685543.2014.927716>.
- Ramesh, S; Sivasamy, A; Kim, J. (2012). Synthesis and characterization of maleimide-functionalized polystyrene-SiO2/TiO2 hybrid nanocomposites by sol-gel process. *Nanoscale Res Lett.* 7: 350. <http://dx.doi.org/10.1186/1556-276X-7-350>.
- Ramon, G; Jacobs, A; Molete, RP; Nassimbeni, LR; Taljaard, JH. (2009). INCLUSION OF DIOXANE AND PYRIDINE BY A TRICYCLIC HOST STRUCTURES, KINETICS AND SELECTIVITY. *Ann Chimie Sci Materiaux.* 34: 429-440. <http://dx.doi.org/10.3166/acsm.34.429-440>.
- Ramos, LP; Mathias, AL; Silva, FT; Cotrim, AR; Ferraz, AL; Chen, CL. (1999). Characterization of residual lignin after SO(2)-catalyzed steam explosion and enzymatic hydrolysis of *Eucalyptus viminalis* wood chips. *J Agric Food Chem.* 47: 2295-2302.
- Rampon, DS; Rodembusch, FS; Schneider, JMF, M; Bechtold, IH; Goncalves, PFB; Merlo, AA; Schneider, PH. (2010). Novel selenoesters fluorescent liquid crystalline exhibiting a rich phase polymorphism. *J Mater Chem.* 20: 715-722. <http://dx.doi.org/10.1039/b917366h>.
- Ramsey, JC; Andersen, ME. (1984). A physiologically based description of the inhalation pharmacokinetics of styrene in rats and humans. *Toxicol Appl Pharmacol.* 73: 159-175. [http://dx.doi.org/10.1016/0041-008X\(84\)90064-4](http://dx.doi.org/10.1016/0041-008X(84)90064-4).
- Rao, BM; Gajanan, K. (2002). A comparative kinetic and mechanistic study of saponification of industrially important esters viz., mono and distearates, oleostearates of glycol, glycerol and methyl salicylate in alcohol-water, dioxane-water, DMSO-water and DMF-water moieties. *Indian J Chem Tech.* 9: 297-305.
- Rao, BM; Gajanan, K; Mohan, KV. (2001). Kinetic and mechanistic studies of saponification of industrially important distearates, dilaurates of glycol, propylene glycol, glycerol and glyceryl oleostearates. *Indian J Chem Tech.* 8: 348-356.
- Rao, BM; Gajanan, K; Rao, TR. (2003). Kinetic and mechanistic studies of saponification of industrially important esters viz. diesters in alcohol-water and dioxane-water moieties - A novel mathematical approach for evaluation of concentrations of half-ester and end-products. *Indian J Chem Tech.* 10: 684-693.
- Rao, BR; Rathore, HS; Mital, S; Singh, YN. (2001). Thin-layer chromatography of heavy metal-diethyl dithiocarbamate complexes. *Indian J Chem Tech.* 8: 452-457.

Exposure Literature Search Results

Off Topic

- Rao, KP; Reddy, KS. (1987). EXCESS VOLUMES OF TRICHLOROETHYLENE WITH METHYLETHYLKETONE, DIETHYLKETONE, METHYLISOBUTYLKETONE, CYCLOHEXANONE AND 1,4-DIOXANE AT 298.15-K, 308.15-K AND 318.15-K. *Fluid Phase Equilibria*. 34: 265-272.
- Rao, KV; Ravi, MVA; Prasad, AR. (1998). Vapor-liquid equilibria of 2-propanol-1,4-dioxane mixtures. *Fluid Phase Equilibria*. 150: 775-787.
- Rao, PS; Smitha, B; Sridhar, S; Krishnaiah, A. (2006). Effect of blending ratio on pervaporative separation of 1,4-dioxane/water mixtures through PVA-PEI membranes. *Vacuum*. 81: 299-306. <http://dx.doi.org/10.1016/j.vacuum.2006.05.003>.
- Rao, PS; Smitha, B; Sridhar, S; Krishnaiah, A. (2006). Preparation and performance of poly(vinyl alcohol)/polyethyleneimine blend membranes for the dehydration of 1,4-dioxane by pervaporation: Comparison with glutaraldehyde cross-linked membranes. *Separation and Purification Technology*. 48: 244-254. <http://dx.doi.org/10.1016/j.seppur.2005.07.031>.
- Raquez, JM; Degee, P; Dubois, P; Balakrishnan, S; Narayan, R. (2005). Melt-stable poly(1,4-dioxan-2-one) (Co)polymers by ring-opening polymerization via continuous reactive extrusion. *Polymer Engineering and Science*. 45: 622-629. <http://dx.doi.org/10.1002/pen.20312>.
- Rashid, A; White, ET; Howes, T; Litster, JD; Marziano, I. (2014). Effect of Solvent Composition and Temperature on the Solubility of Ibuprofen in Aqueous Ethanol. *Journal of Chemical and Engineering Data*. 59: 2699-2703. <http://dx.doi.org/10.1021/je400819z>.
- Rathi, P; Jouyban, A; Khoubnasabjafari, M; Kale, M. (2015). Solubility of Etoricoxib in Aqueous Solutions of 1,4-Butanediol, 1,4-Dioxane, N,N-Dimethylacetamide, N,N-Dimethylformamide, Dimethyl Sulfoxide, and Ethanol at 298.2 K. *Journal of Chemical and Engineering Data*. 60: 2128-2134. <http://dx.doi.org/10.1021/acs.jced.5b00201>.
- Rathnam, MV; Ambavadekar, DR; Nandini, M. (2013). Densities, Viscosities, and Sound Speed of Binary Mixtures of Hexyl Acetate with Tetrahydrofuran, 1,4-Dioxane, Anisole, and Butyl Vinyl Ether. *Journal of Chemical and Engineering Data*. 58: 3370-3377. <http://dx.doi.org/10.1021/je400539h>.
- Rathnam, MV; Mankumare, S; Kumar, MSS. (2010). Density, Viscosity, and Speed of Sound of (Methyl Benzoate plus Cyclohexane), (Methyl Benzoate plus n-Hexane), (Methyl Benzoate plus Heptane), and (Methyl Benzoate plus Octane) at Temperatures of (303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 55: 1354-1358. <http://dx.doi.org/10.1021/je9006597>.
- Rathnam, MV; Mohite, S; Kumar, MS. (2010). Densities, Viscosities, and Refractive Indices of Binary Mixtures of Diethyl Oxalate with Some Ketones at (303.15, 308.15, and 313.15) K. *Journal of Chemical and Engineering Data*. 55: 5946-5952. <http://dx.doi.org/10.1021/je100715x>.
- Rattray, C; Cochran, J. (2015). CONCURRENT DETERMINATION OF 1,4-DIOXANE AND NITROSAMINE CONTAMINANTS IN DRINKING WATER. *Chem Eng News* 14-16.
- Raus, V; Sturcova, A; Dybal, J; Slouf, M; Vackova, T; Salek, P; Kobera, L; Vlcek, P. (2012). Activation of cellulose by 1,4-dioxane for dissolution in N,N-dimethylacetamide/LiCl. *Cellulose*. 19: 1893-1906. <http://dx.doi.org/10.1007/s10570-012-9779-0>.
- Ravichandran, G; Lakshminarayanan, G; Ragouramane, D. (2013). Apparent molar volume and ultrasonic studies on some bile salts in water-aprotic solvent mixtures. *Fluid Phase Equilibria*. 356: 256-263. <http://dx.doi.org/10.1016/j.fluid.2013.07.041>.
- Ray, S; Ray, SK. (2006). Pervaporative dehydration of dimethyl formamide (DMF) by crosslinked copolymer membranes. *Ind Eng Chem Res*. 45: 7210-7218. <http://dx.doi.org/10.1021/ie060431b>.
- Reddy, BS; Rao, KV. (2008). Measurement and correlation of binary vapor-liquid equilibria of isomeric butanols with 1,4-dioxane. *Fluid Phase Equilibria*. 264: 76-85. <http://dx.doi.org/10.1016/j.fluid.2007.11.002>.
- Reddy, PM; Rao, BK; Narender, P; Satyanarayana, B. (2008). Studies on stability constants of binary and ternary complexes of 5-chloro-2-[(2-hydroxyethyl)imino] methyl-phenol with CoII, NiII, CuII and ZnII in presence of other chelating agents. *Res Journal Chem Environ*. 12: 73-76.
- Reddy, TS; Reddy, AR, am. (2013). Synthesis and fluorescence study of 6,7-diaminocoumarin and its imidazolo derivatives. *Dyes and Pigments*. 96: 525-534. <http://dx.doi.org/10.1016/j.dyepig.2012.08.021>.
- Rencoret, J; Prinsen, P; Gutiérrez, A; Martínez, ÁT; Del Río, JC. (2015). Isolation and structural characterization of the milled wood lignin, dioxane lignin, and cellulolytic lignin preparations from brewer's spent grain. *J Agric Food Chem*. 63: 603-613. <http://dx.doi.org/10.1021/jf505808c>.
- Repetto, SL; Patel, R; Johnson, T, im; Costello, JF; Lam, JKW; Chuck, CJ. (2016). Dual Action Additives for Jet A-1: Fuel Dehydrating Icing Inhibitors. *Energy Fuels*. 30: 9080-9088. <http://dx.doi.org/10.1021/acs.energyfuels.6b01727>.
- Reyes, A; Haro, M; Gascon, I; Artigas, H; Lafuente, C. (2003). Vapor-liquid equilibrium and volumetric measurements for binary mixtures of 1,4-dioxane with isomeric chlorobutanes. *Journal of Chemical and Engineering Data*. 48: 887-891. <http://dx.doi.org/10.1021/je020185k>.
- Reza, M; Rojas, LG; Kontturi, E; Vuorinen, T; Ruokolainen, J. (2014). Accessibility of Cell Wall Lignin in Solvent Extraction of Ultrathin Spruce Wood Sections. 2: 804-808. <http://dx.doi.org/10.1021/sc400470m>.
- Rial-Hermida, MI; Oliveira, NM; Concheiro, A; Alvarez-Lorenzo, C; Mano, JF. (2014). Bioinspired superamphiphobic surfaces as a tool for polymer- and solvent-independent preparation of drug-loaded spherical particles. *Acta Biomater*. 10: 4314-4322. <http://dx.doi.org/10.1016/j.actbio.2014.06.009>.
- Ribeiro, T; Prazeres, TJV; Moffitt, M; Farinha, JPS. (2013). Enhanced Photoluminescence from Micellar Assemblies of Cadmium Sulfide Quantum Dots and Gold Nanoparticles. *J Phys Chem C*. 117: 3122-3133. <http://dx.doi.org/10.1021/jp311200r>.
- Riegel, IC; Eisenberg, A; Petzhold, CL; Samios, D. (2002). Novel bowl-shaped morphology of crew-cut aggregates from Amphiphilic block copolymers of styrene and 5-(N,N-diethylamino)isoprene. *Langmuir*. 18: 3358-3363. <http://dx.doi.org/10.1021/la015592t>.
- Ristic, IS; Tanasic, L; Nikolic, LB; Cakic, SM; Ilic, OZ; Radicevic, RZ; Budinski-Simendic, JK. (2011). The Properties of Poly(l-Lactide) Prepared by Different Synthesis Procedure. *Journal of Polymers and the Environment*. 19: 419-430. <http://dx.doi.org/10.1007/s10924-011-0297-1>.

Exposure Literature Search Results

Off Topic

- Rizvi, R; Kim, J, aeK; Naguib, H. (2010). The effect of processing and composition on the properties of polylactide-multiwall carbon nanotube composites prepared by solvent casting. *Smart Materials and Structures*. 19. <http://dx.doi.org/10.1088/0964-1726/19/9/094003>.
- Ro, AJ; Falotico, R; Davé, V. (2011). Microstructure and drug-release studies of sirolimus-containing poly(lactide-co-glycolide) films. *J Biomed Mater Res B Appl Biomater*. 97: 30-39. <http://dx.doi.org/10.1002/jbm.b.31777>.
- Robak, W; Apostoluk, W; Maciejewski, P; Pielka, JA; Kwiotek, JN. (2013). Linear Free Energy Relationship (LFER) Analysis of Dissociation Constants of 8-Hydroxyquinoline and Its Derivatives in Aqueous and Dioxane-Water Solutions. *Journal of Chemical and Engineering Data*. 58: 1470-1482. <http://dx.doi.org/10.1021/je3009045>.
- Robbins, GP; Hallett, JP; Bush, D; Eckert, CA. (2007). Liquid-liquid equilibria and partitioning in organic-aqueous systems. *Fluid Phase Equilibria*. 253: 48-53. <http://dx.doi.org/10.1016/j.fluid.2007.01.003>.
- Robinson, JM; Wadle, AM; Reno, MD; Kidd, R; Hinsz, SRB; Urquieta, J. (2015). Solvent- and Microwave-Assisted Dehydrations of Polyols to Anhydro and Dianhydro Polyols. *Energy Fuels*. 29: 6529-6535. <http://dx.doi.org/10.1021/acs.energyfuels.5b02167>.
- Rodriguez, GA; Delgado, DR; Martinez, F; Jouyban, A; Acree, WE, Jr. (2012). Solubility of naproxen in ethyl acetate plus ethanol mixtures at several temperatures and correlation with the Jouyban-Acree model. *Fluid Phase Equilibria*. 320: 49-55. <http://dx.doi.org/10.1016/j.fluid.2012.02.009>.
- Rodriguez, S; Lafuente, C; Cea, P; Royo, FM; Urieta, JS. (1997). Densities and viscosities of binary mixtures of some cyclic ethers plus chlorocyclohexane at 298.15 and 313.15 K. *Journal of Chemical and Engineering Data*. 42: 1285-1289.
- Rodriguezvazquez, R; Areyzaga, M; Parada, A; Riosleal, E; Anguisterrazas, C. (1993). ISOLATION AND CHARACTERIZATION OF LIGNIN FROM RICE HULL. *J Sci Food Agric*. 62: 101-104.
- Romero, C; Villares, A; Haro, M; Giner, B; Lafuente, C. (2005). Experimental and predicted vapour-liquid equilibrium of 1,4-dioxane with cycloalkanes and benzene. *Fluid Phase Equilibria*. 238: 1-6. <http://dx.doi.org/10.1016/j.fluid.2005.09.010>.
- Romero, J; Ventura, F; Caixach, J; Romero, J; Gode, LX; Ninerola, JM. (1998). Identification of 1,3-dioxanes and 1,3-dioxolanes as malodorous compounds at trace levels in river water, groundwater, and tap water. *Environ Sci Technol*. 32: 206-216.
- Rondao, R; Sergio Seixas de Melo, J. (2013). Thio-Mayan-like Compounds: Excited State Characterization of Indigo Sulfur Derivatives in Solution and Incorporated in Palygorskite and Sepiolite Clays. *J Phys Chem C*. 117: 603-614. <http://dx.doi.org/10.1021/jp306209y>.
- Routray, C; Tosh, B. (2013). GRAFT COPOLYMERIZATION OF METHYL METHACRYLATE (MMA) ONTO CELLULOSE ACETATE IN HOMOGENEOUS MEDIUM: EFFECT OF SOLVENT, INITIATOR AND HOMOPOLYMER INHIBITOR. *Cellulose Chemistry and Technology*. 47: 171-190.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1994). BIODEGRADATION OF DIOXANE AND DIGLYME IN INDUSTRIAL-WASTE. *Journal of Environmental Science and Health, Part A: Environmental Science and Engineering and Toxi*. 29: 129-147.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1995). Analysis of respirometric data to obtain kinetic coefficients for biodegradation of 1,4-dioxane. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 30: 1775-1790. <http://dx.doi.org/10.1080/10934529509376301>.
- Roy, MN; Ghosh, G; Chakraborti, P. (2010). Study of Solution Properties of Some Alkali Bromides in Aqueous Binary Mixtures of 1,3-Dioxolane in View of Different Models. *Journal of Chemical and Engineering Data*. 55: 1649-1654. <http://dx.doi.org/10.1021/je900709n>.
- Roy, MN; Pradhan, P; Das, RK; Sinha, B; Guha, PK. (2008). Ion-pair and triple-ion formation by some tetraalkylammonium iodides in binary mixtures of 1,4-dioxane plus tetrahydrofuran. *Journal of Chemical and Engineering Data*. 53: 1417-1420. <http://dx.doi.org/10.1021/je7004787>.
- Roy, MN; Roy, PK; Sah, RS; Pradhan, P; Sinha, B. (2009). Ion Pair and Triple Ion Formation by Some Tetraalkylammonium Iodides in Binary Mixtures of Carbon Tetrachloride plus Nitrobenzene. *Journal of Chemical and Engineering Data*. 54: 2429-2435. <http://dx.doi.org/10.1021/je800885h>.
- Roy, MN; Sinha, B; Dakua, VK. (2006). Excess molar volumes and viscosity deviations of binary liquid mixtures of 1,3-dioxolane and 1,4-dioxane with butyl acetate, butyric acid, butylamine, and 2-butanone at 298.15 K. *Journal of Chemical and Engineering Data*. 51: 590-594.
- Ruggiero, F; Netti, PA; Torino, E. (2015). Experimental Investigation and Thermodynamic Assessment of Phase Equilibria in the PLLA/Dioxane/Water Ternary System for Applications in the Biomedical Field. *Langmuir*. 31: 13003-13010. <http://dx.doi.org/10.1021/acs.langmuir.5b02460>.
- Ruhland, TM; Gröschel, AH; Walther, A; Müller, AH. (2011). Janus cylinders at liquid-liquid interfaces. *Langmuir*. 27: 9807-9814. <http://dx.doi.org/10.1021/la201863x>.
- Ruhmer, T; Giesemann, J; Schwieger, W; Schmutzler, K. (1999). Stereospecific polymerization of butadiene on supported allyl complexes of neodymium. *Kautschuk Gummi Kunststoffe*. 52: 420-+.
- Ruidiaz, MA; Delgado, DR; Martinez, F; Marcus, Y. (2010). Solubility and preferential solvation of indomethacin in 1,4-dioxane + water solvent mixtures. *Fluid Phase Equilibria*. 299: 259-265. <http://dx.doi.org/10.1016/j.fluid.2010.09.027>.
- Ruostesuo, P; Mattila, T. (1987). THERMODYNAMIC PROPERTIES OF BINARY-MIXTURES CONTAINING SULFUR AMIDE .2. EXCESS MOLAR VOLUMES OF 1,4-DIOXANE + N,N-DIMETHYLMETHANESULFINAMIDE AND 1,4-DIOXANE + N-METHYLMETHANESULFINAMIDE. *Journal of Chemical and Engineering Data*. 32: 241-243.
- Rutkowska, E, waW; Wollboldt, P; Zuckerstatter, G; Weber, HK; Sixta, H. (2009). CHARACTERIZATION OF STRUCTURAL CHANGES IN LIGNIN DURING CONTINUOUS BATCH KRAFT COOKING OF EUCALYPTUS GLOBULUS. *BioResources*. 4: 172-193.
- Rutnakornpituk, B; Wichai, U; Vilaivan, T; Rutnakornpituk, M. (2011). Surface-initiated atom transfer radical polymerization of poly(4-vinylpyridine) from magnetite nanoparticle. *J Nanopart Res*. 13: 6847-6857. <http://dx.doi.org/10.1007/s11051-011-0592-8>.
- Sachan, S. R.; Soman, SD. (1979). DECONTAMINATION AND RECOVERY OF 1,4 DIOXANE-BASED LIQUID SCINTILLATOR. *Health Phys*. 36: 62-68.
- Sadeghi, GMM; Morshedian, J; Barikani, M. (2006). The effect of solvent on the microstructure, nature of hydroxyl end groups and kinetics of polymerization reaction in synthesize of hydroxyl terminated polybutadiene. *React Funct Polym*. 66: 255-266. <http://dx.doi.org/10.1016/j.reactfunctpolym.2005.08.001>.

Exposure Literature Search Results

Off Topic

- Saeed, R; Masood, S; Siddiqui, NH. (2014). The Viscosity of Crude Oils in 1,4-Dioxan. *Petroleum Science and Technology*. 32: 688-695. <http://dx.doi.org/10.1080/10916466.2011.601509>.
- Safaei-Ghomi, J. (2010). ONE-POT PROTOCOL FOR THE PREPARATION OF ARYLSULFONYLSEMICARBAZIDES FROM SULFONYLHYDRAZIDES. *Digest Journal of Nanomaterials and Biostructures*. 5: 331-333.
- Safarzadeh-Amiri, A; Bolton, JR; Cater, SR. (1997). Ferrioxalate-mediated photodegradation of organic pollutants in contaminated water. *Water Res*. 31: 787-798.
- Sairam, M; Naidu, BVK; Nataraj, SK; Sreedhar, B; Aminabhavi, TM. (2006). Poly(vinyl alcohol)-iron oxide nanocomposite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. *J Memb Sci*. 283: 65-73. <http://dx.doi.org/10.1016/j.memsci.2006.06.013>.
- Sako, T; Yasumoto, M; Nakazawa, N; Kamizawa, C. (2001). Critical parameters and normal boiling temperatures of five fluorinated ethers and two fluorinated ketones. *Journal of Chemical and Engineering Data*. 46: 1078-1081. <http://dx.doi.org/10.1021/je000249w>.
- Sakurai, M. (1992). PARTIAL MOLAR VOLUMES FOR 1,4-DIOXANE PLUS WATER. *Journal of Chemical and Engineering Data*. 37: 492-496.
- Salabat, A; Soleimani, S. (2014). Ultrasonic irradiation and solvent effects on destabilization of colloidal suspensions of platinum nanoparticles. *Particuology*. 17: 145-148. <http://dx.doi.org/10.1016/j.partic.2014.02.002>.
- Salehi, M; Naseri-Nosar, M; Azami, M; Nodooshan, SJ; Arish, J. (2016). Comparative study of poly(L-lactic acid) scaffolds coated with chitosan nanoparticles prepared via ultrasonication and ionic gelation techniques. 13: 498-506. <http://dx.doi.org/10.1007/s13770-016-9083-4>.
- Salem, AEA; Omar, MM. (2003). Atomic absorption and spectrophotometric determinations of salicylhydroxamic acid in its pure and pharmaceutical dosage forms. *Turkish Journal of Chemistry*. 27: 383-393.
- Salinas, O; Ma, X; Litwiller, E; Pinnau, I. (2016). Ethylene/ethane permeation, diffusion and gas sorption properties of carbon molecular sieve membranes derived from the prototype ladder polymer of intrinsic microporosity (PIM-1). *J Memb Sci*. 504: 133-140. <http://dx.doi.org/10.1016/j.memsci.2015.12.052>.
- Sampaio, DA; Abreu, H, dosS; Silveira Augusto, LD; da Silva, B; Ibanez, CM. (2016). Approach on the integument lignin profile of seeds of *Araucaria angustifolia*. *Bosque*. 37: 549-555. <http://dx.doi.org/10.4067/S0717-92002016000300012>.
- Samuleviciene, M; Leinartas, K; Juzeliunas, E. (2000). Iron corrosion inhibition in acidic, highly saline geothermal water. *Corrosion Reviews*. 18: 13-22.
- Sangita, S; Ashish, P; Jasmin, B; Jayesh, R; Vora, JJ. (2010). Computer Augmented Modeling Studies on Complexes of Lanthanone ions with Creatinine in Dioxane-Water Mixtures. *Res Journal Chem Environ*. 14: 45-49.
- Sano, Y; Shimamoto, S. (1995). Mild hydrogenolysis of acetic acid lignin. 41: 1146-1150.
- Sansanwal, PK. (2006). Effect of co-solutes on the physico-chemical properties of surfactant solutions. *Journal of Sci Ind Res*. 65: 57-64.
- Santacesaria, E; Cozzolino, M; Di Serio, M; Venezia, AM; Tesser, R. (2004). Vanadium based catalysts prepared by grafting: preparation, properties and performances in the ODH of butane. *Appl Catal A-Gen*. 270: 177-192. <http://dx.doi.org/10.1016/j.apcata.2004.05.003>.
- Santos, MSC, S; Reis, JCR. (2016). A semi-empirical equation for describing the surface tension of aqueous organic liquid mixtures. *Fluid Phase Equilibria*. 423: 172-180. <http://dx.doi.org/10.1016/j.fluid.2016.04.025>.
- Saputra, H; Simonsen, J; Li, K. (2004). Effect of extractives on the flexural properties of wood/plastic composites. *Composite Interfaces*. 11: 515-524.
- Saraswathi, M; Rao, KM; Prabhakar, MN; Prasad, CV; Sudakar, K; Kumar, HMP, N; Prasad, M; Rao, KC; Subha, MCS. (2011). Pervaporation studies of sodium alginate (SA)/dextrin blend membranes for separation of water and isopropanol mixture. *Desalination*. 269: 177-183. <http://dx.doi.org/10.1016/j.desal.2010.10.059>.
- Sarker, MI; Fan, X; Liu, L. (2015). Boron derivatives: As a source of 1-MCP with gradual release. *Sci Hortic (Amsterdam)*. 188: 36-43. <http://dx.doi.org/10.1016/j.scienta.2015.03.017>.
- Sasaki, T; Morino, D; Tabata, N. (2011). Origin of Enhanced Cold Crystallization Rate for Freeze-Dried Poly(L-lactide) from Solutions. *Polymer Engineering and Science*. 51: 1858-1865. <http://dx.doi.org/10.1002/pen.21977>.
- Sastry, MCS; Rao, MSN. (1990). BINDING OF CHLOROGENIC ACID BY THE ISOLATED POLYPHENOL-FREE 11S PROTEIN OF SUNFLOWER (HELIANTHUS-ANNUUS) SEED. *J Agric Food Chem*. 38: 2103-2110.
- Sato, K. (1989). Glutathione transferases as markers of preneoplasia and neoplasia. *Adv Cancer Res*. 52: 205-255.
- Sauer, S; Saliba, S; Tussetschlaeger, S; Baro, A; Frey, W; Giesselmann, F; Laschat, S; Kantelehner, W. (2009). p-Alkoxybiphenyls with guanidinium head groups displaying smectic mesophases. *Liquid Crystals*. 36: 275-299. <http://dx.doi.org/10.1080/02678290902850027>.
- Sauer, S; Steinke, N; Baro, A; Laschat, S; Giesselmann, F; Kantelehner, W. (2008). Guanidinium chlorides with triphenylene moieties displaying columnar mesophases. *Chem Mater*. 20: 1909-1915. <http://dx.doi.org/10.1021/cm702967c>.
- Saulnier, B; Ponsart, S; Coudane, J; Garreau, H; Vert, M. (2004). Lactic acid-based functionalized polymers via copolymerization and chemical modification [Review]. *Macromol Biosci*. 4: 232-237. <http://dx.doi.org/10.1002/mabi.200300087>.
- Saxena, S; Shrivastava, R; Satsangee, SP. (2012). VOLTAMMETRIC BEHAVIOR AND DETERMINATION OF THE BRONCHODILATOR DOXOFYLLINE AT A BORON DOPED DIAMOND ELECTRODE. *Macedonian Journal of Chemistry and Chemical Engineering*. 31: 195-203.
- Schehlmann, MS; Wiedemann, E; Lichtenthaler, RN. (1995). PERVAPORATION AND VAPOR PERMEATION AT THE AZEOTROPIC POINT OR IN THE VICINITY OF THE LLE BOUNDARY PHASES OF ORGANIC/AQUEOUS MIXTURES. *J Memb Sci*. 107: 277-282.
- Scheithauer, A; Gruetzner, T; Rijksen, C; Zollinger, D; von Harbou, E; Thiel, WR; Hasse, H. (2014). NMR Spectroscopic Study of the Aldoxane Formation in Aqueous Acetaldehyde Solutions. *Ind Eng Chem Res*. 53: 8395-8403. <http://dx.doi.org/10.1021/ie5004043>.
- Scheu, S. (1992). DECOMPOSITION OF LIGNIN IN SOIL MICROCOMPARTMENTS - A METHODOLOGICAL STUDY WITH 3 DIFFERENT C-14-LABELED LIGNIN SUBSTRATES. *Biol Fertil Soils*. 13: 160-164.

Exposure Literature Search Results

Off Topic

- Schneider, R; Baumes, R; Bayonove, C; Razungles, A. (1998). Volatile compounds involved in the aroma of sweet fortified wines (Vins Doux Naturels) from Grenache noir. *J Agric Food Chem.* 46: 3230-3237.
- Schuchardt, U; Bianchi, ML; Goncalves, AR; Curvelo, AAS; Biscolla, FC; Peres, LO. (1995). Piassava fibers. (*Attalea funifera*) .1. Chemical analysis, extraction and reactivity of its lignin. *Cellulose Chemistry and Technology.* 29: 705-712.
- Schugens, C; Maquet, V; Grandfils, C; Jerome, R; Teyssie, P. (1996). Polylactide macroporous biodegradable implants for cell transplantation .2. Preparation of polylactide foams by liquid-liquid phase separation. *J Biomed Mater Res.* 30: 449-461.
- Schwank, M; Green, TR; Maetzler, C; Benedickter, H; Fluehler, H. (2006). Laboratory characterization of a commercial capacitance sensor for estimating permittivity and inferring soil water content. *Vadose Zone Journal.* 5: 1048-1064. <http://dx.doi.org/10.2136/vzj2006.0009>.
- Schweitzer, L; Noblet, J; Ye, Q; Ruth, E; Suffet, IH. (1999). The environmental fate and mechanism of formation of 2-ethyl-5,5'-dimethyl-1,3-dioxane (2EDD) - A malodorous contaminant in drinking water. *Water Sci Technol.* 40: 217-224.
- Scott, CD; Scott, TC; Woodward, CA. (1993). THE CHEMICAL MODIFICATION OF ENZYMES TO ENHANCE SOLUBILIZATION IN ORGANIC-SOLVENTS FOR INTERACTION WITH COAL. *Fuel.* 72: 1695-1700.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (1998). Structural characterization of the bark and core lignins from kenaf (*Hibiscus cannabinus*). *J Agric Food Chem.* 46: 3100-3108.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (2000). Structural characterization of the lignin from the nodes and internodes of *Arundo donax* reed. *J Agric Food Chem.* 48: 817-824.
- See-Toh, YH; Silva, M; Livingston, A. (2008). Controlling molecular weight cut-off curves for highly solvent stable organic solvent nanofiltration (OSN) membranes. *J Memb Sci.* 324: 220-232. <http://dx.doi.org/10.1016/j.memsci.2008.07.023>.
- Sefcik, J; Rankin, SE; Kirchner, SJ; McCormick, AV. (1999). Esterification, condensation, and deprotonation equilibria of trimethylsilanol. *Journal of Non-Crystalline Solids.* 258: 187-197.
- Sekar, R; Dichristina, TJ. (2014). Microbially driven Fenton reaction for degradation of the widespread environmental contaminant 1,4-dioxane. *Environ Sci Technol.* 48: 12858-12867. <http://dx.doi.org/10.1021/es503454a>.
- Sekulić, J; ten Elshof, JE; Blank, DH. (2005). Selective pervaporation of water through a nonselective microporous titania membrane by a dynamically induced molecular sieving mechanism [Letter]. *Langmuir.* 21: 508-510. <http://dx.doi.org/10.1021/la047458p>.
- Sekulic, TD; Sarbu, C; Janjic, NP; Crvenkovic, ZL. (2009). Quantitative Structure-Retention Study of Some 2,4-dioxotetrahydro-1,3-thiazole Derivatives Using the Partial Least Squares Method. *Turkish Journal of Chemistry.* 33: 149-157.
- Seleem, HS. (2003). Stability constants and thermodynamic parameters of Mn²⁺, Co²⁺, Ni²⁺, Cu²⁺, Zn²⁺+Cd²⁺, UO₂²⁺, Th⁴⁺+Ce³⁺ and Pr³⁺-complexes with some Schiff base hydrazones containing the pyrimidine moiety. *Ann Chim.* 93: 305-314.
- Selim, S; Cook, RF. (1978). RESIDUE DETERMINATION OF A DIOXANE HERBICIDE IN SOIL AND SOYBEANS BY HIGH-PRESSURE LIQUID-CHROMATOGRAPHY. *J Agric Food Chem.* 26: 106-110.
- Semenov, AP; Medvedev, VI; Gushchin, PA; Kotelev, MS; Yakushev, VS; Stoporev, AS; Sizikov, AA; Ogienko, AG; Vinokurov, VA. (2017). Phase equilibrium for clathrate hydrate formed in methane plus water plus ethylene carbonate system. *Fluid Phase Equilibria.* 432: 1-9. <http://dx.doi.org/10.1016/j.fluid.2016.10.015>.
- Sengwa, RJ; Sankhla, S. (2007). Low-frequency dielectric response and chain dynamics study of poly(vinyl pyrrolidone)-poly(ethylene glycol) coexisting two-phase polymeric blends. *Indian Journal of Engineering and Materials Sciences.* 14: 317-323.
- Sengwa, RJ; Sankhla, S; Khatri, V. (2010). Static dielectric constants of the binary mixtures of N-methylformamide with water, ethyl alcohol, ethylene glycol, dimethylsulphoxide, acetone and 1,4-dioxane. *Philosophical Magazine Letters.* 90: 463-470. <http://dx.doi.org/10.1080/09500831003757782>.
- Seo, Y; Kang, SP, il; Lee, S; Lee, H. (2008). Experimental Measurements of Hydrate Phase Equilibria for Carbon Dioxide in the Presence of THF, Propylene Oxide, and 1,4-Dioxane. *Journal of Chemical and Engineering Data.* 53: 2833-2837. <http://dx.doi.org/10.1021/jc800566y>.
- Seo, YT; Kang, SP; Lee, H. (2001). Experimental determination and thermodynamic modeling of methane and nitrogen hydrates in the presence of THF, propylene oxide, 1,4-dioxane and acetone. *Fluid Phase Equilibria.* 189: 99-110.
- Serbanovic, SP; Grguric, IR; Kijevcanin, MLJ; Tasic, AZ; Djordjevic, BD. (2004). Thermodynamic modeling of vapor-liquid equilibria and excess properties of the binary systems containing diethers and n-alkanes by cubic equation of state. *Korean J Chem Eng.* 21: 858-866.
- Sethi, BPS; Katyal, RC; Sharma, SK. (1991). ENTHALPIES OF MIXING OF BINARY-SYSTEMS 1,4-DIOXANE WITH O-XYLENES, M-XYLENES AND P-XYLENES AND (1-METHYLETHYL)BENZENE AT 298.15 K. 29: 533-536.
- Shaharun, MS; Dutta, BK; Mukhtar, H; Maitra, S. (2010). Hydroformylation of 1-octene using rhodium-phosphite catalyst in a thermomorphic solvent system. *Chem Eng Sci.* 65: 273-281. <http://dx.doi.org/10.1016/j.ces.2009.06.071>.
- Shaharun, MS; Mukhtar, H; Dutta, BK. (2008). Solubility of carbon monoxide and hydrogen in propylene carbonate and thermomorphic multicomponent hydroformylation solvent. *Chem Eng Sci.* 63: 3024-3035. <http://dx.doi.org/10.1016/j.ces.2008.02.035>.
- Shao, XZ; Wang, LS; Li, MY. (2012). Measurement and Correlation of the Solubilities of 2-[[6-Oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)methyl]butanedioic Acid in Selected Solvents. *Ind Eng Chem Res.* 51: 5082-5089. <http://dx.doi.org/10.1021/ie202640z>.
- Sharma, S; Bhalodia, J; Ramani, J; Patel, R. (2013). A STUDY OF THERMODYNAMIC AND INTERACTION PARAMETERS OF OLEIC ACID WITH SOME APROTIC SOLVENTS AT TEMPERATURES OF 303.15, 308.15, AND 313.15K. *Chemical Engineering Communications.* 200: 1009-1026. <http://dx.doi.org/10.1080/00986445.2012.737382>.
- Sharma, VK; Dua, R. (2014). Densities, Speeds of Sound, Excess Molar Enthalpies, and Heat Capacities of o-Chlorotoluene and Cyclic Ether Mixtures. *Journal of Chemical and Engineering Data.* 59: 684-695. <http://dx.doi.org/10.1021/je400722h>.
- She, D; Xu, F; Geng, Z; Sun, R; Jones, GL; Baird, MS. (2010). Physicochemical characterization of extracted lignin from sweet sorghum stem. *Ind Crop Prod.* 32: 21-28. <http://dx.doi.org/10.1016/j.indcrop.2010.02.008>.

Exposure Literature Search Results

Off Topic

- Shen, H; Niu, Y; Hu, X; Yang, F, ei; Wang, S; Wu, D. (2015). A biomimetic 3D microtubule-orientated poly(lactide-co-glycolide) scaffold with interconnected pores for tissue engineering. 3: 4417-4425. <http://dx.doi.org/10.1039/c5tb00167f>.
- Shen, W; Chen, H; Pan, S. (2008). Anaerobic biodegradation of 1,4-dioxane by sludge enriched with iron-reducing microorganisms. *Bioresour Technol.* 99: 2483-2487. <http://dx.doi.org/10.1016/j.biortech.2007.04.054>.
- Shen, W; Wang, Y; Zhan, J; Wang, B, in; Huang, J, un; Deng, S; Yu, G. (2017). Kinetics and operational parameters for 1,4-dioxane degradation by the photoelectro-peroxone process. *Chem Eng J.* 310: 249-258. <http://dx.doi.org/10.1016/j.cej.2016.10.111>.
- Shen, Y; Xu, Q; Liang, J; Xu, W. (2016). Degradation of Reactive Yellow X-RG by O₃/Fenton system: response surface approach, reaction mechanism, and degradation pathway. *Water Sci Technol.* 74: 2483-2496. <http://dx.doi.org/10.2166/wst.2016.430>.
- Sheng, Y; Yan, N; Zhu, Y; Jiang, W. (2014). Online rheological investigation on ion-induced micelle transition for amphiphilic polystyrene-block-poly(acrylic acid) diblock copolymer in dilute solution. *Langmuir.* 30: 15392-15399. <http://dx.doi.org/10.1021/la503835u>.
- Sheu, CW; Moreland, FM; Lee, JK; Dunkel, VC. (1988). In vitro BALB/3T3 cell transformation assay of nonoxynol-9 and 1,4-dioxane. *Environ Mol Mutagen.* 11: 41-48. <http://dx.doi.org/10.1002/em.2850110106>.
- Shi, H; Yang, F; Niu, Y; Wu, Y; Wang, H; Liu, Z; Liang, B, o. (2015). Fluorescent Pyrene Assisted Photodeprotection of 2-(2-nitrophenyl)Propyloxycarbonyl Groups on Self-Assembled Monolayers. *J Nanosci Nanotechnol.* 15: 2650-2656. <http://dx.doi.org/10.1166/jnn.2015.9227>.
- Shi, JL; Jiang, MXW; Zeng, JH; Jiang, XK. (1997). Aggregating tendencies of some alkylsulfonates. *Langmuir.* 13: 2480-2482.
- Shigematsu, M; Goto, A; Yoshida, S; Tanahashi, M; Shinoda, Y. (1994). HYDROPHOBIC REGIONS OF HEMICELLULOSES ESTIMATED BY FLUORESCENT-PROBE METHOD. 40: 1214-1218.
- Shigematsu, M; Morita, M; Sakata, I. (1991). EFFECT OF THE ADDITION OF LIGNIN-CARBOHYDRATE COMPLEX ON MISCIBILITY BETWEEN HEMICELLULOSE AND LIGNIN. 37: 50-56.
- Shimizu, K; Sudo, K; Ono, H; Ishihara, M; Fujii, T; Hishiyama, S. (1998). Integrated process for total utilization of wood components by steam-explosion pretreatment. *Biomass and Bioenergy.* 14: 195-203.
- Shin, D; Sung, DY; Moon, HS; Nam, K. (2010). Microbial succession in response to 1,4-dioxane exposure in activated sludge reactors: effect of inoculum source and extra carbon addition. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 45: 674-681. <http://dx.doi.org/10.1080/10934521003648859>.
- Shin, HJ; Lee, Y, unJe; Im, J, unH; Han, K, yuWon; Lee, J, onWon; Lee, Y; Lee, J, uD; Jang, W, onYil; Yoon, J, iHo. (2009). Thermodynamic stability, spectroscopic identification and cage occupation of binary CO₂ clathrate hydrates. *Chem Eng Sci.* 64: 5125-5130. <http://dx.doi.org/10.1016/j.ces.2009.08.019>.
- Shin, J; Lee, YC; Ahn, Y; Yang, J, iWon. (2012). 1,4-Dioxane degradation by oxidation and sonication in the presence of different-sized ZVI in open-air system. *Desalination and Water Treatment.* 50: 102-114. <http://dx.doi.org/10.1080/19443994.2012.708554>.
- Shin, J; Lim, YM; Jeun, JP, yo; Nho, YC. (2007). Swelling Behavior study of gamma-irradiated gelatin hydrogels prepared in Organic/Aqueous mixtures. *J Ind Eng Chem.* 13: 997-1001.
- Shinde, SD; Yadav, GD. (2014). Process intensification of immobilized lipase catalysis by microwave irradiation in the synthesis of 4-chloro-2-methylphenoxycetic acid (MCPA) esters. *Biochem Eng J.* 90: 96-102. <http://dx.doi.org/10.1016/j.bej.2014.05.015>.
- Shinkarev, AA; Lyutakhina, NB; Gnevashov, SG. (2000). Separation of the groups of humic substances upon recurrent treatment with solvents. *Eurasian Soil Science.* 33: 709-712.
- Shrivastava, A; Ghosh, KK. (2008). Micellization of Cetyl Triphenyl Phosphonium Bromide Surfactant in Binary Aqueous Solvents. *Journal of Surfactants and Detergents.* 11: 287-292. <http://dx.doi.org/10.1007/s11743-008-1083-5>.
- Shukla, RS. (1998). Homogeneous catalysis of selective functionalization of alkane and alkenes by dioxygen. *Stud Surf Sci Catal.* 113: 897-905.
- Shukla, RS. (1999). Thermodynamics of monooxygenase system: Ru-III-EDTA-ascorbate-O₂ catalyzed oxygen atom transfer to olefins. *Indian J Chem Tech.* 6: 31-37.
- Siebert, KJ; Troukhanova, NV; Lynn, PY. (1996). Nature of polyphenol-protein interactions. *J Agric Food Chem.* 44: 80-85.
- Silva, CAC; Figueiredo, FCA; Rodrigues, R; Sairre, MI; Goncalves, M; Matos, I; Fonseca, IM; Mandelli, D; Carvalho, WA. (2016). Enhancing the biodiesel manufacturing process by use of glycerin to produce hyacinth fragrance. *Clean Tech Environ Pol.* 18: 1551-1563. <http://dx.doi.org/10.1007/s10098-016-1136-9>.
- Simon, LM; Kotorman, M; Szabo, A; Nemcsok, J; Laczko, I. (2007). The effects of organic solvent/water mixtures on the structure and catalytic activity of porcine pepsin. *Process Biochemistry.* 42: 909-912. <http://dx.doi.org/10.1016/j.procbio.2007.01.014>.
- Simonin, JP; Bernard, O; Krebs, S; Kunz, W. (2006). Modelling of the thermodynamic properties of ionic solutions using a stepwise solvation-equilibrium model. *Fluid Phase Equilibria.* 242: 176-188. <http://dx.doi.org/10.1016/j.fluid.2006.01.019>.
- Simsek, EH; Karaduman, A; Caliskan, S; Togrul, T. (2002). The effect of preswelling and/or pretreatment of some Turkish coals on the supercritical fluid extract yield. *Fuel.* 81: 503-506.
- Singh, PP; Maken, S. (1992). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE. *Fluid Phase Equilibria.* 72: 299-308.
- Singh, PP; Maken, S. (1993). THE INFLUENCE OF ANHYDROUS CUPRIC CHLORIDE ON THE NATURE OF THE INTERACTIONS BETWEEN BROMOFORM AND 1,4-DIOXANE - REPLY. *Fluid Phase Equilibria.* 87: 385-388.
- Singha, NR; Kar, S; Ray, SK. (2009). Synthesis of Chemically Modified Polyvinyl Alcohol Membranes for Dehydration of Dioxane by Pervaporation. *Separation Science and Technology.* 44: 422-446. <http://dx.doi.org/10.1080/01496390802437347>.
- Singha, NR; Parya, TK; Ray, SK. (2009). Dehydration of 1,4-dioxane by pervaporation using filled and crosslinked polyvinyl alcohol membrane. *J Memb Sci.* 340: 35-44. <http://dx.doi.org/10.1016/j.memsci.2009.05.003>.

Exposure Literature Search Results

Off Topic

- Sinha, W; Deibel, N; Garai, A; Schweinfurth, D; Anwar, S; Purohit, CS; Sarkar, B; Kar, S. (2014). In-situ spectroelectrochemistry (EPR, UV-visible) and aggregation behavior of H-2 BDCP and Zn(II)BDCP [BDCP = {5,10,15,20-tetrakis[3,4-(1,4-dioxan)phenyl]porphyrin}{2-}]. *Dyes and Pigments*. 107: 29-37. <http://dx.doi.org/10.1016/j.dyepig.2014.03.019>.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .2. THE EFFECT OF PH ON THE REACTION BETWEEN A BETA-O-4-TYPE QUINONE METHIDE AND VANILLYL ALCOHOL IN WATER-DIOXANE SOLUTIONS - THE STABILITY OF NONCYCLIC BENZYL ARYL ETHERS DURING LIGNIN BIOSYNTHESIS. *Holzforschung*. 45: 275-278.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .3. THE REACTIVITY OF A BETA-O-4-TYPE QUINONE METHIDE WITH METHYL-ALPHA-D-GLUCOPYRANOSIDE IN COMPETITION WITH VANILLYL ALCOHOL - THE FORMATION AND THE STABILITY OF BENZYL ETHERS BETWEEN LIGNIN AND CARBOHYDRATES. *Holzforschung*. 45: 3-7.
- Sipila, J; Brunow, G. (1991). ON THE MECHANISM OF FORMATION OF NONCYCLIC BENZYL ETHERS DURING LIGNIN BIOSYNTHESIS .4. THE REACTIONS OF A BETA-O-4-TYPE QUINONE METHIDE WITH CARBOXYLIC-ACIDS IN THE PRESENCE OF PHENOLS - THE FORMATION AND STABILITY OF BENZYL-ESTERS BETWEEN LIGNIN AND CARBOHYDRATES. *Holzforschung*. 45: 9-14.
- Sjoholm, E; Norman, E; Colmsjo, A. (2000). Charge density of lignin samples from kraft cooking of birch wood. *Journal of Wood Chemistry and Technology*. 20: 337-356.
- Skranc, W; Cibulka, I; Hnedkovsky, L. (1995). EXCESS VOLUMES OF 1,4-DIOXANE PLUS ETHANE-1,2-DIOL AT 298.15 K. *Journal of Chemical and Engineering Data*. 40: 974-975.
- Slomkowski, S; Gadzinowski, M; Sosnowski, S; Radomska-Galant, I; Pucci, A; De Vita, C; Ciardelli, F. (2006). Nanoparticles from polylactide and polyether block copolymers: Formation, properties, encapsulation, and release of pyrene - Fluorescent model of hydrophobic drug. *J Nanosci Nanotechnol*. 6: 3242-3251. <http://dx.doi.org/10.1166/jnn.2006.470>.
- Smirnov, VI; Badelin, VG. (2014). Enthalpies of beta-Alanine Dissolution in Some Water plus Organic Mixtures at 298.15 K. *Journal of Chemical and Engineering Data*. 59: 1774-1780. <http://dx.doi.org/10.1021/je400966q>.
- So, MH; Han, JS; Han, TH; Seo, JW; Kim, CG. (2009). Decomposition of 1,4-dioxane by photo-Fenton oxidation coupled with activated sludge in a polyester manufacturing process. *Water Sci Technol*. 59: 1003-1009. <http://dx.doi.org/10.2166/wst.2009.056>.
- Solar, R; Kacik, F. (1993). COMPARATIVE-STUDY OF CARIBBEAN PINE (PINUS-CARIBAEA L) WOOD AND BARK DIOXANE LIGNIN. *Holz als Roh- und Werkstoff*. 51: 347-352.
- Solar, R; Kacik, F. (1995). ALTERATIONS OF MAPLE WOOD LIGNIN UNDER CONDITIONS OF TREATMENT IN DIOXANE-WATER-HCL AGENT. 40: 3-16.
- Solar, R; Kacik, F. (1995). A COMPARATIVE-STUDY OF HARD AND SOFTWOOD LIGNINS ALTERATIONS DURING TREATMENT IN DIOXANE-WATER-HCL AGENT. *Holz als Roh- und Werkstoff*. 53: 123-128.
- Solar, R; Kacik, F. (1995). A STUDY OF SPRUCE WOOD LIGNIN ALTERATIONS DURING TREATMENT IN DIOXANE-WATER-HCL SOLVENT. *Cellulose Chemistry and Technology*. 29: 123-133.
- Solar, R; Kacik, F; Melcer, I. (1992). THE COMPARISON OF CHEMICAL AND STRUCTURAL DIFFERENCES OF CARIBBEAN PINE (PINUS-CARIBAEA L) WOOD AND BARK LIGNIN. *Holz als Roh- und Werkstoff*. 50: 291-294.
- Son, HS; Choi, SB; Khan, E; Zoh, KD. (2006). Removal of 1,4-dioxane from water using sonication: effect of adding oxidants on the degradation kinetics. *Water Res*. 40: 692-698. <http://dx.doi.org/10.1016/j.watres.2005.11.046>.
- Son, HS; Im, JK; Zoh, KD. (2009). A Fenton-like degradation mechanism for 1,4-dioxane using zero-valent iron (Fe0) and UV light. *Water Res*. 43: 1457-1463. <http://dx.doi.org/10.1016/j.watres.2008.12.029>.
- Son, HS; Kim, SK; Irn, JK; Khim, J; Zoh, KD. (2011). Effect of Bulk Temperature and Frequency on the Sonolytic Degradation of 1,4-Dioxane with Fe-0. *Ind Eng Chem Res*. 50: 5394-5400. <http://dx.doi.org/10.1021/ie101849p>.
- Son, HS; Zoh, KD, uk. (2012). Effects of Methanol and Carbon Tetrachloride on Sonolysis of 1,4-Dioxane in Relation to Temperature. *Ind Eng Chem Res*. 51: 8939-8944. <http://dx.doi.org/10.1021/ie201766h>.
- Son, YA; Lee, J; Kim, H; Yu, H; Kim, SH; Jun, K; Lee, DH. (2013). Design, synthesis and characteristics on novel D-pi-A dye chromophore: fluorochromism effects. *J Nanosci Nanotechnol*. 13: 1484-1487. <http://dx.doi.org/10.1166/jnn.2013.6108>.
- Sonar, AN; Khirnar, MD; Pawar, NS. (2009). Stability constants of Yb (III), Pr (III) and Ce (III) Chelates with some substituted Drugs. *Res Journal Chem Environ*. 13: 78-80.
- Song, F; Shi, WT; Dong, XT; Han, X; Wang, XL; Chen, SC; Wang, YZ. (2014). Fennel-like nanoaggregates based on polysaccharide derivatives and their application in drug delivery. *Colloids Surf B Biointerfaces*. 113: 501-504. <http://dx.doi.org/10.1016/j.colsurfb.2013.09.027>.
- Song, X; Wang, J; Zhu, J, in. (2009). Effect of Porogenic Solvent on Selective Performance of Molecularly Imprinted Polymer for Quercetin. *Mater Res*. 12: 299-304.
- Song, Y; Seo, G; Ihm, SK. (1992). HYDRODEALKYLATION REACTION OF ETHYLBENZENE OVER A SUPPORTED NICKEL-TUNGSTEN CATALYST. *Appl Catal A-Gen*. 83: 75-86.
- Songsiri, N; Rempel, GL; Prasassarakich, P. (2016). Liquid-Phase Synthesis of Isoprene from Methyl tert-Butyl Ether and Formalin Using Keggin-Type Heteropolyacids. *Ind Eng Chem Res*. 55: 8933-8940. <http://dx.doi.org/10.1021/acs.iecr.6b02452>.
- Soroko, I; Livingston, A. (2009). Impact of TiO2 nanoparticles on morphology and performance of crosslinked polyimide organic solvent nanofiltration (OSN) membranes. *J Memb Sci*. 343: 189-198. <http://dx.doi.org/10.1016/j.memsci.2009.07.026>.
- Soroko, I; Lopes, MP; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN): Part A. Effect of polymer/solvent/non-solvent system choice. *J Memb Sci*. 381: 152-162. <http://dx.doi.org/10.1016/j.memsci.2011.07.027>.

Exposure Literature Search Results

Off Topic

- Soroko, I; Makowski, M; Spill, F; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN). Part B: Analysis of evaporation step and the role of a co-solvent. *J Memb Sci.* 381: 163-171. <http://dx.doi.org/10.1016/j.memsci.2011.07.028>.
- Sosnowski, S; Gadzinowski, M; Slomkowski, S; Penczek, S. (1994). SYNTHESIS OF BIOERODIBLE POLY(EPSILON-CAPROLACTONE) LATEXES AND POLY(D,L-LACTIDE) MICROSPHERES BY RING-OPENING POLYMERIZATION. *J Bioact Compat Polymer.* 9: 345-366.
- Sowjanya, Y; Prasad, PSR. (2014). Formation kinetics & phase stability, of double hydrates of C₄H₈O and CO₂/CH₄: A comparison with pure systems. *Journal of Natural Gas Science & Engineering.* 18: 58-63. <http://dx.doi.org/10.1016/j.jngse.2014.02.001>.
- Soykan, C; Delibas, A, Ii; Coskun, R. (2008). Novel copolymers of N-(4-bromophenyl)-2-methacrylamide with glycidyl methacrylate: Synthesis, characterization, monomer reactivity ratios and thermal properties. *React Funct Polym.* 68: 114-124. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.10.004>.
- Spaans, CJ; De Groot, JH; Belgraver, VW; Pennings, AJ. (1998). A new biomedical polyurethane with a high modulus based on 1,4-butanediisocyanate and epsilon-caprolactone. *J Mater Sci Mater Med.* 9: 675-678.
- Spah, M; Spah, D, alC; Jun, S; Lee, S; Song, H, oJun; Won-Gun, K, oh; Park, J, inWon. (2009). Thermodynamic determination of solvation potentials of various metal chlorides by (1,4-dioxane + water) mixtures through EMF measurements. *Fluid Phase Equilibria.* 279: 17-27. <http://dx.doi.org/10.1016/j.fluid.2009.01.013>.
- Spasojevic, D; Prokopijevic, M; Prodanovic, O; Pirtea, MG; Radotic, K; Prodanovic, R. (2014). Immobilization of chemically modified horseradish peroxidase within activated alginate beads. *Hemijaska Industrija.* 68: 117-122. <http://dx.doi.org/10.2298/HEMIND121122036S>.
- Spicer, CW; Gordon, SM; Holdren, MW; Kelly, TJ; Mukund, R. (2002). Hazardous air pollutant handbook: Measurements, properties, and fate in ambient air. Boca Raton, FL: CRC Press. <http://www.crcnetbase.com/doi/book/10.1201/9781420032352>.
- Spiegelhalter, D; Thomas, A; Best, N; Lunn, D. (2003). WinBugs version 1.4 user manual. Cambridge, UK: MRC Biostatistics Unit. <http://www.mrc-bsu.cam.ac.uk/bugs/winbugs/manual14.pdf>.
- Sretenskaya, NG. (1992). DISSOCIATION-CONSTANTS OF HCL ACCORDING TO ELECTRIC RESISTIVITY DATA FOR HCL SOLUTIONS IN THE WATER-DIOXANE MIXTURES. *Geokhimiya*447-453.
- Srivastava, AK; Chaurasia, AK; Sharma, S; Mishra, G. (2006). Kinetics and mechanism of polymerization of vinyl acetate using triphenyl stibonium 1,2,3,4-tetra-phenyl-cyclopentadiene ylide. *Journal of Sci Ind Res.* 65: 514-517.
- Srouf, RK; Mcdonald, LM. (2008). Ionic conductivity of selected 2 : 1 electrolytes in dilute solutions of mixed aqueous-organic solvents at 298.15 K. *Journal of Chemical and Engineering Data.* 53: 335-342. <http://dx.doi.org/10.1021/je700313j>.
- Stanciu, ND; Albu, A, naM; Teodorescu, M; Hamaide, T; Vuluga, DM. (2009). Preliminary Studies on the Synthesis and Characterization of Cellulose - Maleic Anhydride - Dicyclopentadiene Composites. *Materiale Plastice.* 46: 215-219.
- Stefan, MI; Bolton, JR. (1998). Mechanism of the degradation of 1,4-dioxane in dilute aqueous solution using the UV hydrogen peroxide process. *Environ Sci Technol.* 32: 1588-1595.
- Stepanek, M; Matejicek, P; Humpolickova, J; Prochazka, K. (2005). Reversible aggregation of polystyrene-block-poly(2-vinylpyridine)-block-poly(ethylene oxide) block copolymer micelles in acidic aqueous solutions. *Langmuir.* 21: 10783-10790. <http://dx.doi.org/10.1021/la0516680>.
- Stepanek, M; Podhajacka, K; Tesarova, E; Prochazka, K; Tuzar, Z; Brown, W. (2001). Hybrid polymeric micelles with hydrophobic cores and mixed polyelectrolyte/nonelectrolyte shells in aqueous media. 1. Preparation and basic characterization. *Langmuir.* 17: 4240-4244. <http://dx.doi.org/10.1021/la010246x>.
- Stroebel, P; Mayer, F; Zerban, H; Bannasch, P. (1995). Spongiotic pericytoma: A benign neoplasm deriving from the perisinusoidal (Ito) cells in rat liver. *Am J Pathol.* 146: 903-913.
- Subbaiah, T. (1993). SALT EFFECT IN VAPOR-LIQUID-EQUILIBRIA. *J Chem Tech Biotechnol.* 57: 163-168.
- Sudarsanam, P; Mallesham, B; Prasad, AN; Reddy, PS; Reddy, BM. (2013). Synthesis of bio-additive fuels from acetalization of glycerol with benzaldehyde over molybdenum promoted green solid acid catalysts. *Fuel Process Tech.* 106: 539-545. <http://dx.doi.org/10.1016/j.fuproc.2012.09.025>.
- Suez, I; Backer, SA; Fréchet, JM. (2005). Generating an etch resistant "resist" layer from common solvents using scanning probe lithography in a fluid cell. *Nano Lett.* 5: 321-324. <http://dx.doi.org/10.1021/nl048014g>.
- Sugimoto, H; Ogawa, A. (2007). Alternating copolymerization of carbon dioxide and epoxide by dinuclear zinc Schiff base complex. *React Funct Polym.* 67: 1277-1283. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.07.008>.
- Sugunan, S; Malayan, JJ. (1995). ELECTRON-DONATING, ACID-BASE, AND MAGNETIC-PROPERTIES OF SAMARIA CATALYST. *J Adhes Sci Tech.* 9: 73-80.
- Sugunan, S; Rani, GD. (1993). ACID-BASE, ELECTRON-DONATING AND MAGNETIC-PROPERTIES OF ND₂O₃ AND ITS MIXED OXIDES WITH ALUMINA CATALYSTS. *Journal of Materials Science.* 28: 4811-4815.
- Suh, JH; Mohseni, M. (2004). A study on the relationship between biodegradability enhancement and oxidation of 1,4-dioxane using ozone and hydrogen peroxide. *Water Res.* 38: 2596-2604. <http://dx.doi.org/10.1016/j.watres.2004.03.002>.
- Sumitra, C, h; Singh, T, hD; Devi, MI; Singh, NR. (2008). Absorption spectral studies of 4f-4f transitions for the complexation of Pr(III) and Nd(III) with glutathione reduced (GSH) in presence of Zn(II) in different aquated organic solvents and kinetics for the complexation of Pr(III): GSH with Zn(II). *J Alloy Comp.* 451: 365-371. <http://dx.doi.org/10.1016/j.jallcom.2007.04.153>.
- Sun, D; Wang, J; Yamada, Y; Sato, S. (2015). Cyclodehydration of diethylene glycol over Ag-modified Al₂O₃ catalyst. *Appl Catal A-Gen.* 505: 422-430. <http://dx.doi.org/10.1016/j.apcata.2015.03.047>.
- Sun, F; Sun, B; Hu, J; He, Y; Wu, W. (2015). Organics and nitrogen removal from textile auxiliaries wastewater with A₂O-MBR in a pilot-scale. *J Hazard Mater.* 286: 416-424. <http://dx.doi.org/10.1016/j.jhazmat.2015.01.031>.

Exposure Literature Search Results

Off Topic

- Sun, M; Lopez-Velandia, C; Knappe, DR. (2016). Determination of 1,4-Dioxane in the Cape Fear River Watershed by Heated Purge-and-Trap Preconcentration and Gas Chromatography-Mass Spectrometry. *Environ Sci Technol.* 50: 2246-2254. <http://dx.doi.org/10.1021/acs.est.5b05875>.
- Sun, RC; Lawther, JM; Banks, WB. (1998). Isolation and characterization of organosolv lignins from wheat straw. *Wood and Fiber Science.* 30: 56-63.
- Sun, RC; Lawther, JM; Banks, WB; Xiao, B. (1997). Effect of extraction procedure on the molecular weight of wheat straw lignins. *Ind Crop Prod.* 6: 97-106.
- Sun, RC; Mott, L; Bolton, J. (1998). Fractional and structural characterization of ball milled and enzyme lignins from oil palm empty fruit bunch fiber. *Wood and Fiber Science.* 30: 301-311.
- Sun, SN, i; Cao, X, ueFei; Xu, F; Jones, GL; Baird, M. (2014). Alkaline and Organosolv Lignins from Furfural Residue: Structural Features and Antioxidant Activity. *BioResources.* 9: 772-785.
- Sun, XF; Jing, Z; Fowler, P; Wu, Y; Rajaratnam, M. (2011). Structural characterization and isolation of lignin and hemicelluloses from barley straw. *Ind Crop Prod.* 33: 588-598. <http://dx.doi.org/10.1016/j.indcrop.2010.12.005>.
- Sun, XF; Sun, R; Fowler, P; Baird, MS. (2005). Extraction and characterization of original lignin and hemicelluloses from wheat straw. *J Agric Food Chem.* 53: 860-870. <http://dx.doi.org/10.1021/jf040456q>.
- Sun, YC; Wang, M, in; Sun, R, unC. (2015). Toward an Understanding of Inhomogeneities in Structure of Lignin in Green Solvents Biorefinery. Part 1: Fractionation and Characterization of Lignin. 3: 2443-2451. <http://dx.doi.org/10.1021/acssuschemeng.5b00809>.
- Sun, YC; Xu, J, iKun; Xu, F; Sun, R, unC. (2013). Efficient separation and physico-chemical characterization of lignin from eucalyptus using ionic liquid-organic solvent and alkaline ethanol solvent. *Ind Crop Prod.* 47: 277-285. <http://dx.doi.org/10.1016/j.indcrop.2013.03.025>.
- Surprenant, KS. (2002). *Ullmann's Encyclopedia of Industrial Chemistry* Dioxane (6th ed.). Weinheim, Germany: Wiley-VCH Verlag. http://dx.doi.org/10.1002/14356007.a08_545.
- Suthersan, S; Gentile, M; Bell, C; Quinnan, J; Horst, J. (2016). Big Data and Environmental Remediation: Gaining Predictive Insights. *Ground Water Monitoring and Remediation.* 36: 21-31. <http://dx.doi.org/10.1111/gwmmr.12156>.
- Suthersan, S; Quinnan, J; Horst, J; Ross, I, an; Kalve, E; Bell, C; Pancras, T. (2016). Making Strides in the Management of "Emerging Contaminants". *Ground Water Monitoring and Remediation.* 36: 15-25. <http://dx.doi.org/10.1111/gwmmr.12143>.
- Syal, VK; Bisht, P. (1994). CONDUCTOMETRIC STUDIES OF SOME TETRAALKYLAMMONIUM SALTS IN BINARY-MIXTURES OF DIMETHYLSULFOXIDE AND DIOXANE AT 35-DEGREES-C AND 45-DEGREES-C. *Indian J Chem Tech.* 1: 233-236.
- Szmaja, A; Szubzda, B. (2010). Preliminary studies on selection of organic non-toxic electrolyte for supercapacitors. 86: 349-352.
- Tada, EB; Novaki, LP; El Seoud, OA. (2001). Solvatochromism in cationic micellar solutions: Effects of the molecular structures of the solvatochromic probe and the surfactant headgroup. *Langmuir.* 17: 652-658. <http://dx.doi.org/10.1021/la0011351>.
- Tada, EB; Ouarti, N; Silva, PL; Blagoeva, IB; El Seoud, OA; Ruasse, MF. (2003). Nucleophilic reactivity of the CTACI-Micelle-bound fluoride ion: The influence of water concentration and ionic strength at the micellar interface. *Langmuir.* 19: 10666-10672. <http://dx.doi.org/10.1021/la030186q>.
- Taha, M. (2004). Thermodynamic study of the second-stage dissociation of N,N-bis-(2-hydroxyethyl)glycine (bicine) in water at different ionic strength and different solvent mixtures. *Ann Chim.* 94: 971-978. <http://dx.doi.org/10.1002/adic.200490119>.
- Taha, M. (2016). Designing new mass-separating agents based on piperazine-containing good's buffers for separation of propanols and water azeotropic mixtures using COSMO-RS method. *Fluid Phase Equilibria.* 425: 40-46. <http://dx.doi.org/10.1016/j.fluid.2016.05.011>.
- Taha, M; Khalil, MM. (2005). Mixed-ligand complex formation equilibria of cobalt(II), nickel(II), and copper(II) with N,N-bis(2-hydroxyethyl)glycine (bicine) and some amino acids. *Journal of Chemical and Engineering Data.* 50: 157-163. <http://dx.doi.org/10.1021/je049766v>.
- Taha, M; Khalil, MM; Mohamed, SA. (2005). Metal ion-buffer interactions. Complex formation of N,N-bis(2-hydroxyethyl)glycine (bicine) with various biologically relevant ligands. *Journal of Chemical and Engineering Data.* 50: 882-887. <http://dx.doi.org/10.1021/je049625t>.
- Taha, M; Lee, M. (2009). Buffer interactions: Densities and solubilities of some selected biological buffers in water and in aqueous 1,4-dioxane solutions. *Biochem Eng J.* 46: 334-344. <http://dx.doi.org/10.1016/j.bej.2009.06.009>.
- Taha, M; Lee, MJ, er. (2011). Solubility and Phase Separation of 2-(N-Morpholino)ethanesulfonic Acid (MES) and 4-(N-Morpholino)butanesulfonic Acid (MOBS) in Aqueous 1,4-Dioxane and Ethanol Solutions. *Journal of Chemical and Engineering Data.* 56: 4436-4443. <http://dx.doi.org/10.1021/je200244p>.
- Taha, M; Teng, H; Lee, M. (2013). Buffering-out: Separation of tetrahydrofuran, 1,3-dioxolane, or 1,4-dioxane from their aqueous solutions using EPPS buffer at 298.15 K. *Separation and Purification Technology.* 105: 33-40. <http://dx.doi.org/10.1016/j.seppur.2012.12.022>.
- Tajima, H; Niitsu, T; Inoue, H. (1999). Polymerization of formaldehyde by an immobilized thiamine catalyst on cation-exchange resin. *J Chem Eng Jpn.* 32: 776-782.
- Tajima, T; Hayashida, N; Matsumura, R; Omura, A; Nakashimada, Y; Kato, J. (2012). Isolation and characterization of tetrahydrofuran-degrading *Rhodococcus aetherivorans* strain M8. *Process Biochemistry.* 47: 1665-1669. <http://dx.doi.org/10.1016/j.procbio.2011.08.009>.
- Takagi, H; Isoda, T; Kusakabe, K; Morooka, S. (1999). Effects of solvents on the hydrogenation of mono-aromatic compounds using noble-metal catalysts. *Energy Fuels.* 13: 1191-1196.
- Takagi, H; Oumi, Y; Uozumi, T; Masuda, T; Sano, T. (2001). Synthesis of 1,4-dioxan-2-one from 1,3-dioxolane and carbon monoxide over cation-exchange resin catalyst. 44: 131-134.
- Takahashi, N; Hibino, T; Torii, H; Shibata, S; Tasaka, S; Yoneya, J, un; Matsuda, M; Ogasawara, H; Sugimoto, K; Fujioka, T. (2013). Evaluation of O₃/UV and O₃/H₂O₂ as Practical Advanced Oxidation Processes for Degradation of 1,4-Dioxane. *Ozone: Science and Engineering.* 35: 331-337. <http://dx.doi.org/10.1080/01919512.2013.795851>.

Exposure Literature Search Results

Off Topic

- Takahashi, S; Kojima, K; Takahashi, S. (1999). Liquid structure of aqueous 1,4-dioxane solution using the chemical shift of O-17-NMR. *Kagaku Kogaku Ronbunshu*. 25: 608-612.
- Takahashi, S; Okonogi, H; Hagiwara, T; Maekawa, Y. (2008). Preparation of polymer electrolyte membranes consisting of alkyl sulfonic acid for a fuel cell using radiation grafting and subsequent substitution/elimination reactions. *J Memb Sci*. 324: 173-180. <http://dx.doi.org/10.1016/j.memsci.2008.07.012>.
- Takamuku, T; Noguchi, Y; Nakano, M; Matsugami, M; Iwase, H; Otomo, T. (2007). Microinhomogeneity for aqueous mixtures of water-miscible organic solvents. *Ceramic Society of Japan Journal*. 115: 861-866.
- Take, M; Ohnishi, M; Yamamoto, S; Matsumoto, M; Nagano, K; Fukushima, S. (2012). Distribution of 1,4-dioxane by combined inhalation plus oral exposure routes in rats. *Int J Environ Anal Chem*. 92: 1715-1728. <http://dx.doi.org/10.1080/03067319.2011.581370>.
- Takeno, K; Yokoyama, T; Matsumoto, Y. (2012). EFFECT OF SOLVENT ON THE beta-O-4 BOND CLEAVAGE OF A LIGNIN MODEL COMPOUND BY TERT-BUTOXIDE UNDER MILD CONDITIONS. *BioResources*. 7: 15-25.
- Takigawa, T; Ogawa, H; Nakamura, M; Tamura, K; Murakami, S. (1995). THERMODYNAMIC PROPERTIES (H-M(E), C-P,M(E), V-M(E), KAPPA-T-E) OF BINARY MIXTURES(X1,3-DIOXANE PLUS (1-X)CYCLOHEXANE) AT 298.15 K. *Fluid Phase Equilibria*. 110: 267-281.
- Takigawa, T; Ogawa, H; Tamura, K; Murakami, S. (1997). Excess enthalpies of binary mixtures {xdioxane isomer plus (1-x)non-polar liquid} at 298.15 K. *Fluid Phase Equilibria*. 136: 257-267.
- Talhami, A; Penn, L; Jaber, N; Hamza, K; Blum, J. (2006). Sol-gel entrapped dichlorobis(triphenylphosphine)palladium as an efficient recyclable catalyst for the cross-coupling of aryl halides with indium- and related alkylating reagents. *Appl Catal A-Gen*. 312: 115-119. <http://dx.doi.org/10.1016/j.apcata.2006.06.033>.
- Tamasaki, H; Sohmura, T; Teraoka, F; Yamamoto, T; Hirose, Y; Takahashi, J; Niwa, H. (2005). Fabrication of porous particulate for the scaffold by applying solution spraying method. *Dent Mater J*. 24: 76-82.
- Tamilarasan, R; Prabu, AA; Kumar, MD; Yoo, CK. (2008). Salt effect on the enthalpy of mixing of 1,4-dioxane + formic acid at 303.15 K. *Journal of Chemical and Engineering Data*. 53: 966-969. <http://dx.doi.org/10.1021/jc7007022>.
- Tamura, K; Bhuiyan, MMH. (2005). Excess molar enthalpies of ternary mixtures of ethanol plus 1-propanol plus tetrahydropyran or 1,4-dioxane at 298.15 K. *Journal of Chemical and Engineering Data*. 50: 66-71. <http://dx.doi.org/10.1021/jc049852v>.
- Tanabe, A; Kawata, K. (2009). Impact of N,N-dimethylformamide from domestic effluents on river waters. *Bull Environ Contam Toxicol*. 83: 841-845. <http://dx.doi.org/10.1007/s00128-009-9857-7>.
- Tanabe, A; Tsuchida, Y; Ibaraki, T; Kawata, K. (2006). Impact of 1,4-dioxane from domestic effluent on the Agano and Shinano Rivers, Japan. *Bull Environ Contam Toxicol*. 76: 44-51. <http://dx.doi.org/10.1007/s00128-005-0887-5>.
- Tanaka, T; Eguchi, S; Saitoh, H; Taniguchi, M; Lloyd, DR. (2008). Microporous foams of polymer blends of poly(L-lactic acid) and poly(epsilon-caprolactone). *Desalination*. 234: 175-183. <http://dx.doi.org/10.1016/j.desal.2007.09.084>.
- Tanaka, T; Lloyd, DR. (2004). Formation of poly(L-lactic acid) microfiltration membranes via thermally induced phase separation. *J Memb Sci*. 238: 65-73. <http://dx.doi.org/10.1016/j.memsci.2004.03.020>.
- Tanaka, T; Tsuchiya, T; Takahashi, H; Taniguchi, M; Ohara, H; Lloyd, DR. (2006). Formation of biodegradable polyesters membranes via thermally induced phase separation. *J Chem Eng Jpn*. 39: 144-153.
- Tanaka, T; Ueno, M; Watanabe, Y; Kouya, T; Taniguchi, M; Lloyd, DR. (2011). Poly(L-lactic acid) Microfiltration Membrane Formation via Thermally Induced Phase Separation with Drying. *J Chem Eng Jpn*. 44: 467-475.
- Tanaka, Y; Okada, T; Ogawa, M. (2009). Adsorption of tetrakis(p-sulfonatophenyl) porphyrin on kaolinite. *Journal of Porous Materials*. 16: 623-629. <http://dx.doi.org/10.1007/s10934-008-9240-9>.
- Tang, S; Dong, X. (2012). Theta Temperatures of Chlorinated Poly(propene) Solutions. *Journal of Chemical and Engineering Data*. 57: 1499-1501. <http://dx.doi.org/10.1021/jc300009n>.
- Tanimoto, M; Fukuoka, H; Shigemoto, N. (2010). Behavior of Gas Bubbling Vaporization and UV Irradiation Decomposition for 1,4-Dioxane in Wastewater. *Kagaku Kogaku Ronbunshu*. 36: 611-616.
- Tao, Y; Li, S; Li, P; Wu, Q. (2016). Thermogravimetric analyses (TGA) of lignins isolated from the residue of corn stover bioethanol (CSB) production. *Holzforschung*. 70: 1175-1182. <http://dx.doi.org/10.1515/hf-2016-0022>.
- Tasaki, H; Toshima, K; Matsumura, S. (2003). Enzymatic synthesis and polymerization of cyclic trimethylene carbonate monomer with/without methyl substituent. *Macromol Biosci*. 3: 436-441. <http://dx.doi.org/10.1002/mabi.200350013>.
- Taylor, BR; Kauzlarich, SM; Delgado, GR; Lee, HWH. (1999). Solution synthesis and characterization of quantum confined Ge nanoparticles. *Chem Mater*. 11: 2493-2500.
- Taylor, SW; Lange, CR; Lesold, EA. (1997). Biofouling of contaminated ground-water recovery wells: Characterization of microorganisms. *Ground Water*. 35: 973-980.
- Teamkao, P; Thiravetyan, P. (2010). Phytoremediation of ethylene glycol and its derivatives by the burhead plant (*Echinodorus cordifolius* (L.)): effect of molecular size. *Chemosphere*. 81: 1069-1074. <http://dx.doi.org/10.1016/j.chemosphere.2010.09.049>.
- Teamkao, P; Thiravetyan, P. (2015). Phytoremediation of Mono-, Di-, and Triethylene Glycol by *Echinodorus cordifolius* L. Griseb. *Int J Phytoremediation*. 17: 93-100. <http://dx.doi.org/10.1080/15226514.2013.810579>.
- Teichmann, L; Reuschenbach, P; Muller, B; Horn, H. (2002). 2D simulation of transport and degradation in the river Rhine. *Water Sci Technol*. 46: 99-104.
- Tekes, AT; Sinag, A; Misirhoglu, Z; Canel, M. (2002). Determination of swelling properties of Soma-Isiklar lignite (Turkey). *Energy Fuels*. 16: 1309-1313. <http://dx.doi.org/10.1021/ef020079o>.
- Tekuri, C; Singh, DK; Nath, M. (2016). Synthesis, characterization and optical properties of beta-substituted pyrrolo- and indolo[1,2-a]quinoxalinoporphyrins. *Dyes and Pigments*. 132: 194-203. <http://dx.doi.org/10.1016/j.dyepig.2016.04.045>.

Exposure Literature Search Results

Off Topic

- Teli, SB; Gokavi, GS; Sairam, M; Aminabhavi, TM. (2007). Highly water selective silicotungstic acid (H₄SiW₁₂O₄₀) incorporated novel sodium alginate hybrid composite membranes for pervaporation dehydration of acetic acid. *Separation and Purification Technology*. 54: 178-186. <http://dx.doi.org/10.1016/j.seppur.2006.09.002>.
- Teli, SB; Gokavi, GS; Tak, T, aeM; Aminabhavi, TM. (2009). Chitosan/Gelatin Blend Membranes for Pervaporation Dehydration of 1,4-Dioxane. *Separation Science and Technology*. 44: 3202-3223. <http://dx.doi.org/10.1080/01496390903182420>.
- ten Elshof, JE; Abadal, CR; Sekulic, J; Chowdhury, SR; Blank, DHA. (2003). Transport mechanisms of water and organic solvents through microporous silica in the pervaporation of binary liquids. *Microporous and Mesoporous Materials*. 65: 197-208. <http://dx.doi.org/10.1016/j.micromeso.2003.08.010>.
- Terreau, O; Bartels, C; Eisenberg, A. (2004). Effect of poly(acrylic acid) block length distribution on polystyrene-b-poly(acrylic acid) block copolymer aggregates in solution. 2. A partial phase diagram. *Langmuir*. 20: 637-645. <http://dx.doi.org/10.1021/la035557h>.
- Terreau, O; Luo, LB; Eisenberg, A. (2003). Effect of poly(acrylic acid) block length distribution on polystyrene-b-poly(acrylic acid) aggregates in solution. 1. Vesicles. *Langmuir*. 19: 5601-5607. <http://dx.doi.org/10.1021/la0269715>.
- Teshome, A; Kay, AJ; Woolhouse, AD; Clays, K; Asselberghs, I; Smith, GJ. (2009). Strategies for optimising the second-order nonlinear optical response in zwitterionic merocyanine dyes. *Optical Materials*. 31: 575-582. <http://dx.doi.org/10.1016/j.optmat.2008.06.016>.
- Thangjam, PD; Rajkumari, L. (2010). Potentiometric Studies on the Complexation Reactions of N-(2,2-[1-(3-Aminophenyl)ethylidene]hydrazino-2-oxoethyl)benzamide with Ni²⁺, Cu²⁺, and Cd²⁺ Ions in Aqueous Dioxane and Micellar Media. *Journal of Chemical and Engineering Data*. 55: 1166-1172. <http://dx.doi.org/10.1021/jc900583g>.
- Thenappan, T; Subramanian, M. (2001). Dielectric studies of hydrogen bonded complexes of alcohols with nitriles. *Mater Sci Eng B*. 86: 7-10.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2012). Novel template confinement derived from polybenzoxazine-based carbon xerogels for synthesis of ZSM-5 nanoparticles via microwave irradiation. *Microporous and Mesoporous Materials*. 156: 7-15. <http://dx.doi.org/10.1016/j.micromeso.2012.01.035>.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2014). Self-formation of 3D interconnected macroporous carbon xerogels derived from polybenzoxazine by selective solvent during the sol-gel process. *Journal of Materials Science*. 49: 4946-4961. <http://dx.doi.org/10.1007/s10853-014-8196-1>.
- Tian, G; Wu, QY; Li, A, ng; Wang, W; Hu, HY. (2014). Enhanced decomposition of 1,4-dioxane in water by ozonation under alkaline condition. *Water Sci Technol*. 70: 1934-1940. <http://dx.doi.org/10.2166/wst.2014.414>.
- Tian, MM; Qin, AW; Ramireddy, C; Webber, SE; Munk, P; Tuzar, Z; Prochazka, K. (1993). HYBRIDIZATION OF BLOCK-COPOLYMER MICELLES. *Langmuir*. 9: 1741-1748.
- Tian, W, eiC; Ho, Y, uH; Chou, CH. (2013). Photoactivated TiO₂ Gas Chromatograph Detector for Diverse Chemical Compounds Sensing at Room Temperature. *IEEE Sens J*. 13: 1725-1729. <http://dx.doi.org/10.1109/JSEN.2013.2242259>.
- Tien, J; Terfort, A; Whitesides, GM. (1997). Microfabrication through electrostatic self-assembly. *Langmuir*. 13: 5349-5355.
- Timofeeva, MN; Panchenko, VN; Khan, NA; Hasan, Z; Prosvirin, IP; Tsybulya, SV; Jhung, SH, wa. (2017). Isostructural metal-carboxylates MIL-100(M) and MIL-53(M) (M: V, Al, Fe and Cr) as catalysts for condensation of glycerol with acetone. *Appl Catal A-Gen*. 529: 167-174. <http://dx.doi.org/10.1016/j.apcata.2016.11.006>.
- Timofeeva, SA; Yakupova, LR; Safiullin, RL; Zlotskii, SS. (2012). Synthesis and inhibiting activity of pyrocatechol monoethers. *Petroleum Chemistry*. 52: 432-436. <http://dx.doi.org/10.1134/S096554411205012X>.
- Tirsoaga, A; Cojocar, B; Teodorescu, C; Vasiliu, F; Grecu, MN; Ghica, D; Parvulescu, VI; Garcia, H. (2016). C-N cross-coupling on supported copper catalysts: The effect of the support, oxidation state, base and solvent. *J Catal*. 341: 205-220. <http://dx.doi.org/10.1016/j.jcat.2016.06.011>.
- Tiwari, S; Ghosh, KK. (2008). Micellization of Cetyltributylphosphonium Bromide in some Binary Aqueous Solvents Mixtures. *Tenside Surfactants Detergents*. 45: 263-267.
- Todorovic, ZB; Stamenkovic, OS; Stamenkovic, IS; Avramovic, JM; Velickovic, A, naV; Bankovic-Ilic, IB; Veljkovic, VB. (2013). The effects of cosolvents on homogeneously and heterogeneously base-catalyzed methanolysis of sunflower oil. *Fuel*. 107: 493-502. <http://dx.doi.org/10.1016/j.fuel.2012.11.049>.
- Tokudome, Y; Naleane, K; Takahashi, M. (2014). Mesostructured carbon film with morphology-induced hydrophilic surface through a dewetting-free coating process. *Carbon*. 77: 1104-1110. <http://dx.doi.org/10.1016/j.carbon.2014.06.028>.
- Torang, L; Reuschenbach, P; Muller, B; Nyholm, N. (2002). Laboratory shake flask batch tests can predict field biodegradation of aniline in the Rhine. *Chemosphere*. 49: 1257-1265.
- Toti, US; Kariduraganavar, MY; Aralaguppi, MI; Aminabhavi, TM. (2000). Density, viscosity, refractive index, and speed of sound of ternary systems: Polystyrene in 1,4-dioxane plus tetrahydrofuran mixtures at (298.15, 303.15, and 308.15) K. *Journal of Chemical and Engineering Data*. 45: 920-925.
- Tran-Ba, KH, oa; Finley, JJ; Higgins, DA; Ito, T. (2012). Single-Molecule Tracking Studies of Millimeter-Scale Cylindrical Domain Alignment in Polystyrene-Poly(ethylene oxide) Diblock Copolymer Films Induced by Solvent Vapor Penetration. *Journal of Physical Chemistry Letters*. 3: 1968-1973. <http://dx.doi.org/10.1021/jz300647z>.
- Trytek, M; Fiedurek, J, an; Gromada, A. (2016). Effect of some abiotic stresses on the biotransformation of a-pinene by a psychrotrophic *Chrysosporium pannorum*. *Biochem Eng J*. 112: 86-93. <http://dx.doi.org/10.1016/j.bej.2016.03.010>.
- Tsai, HA; Kuo, CY; Su, SL; Wang, DM; Lai, JY. (2009). The morphological evolution of solvent-containing PMMA membranes in various solvent removal processes. *J Memb Sci*. 345: 288-297. <http://dx.doi.org/10.1016/j.memsci.2009.09.011>.
- Tsvintzelis, I; Economou, IG; Kontogeorgis, GM. (2009). Modeling the Solid-Liquid Equilibrium in Pharmaceutical-Solvent Mixtures: Systems with Complex Hydrogen Bonding Behavior. *AIChE J*. 55: 756-770. <http://dx.doi.org/10.1002/aic.11716>.

Exposure Literature Search Results

Off Topic

- Tsukada, H; Yamada, N; Taniguchi, E; Kawano, E. (2000). Synthesis and lateral root-inducing activity of novel 2-piperidones with a 1,4-benzodioxan ring. *Kyushu University Faculty of Agriculture Journal*. 44: 317-328.
- Tsunoji, N, ao; Ikeda, T; Ide, Y; Sadakane, M; Sano, T. (2012). Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO₂-choline hydroxide-NaOH-H₂O system. *J Mater Chem*. 22: 13682-13690. <http://dx.doi.org/10.1039/c2jm31872e>.
- Tsutsumi, Y; Kondo, R; Sakai, K; Imamura, H. (1995). THE DIFFERENCE OF REACTIVITY BETWEEN SYRINGYL LIGNIN AND GUAIACYL LIGNIN IN ALKALINE SYSTEMS. *Holzforschung*. 49: 423-428.
- Tsvetkov, NV; Bushin, SV; Bezrukova, MA; Astapenko, EP; Mikusheva, NG; Lebedeva, EV; Podseval'nikova, AN; Khripunov, AK. (2013). Conformational and optical properties of macromolecules of some aliphatic-substituted cellulose esters. *Cellulose*. 20: 1057-1071. <http://dx.doi.org/10.1007/s10570-013-9913-7>.
- Tudorachi, N; Lipsa, R. (2004). The synthesis and characterization of some copolymers based on poly(ethylene glycol) or poly(vinyl alcohol) with lactic acid. *Materiale Plastice*. 41: 99-104.
- Tuomela, M; Lyytikainen, M; Oivanen, P; Hatakka, A. (1999). Mineralization and conversion of pentachlorophenol (PCP) in soil inoculated with the white-rot fungus *Trametes versicolor*. *Soil Biol Biochem*. 31: 65-74.
- Tuomela, M; Oivanen, P; Hatakka, A. (2002). Degradation of synthetic C-14-lignin by various white-rot fungi in soil. *Soil Biol Biochem*. 34: 1613-1620.
- Turac, E; Sahmetlioglu, E. (2010). Oxidative polymerization of 4-[(4-phenylazo-phenylimino)-methyl]-phenol catalyzed by horseradish peroxidase. *Synthetic Metals*. 160: 169-172. <http://dx.doi.org/10.1016/j.synthmet.2009.10.026>.
- Turay, CB; Erdogan, MK; Karakisa, M; Sacak, M. (2016). Conductive poly(o-anisidine)/poly(ethylene terephthalate) nonwoven composite: Investigation of synthesis parameters and electromagnetic shielding effectiveness. *Journal of Industrial Textiles*. 46: 1104-1120. <http://dx.doi.org/10.1177/1528083715613629>.
- Tyagi, S; Kumar, R; Singh, UP. (2005). Solution studies of some binary and ternary lanthanide complexes. *Journal of Chemical and Engineering Data*. 50: 377-382. <http://dx.doi.org/10.1021/je0400097>.
- U.S. APHC. (2010). Studies on metabolism of 1,4-dioxane. (Toxicology Report No. 87-XE-08WR-09). Aberdeen Proving Ground, MD: U.S. Army Environmental Command.
- U.S. Congress. (2011). Consolidated Appropriations Act, 2012. (Pub. L. No. 112-74; 125 STAT. 786). 112th U.S. Congress. <https://www.gpo.gov/fdsys/pkg/PLAW-112publ74/pdf/PLAW-112publ74.pdf>.
- U.S. EPA. (1986). Guidelines for carcinogen risk assessment [EPA Report]. (EPA/630/R-00/004). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. http://epa.gov/raf/publications/pdfs/CA%20GUIDELINES_1986.PDF.
- U.S. EPA. (1986). Guidelines for mutagenicity risk assessment (pp. 1-17). (EPA/630/R-98/003). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/guidelines-mutagenicity-risk-assessment>.
- U.S. EPA. (1986). Guidelines for the health risk assessment of chemical mixtures (pp. 1-38). (EPA/630/R-98/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=22567>.
- U.S. EPA. (1988). Recommendations for and documentation of biological values for use in risk assessment (pp. 1-395). (EPA/600/6-87/008). Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=34855>.
- U.S. EPA. (1991). Guidelines for developmental toxicity risk assessment (pp. 1-71). (EPA/600/FR-91/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=23162>.
- U.S. EPA. (1994). Interim policy for particle size and limit concentration issues in inhalation toxicity studies. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticide Products. <http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=186068>.
- U.S. EPA. (1994). Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry [EPA Report] (pp. 1-409). (EPA/600/8-90/066F). Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office. <https://cfpub.epa.gov/ncea/risk/recorddisplay.cfm?deid=71993&CFID=51174829&CFTOKEN=25006317>.
- U.S. EPA. (1995). The use of the benchmark dose approach in health risk assessment. (EPA/630/R-94/007). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=30004WBL.txt>.
- U.S. EPA. (1996). Guidelines for reproductive toxicity risk assessment (pp. 1-143). (EPA/630/R-96/009). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
- U.S. EPA. (1998). Guidelines for neurotoxicity risk assessment [EPA Report] (pp. 1-89). (EPA/630/R-95/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/risk/guidelines-neurotoxicity-risk-assessment>.
- U.S. EPA. (2000). Benchmark dose technical guidance document [external review draft] [EPA Report] (pp. 1-96). (EPA/630/R-00/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. https://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=4727.
- U.S. EPA. (2000). Science policy council handbook: Risk characterization (pp. 1-189). (EPA/100/B-00/002). Washington, D.C.: U.S. Environmental Protection Agency, Science Policy Council. <https://www.epa.gov/risk/risk-characterization-handbook>.
- U.S. EPA. (2000). Supplementary guidance for conducting health risk assessment of chemical mixtures (pp. 1-209). (EPA/630/R-00/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=20533>.
- U.S. EPA. (2002). A review of the reference dose and reference concentration processes (pp. 1-192). (EPA/630/P-02/002F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/osa/review-reference-dose-and-reference-concentration-processes>.

Exposure Literature Search Results

Off Topic

- U.S. EPA. (2002). Toxic Substances Control Act (TSCA) Inventory Update Database [Website]. Retrieved from <http://www.epa.gov/iur/>
- U.S. EPA. (2005). Guidelines for carcinogen risk assessment [EPA Report] (pp. 1-166). (EPA/630/P-03/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www2.epa.gov/osa/guidelines-carcinogen-risk-assessment>.
- U.S. EPA. (2005). Supplemental guidance for assessing susceptibility from early-life exposure to carcinogens (pp. 1-125). (EPA/630/R-03/003F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. https://www3.epa.gov/airtoxics/childrens_supplement_final.pdf.
- U.S. EPA. (2006). A framework for assessing health risk of environmental exposures to children (pp. 1-145). (EPA/600/R-05/093F). Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=158363>.
- U.S. EPA. (2006). Peer review handbook (3rd edition) [EPA Report]. (EPA/100/B-06/002). Washington, DC: U.S. Environmental Protection Agency, Science Policy Council. <http://www.epa.gov/peerreview/>.
- U.S. EPA. (2009). Status report: Advances in inhalation dosimetry of gases and vapors with portal of entry effects in the upper respiratory tract [EPA Report]. (EPA/600/R-09/072). Research Triangle Park, NC. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=212131>.
- U.S. EPA. (2011). Recommended use of body weight 3/4 as the default method in derivation of the oral reference dose (pp. 1-50). (EPA/100/R11/0001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum, Office of the Science Advisor. <https://www.epa.gov/risk/recommended-use-body-weight-34-default-method-derivation-oral-reference-dose>.
- U.S. EPA. (2012). Advances in inhalation gas dosimetry for derivation of a reference concentration (RfC) and use in risk assessment (pp. 1-140). (EPA/600/R-12/044). Washington, DC. <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=244650&CFID=50524762&CFTOKEN=17139189>.
- U.S. EPA. (2012). Benchmark dose technical guidance. (EPA/100/R-12/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/benchmark-dose-technical-guidance>.
- U.S. EPA. (2012). EPA announces NAS' review of IRIS assessment development process [Website]. Washington, DC. Retrieved from <http://yosemite.epa.gov/opa/admpress.nsf/0/1ce2a7875daf093485257a000054df54?OpenDocument>
- U.S. EPA. (2013). Toxic release inventory. 2011 TRI national analysis basic data files [Website]. Retrieved from <http://www2.epa.gov/toxics-release-inventory-tri-program/2011-tri-national-analysis-basic-data-files>
- U.S. EPA. (2013). WinBUGS model code in support of 1,4-dioxane IRIS assessment.
- Uehara, T; Nishimura, H; Furuno, T; Jodai, S; Sakata, I. (1993). EFFECT OF CORONA DISCHARGE TREATMENT ON BEECH WOOD MEAL. 39: 729-733.
- Uemura, T; Kadowaki, Y, u; Kim, C, hoR; Fukushima, T; Hiramatsu, D; Kitagawa, S. (2011). Incarceration of Nanosized Silica into Porous Coordination Polymers: Preparation, Characterization, and Adsorption Property. *Chem Mater*. 23: 1736-1741. <http://dx.doi.org/10.1021/cm102610r>.
- UNEP. (2000). The Montreal Protocol on substances that deplete the ozone layer. Nairobi, Kenya: United Nations Environment Programme, Ozone Secretariat. http://www.google.com/url?sa=t&source=web&cd=1&ved=OCBIQFjAA&url=http%3A%2F%2Fwww.unep.org%2Fozone%2Fpdfs%2Fmontreal-protocol2000.pdf&ei=-c89TPXON9PRngf-i-jdDg&usq=AFQjCNH4OHI5inPn5XFcYTvbiPPRDZu-fQ&sig2=qqSaM_nuQlX1Hc409kVgw.
- Upadhyaya, JS; Singh, SP. (1991). CHROMATOGRAPHIC STUDIES ON OXIDATION-PRODUCTS OF LIGNIN FROM SESBANIA-SESBAN. *Cellulose Chemistry and Technology*. 25: 219-226.
- Urban, S; Gestblom, B; Dabrowski, R. (1998). Dielectric studies of a 5-n-alkyl-2-(4'-isothiocyanatophenyl)-1,3-dioxane (nDBT) homologous series (n = 4-10). *Liquid Crystals*. 24: 681-688.
- Usachev, NY, a; Kalinin, VP; Udaltsova, EA; Kazakov, AV; Belanova, EP; Kagramanov, ND. (2013). Catalytic transformations of mixtures of ethers with aliphatic and aromatic nitriles on solid acids under supercritical conditions. *Petroleum Chemistry*. 53: 187-193. <http://dx.doi.org/10.1134/S0965544113030110>.
- Van den Brink, M; Van Herk, AM; German, AL. (1999). On-line monitoring and control of the solution polymerization of n-butyl acrylate in dioxane by Raman spectroscopy. 11: 265-275.
- Van Tran, A. (2001). Effect of pH on oxygen delignification of hardwood kraft pulp. 83: 405-410.
- Varam, Y; Rajkumari, L. (2011). Complexation of N'-[1-(2,4-Dihydroxyphenyl)ethylidene]isonicotinohydrazide with Lanthanide Ions. *Journal of Chemical and Engineering Data*. 56: 3552-3560. <http://dx.doi.org/10.1021/je200370d>.
- Vargantwar, PH; Brannock, MC; Tauer, K; Spontak, RJ. (2013). Midblock-sulfonated triblock ionomers derived from a long-chain poly[styrene-b-butadiene-b-styrene] triblock copolymer. 1: 3430-3439. <http://dx.doi.org/10.1039/c2ta00022a>.
- Varshney, S; Singh, M. (2006). Densities, viscosities, and excess molar volumes of ternary liquid mixtures of bromobenzene+1,4-dioxane + (benzene or plus toluene or plus carbon tetrachloride) and some associated binary liquid mixtures. *Journal of Chemical and Engineering Data*. 51: 1136-1140. <http://dx.doi.org/10.1021/je0600303>.
- Vasishtha, R; Srivastava, AK. (1997). Polymerization of methyl acrylate using a heterocyclic ylide as an initiator and degradative chain transfer agent. *Indian J Chem Tech*. 4: 13-17.
- Vasoya, PJ; Mehta, NM; Patel, VA; Parsania, PH. (2007). Effect of temperature on ultrasonic velocity and thermodynamic parameters of cardo aromatic polysulfonate solutions. *Journal of Sci Ind Res*. 66: 841-848.
- Vavasori, A; Ronchin, L; Toniolo, L. (2012). Influence of formic acid and water on the [Pd(OAc)(2)(dpp)] catalyzed ethene-carbon monoxide copolymerization carried out in aprotic organic solvents. *Appl Catal A-Gen*. 449: 198-202. <http://dx.doi.org/10.1016/j.apcata.2012.10.005>.

Exposure Literature Search Results

Off Topic

- Vedharaj, S; Vallinayagam, R; Yang, WM; Chou, SK; Lee, PS. (2014). Effect of adding 1,4-Dioxane with kapok biodiesel on the characteristics of a diesel engine. *Appl Energ.* 136: 1166-1173. <http://dx.doi.org/10.1016/j.apenergy.2014.04.012>.
- Veerapur, RS; Gudasi, KB; Sairam, M; Shenoy, RV; Netaji, M; Raju, KVS, N; Sreedhar, B; Aminabhavi, TM. (2007). Novel sodium alginate composite membranes prepared by incorporating cobalt(III) complex particles used in pervaporation separation of water-acetic acid mixtures at different temperatures. *Journal of Materials Science.* 42: 4406-4417. <http://dx.doi.org/10.1007/s10853-006-0652-0>.
- Veerapur, RS; Patil, MB; Gudasi, KB; Aminabhavi, TM. (2008). Poly(vinyl alcohol)-zeolite T mixed matrix composite membranes for pervaporation separation of water+1,4-dioxane mixtures. *Separation and Purification Technology.* 58: 377-385. <http://dx.doi.org/10.1016/j.seppur.2007.05.015>.
- Ventura, F; Matia, L; Romero, J; Boleda, MR; Marti, I; Martin, J. (1995). Taste and odor events in barcelona's water supply. *Water Sci Technol.* 31: 63-68.
- Vernon, B; Martinez, A. (2005). Gel strength and solution viscosity of temperature-sensitive, in-situ-gelling polymers for endovascular embolization. *J Biomater Sci Polym Ed.* 16: 1153-1166.
- Vescovi, T; Coleman, HM; Amal, R. (2010). The effect of pH on UV-based advanced oxidation technologies--1,4-dioxane degradation. *J Hazard Mater.* 182: 75-79. <http://dx.doi.org/10.1016/j.jhazmat.2010.06.001>.
- Vialaneix, C; Senet, JP; Mouloungui, Z; Delmas, M; Gaset, A. (1991). SYNTHESIS AND INSECTICIDAL ACTIVITY OF NEW PROCARBOFURANS. *J Agric Food Chem.* 39: 1521-1526.
- Vieira, I; Sonnier, M; Cresteil, T. (1996). Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. *Eur J Biochem.* 238: 476-483. <http://dx.doi.org/10.1111/j.1432-1033.1996.0476z.x>.
- Vijila, C; Ramalingam, A. (2001). Photophysical characteristics of coumarin 485 dye doped poly(methyl methacrylate) modified with various additives. *J Mater Chem.* 11: 749-755.
- Villanueva, GB; Batt, CW; Brunner, W. (1975). EFFECTS OF DIOXANE ON THROMBIN ACTIVITIES. *Bull NY Acad Med.* 51: 330-330.
- Vinay, KB; Revanasiddappa, HD; Raghu, MS; Abdulrahman, SA; Rajendraprasad, N. (2012). Spectrophotometric Determination of Mycophenolate Mofetil as Its Charge-Transfer Complexes with Two π -Acceptors. 2012: 875942. <http://dx.doi.org/10.1155/2012/875942>.
- Vivas, N; Pianet, I; Bourgeois, G; Vitry, C; Servens, C; Glories, Y. (1998). Characterization of heartwood lignin fractions from *Quercus robur* L. and *Quercus petraea* (Matt) Liebl., the main oak species used for barrel making. *American Journal of Enology and Viticulture.* 49: 49-55.
- Vivekanand, V; Chawade, A; Larsson, M; Larsson, A; Olsson, O. (2014). Identification and qualitative characterization of high and low lignin lines from an oat TILLING population. *Ind Crop Prod.* 59: 1-8. <http://dx.doi.org/10.1016/j.indcrop.2014.04.019>.
- Vyhalkova, R; Müller, AH; Eisenberg, A. (2014). Control of morphology and corona composition in aggregates of mixtures of PS-b-PAA and PS-b-P4VP diblock copolymers: effects of solvent, water content, and mixture composition. *Langmuir.* 30: 13152-13163. <http://dx.doi.org/10.1021/la5028527>.
- Wagenaar, WJ; Boelhouwers, EJ; Dekok, HAM; Groen, CP; Vanhoutenlaan, CJ; Govers, HAJ; Olie, K; Degerlache, J; Derooij, CG. (1995). A COMPARATIVE-STUDY OF THE PHOTOLYTIC DEGRADATION OF OCTACHLORODIBENZOFURAN (OCDF) AND OCTACHLORODIBENZO-P-DIOXIN (OCDD). *Chemosphere.* 31: 2983-2992.
- Wala-Jerzykiewicz, A; Hreczuch, W; Szymanowski, J. (1999). Toxic contaminants in narrow- and broad-range distributed alcohol ethoxylates. *Tenside Surfactants Detergents.* 36: 122-126.
- Wala-Jerzykiewicz, A; Jerzykiewicz, W; Sobczynska, A; Szymanowski, J. (1999). Toxic contaminants in polyoxyethylene alkylamines. *Tenside Surfactants Detergents.* 36: 173-177.
- Waldemer, RH; Tratnyek, PG. (2006). Kinetics of contaminant degradation by permanganate. *Environ Sci Technol.* 40: 1055-1061. <http://dx.doi.org/10.1021/es051330s>.
- Walsh, CJ; Mandal, BK. (2000). A novel method for the peripheral modification of phthalocyanines. Synthesis and third-order nonlinear optical absorption of beta-tetrakis (2,3,4,5,6-pentaphenylbenzene)phthalocyanine. *Chem Mater.* 12: 287-+.
- Wang, B; Qiu, T; Li, S. (2010). Liquid-Liquid Equilibrium for the System Water+1,4-Dioxane+2,6-Dimethyloct-7-en-2-ol over the Temperature Range of (343.2 to 358.2) K. *Journal of Chemical and Engineering Data.* 55: 558-560. <http://dx.doi.org/10.1021/je900366m>.
- Wang, BL; Duggleby, RG; Li, ZM; Wang, JG; Li, YH; Wang, SH; Song, HB. (2005). Synthesis, crystal structure and herbicidal activity of mimics of intermediates of the KARI reaction. *Pest Manag Sci.* 61: 407-412. <http://dx.doi.org/10.1002/ps.972>.
- Wang, CW; Sinton, D; Moffitt, MG. (2013). Morphological control via chemical and shear forces in block copolymer self-assembly in the lab-on-chip. *ACS Nano.* 7: 1424-1436. <http://dx.doi.org/10.1021/nn305197m>.
- Wang, F; Jing, X; Zheng, B; Li, G; Zeng, G; Huo, Q; Liu, Y. (2013). Four Cd-Based Metal-Organic Frameworks with Structural Varieties Derived from the Replacement of Organic Linkers. *Cryst Growth Des.* 13: 3522-3527. <http://dx.doi.org/10.1021/cg400486q>.
- Wang, H; Bakheet, B; Yuan, S, hi; Li, X; Yu, G; Murayama, S; Wang, Y. (2015). Kinetics and energy efficiency for the degradation of 1,4-dioxane by electro-peroxone process. *J Hazard Mater.* 294: 90-98. <http://dx.doi.org/10.1016/j.jhazmat.2015.03.058>.
- Wang, H; Liu, S; Zhao, Y; Zhang, H; Wang, J. (2016). Molecular Origin for the Difficulty in Separation of 5-Hydroxymethylfurfural from Imidazolium Based Ionic Liquids. 4: 6712-6721. <http://dx.doi.org/10.1021/acssuschemengb01652>.
- Wang, H; Yuan, S, hi; Zhan, J; Wang, Y; Yu, G; Deng, S; Huang, J, un; Wang, B, in. (2015). Mechanisms of enhanced total organic carbon elimination from oxalic acid solutions by electro-peroxone process. *Water Res.* 80: 20-29. <http://dx.doi.org/10.1016/j.watres.2015.05.024>.
- Wang, J; Heitner, C; Manley, RSJ. (1998). The photodegradation of milled wood lignin. Part III: The effect of time and media. *Journal of Pulp & Paper Science.* 24: 337-340.
- Wang, J; Zhang, M; Zheng, Z, hi; Yu, F; Ji, J. (2013). The indirect conversion of glycerol into 1,3-dihydroxyacetone over magnetic polystyrene nanosphere immobilized TEMPO catalyst. *Chem Eng J.* 229: 234-238. <http://dx.doi.org/10.1016/j.cej.2013.05.113>.

Exposure Literature Search Results

Off Topic

- Wang, J; Zhang, W; Li, W; Xing, W. (2015). Preparation and characterization of chitosan-poly (vinyl alcohol)/polyvinylidene fluoride hollow fiber composite membranes for pervaporation dehydration of isopropanol. *Korean J Chem Eng.* 32: 1369-1376. <http://dx.doi.org/10.1007/s11814-014-0328-4>.
- Wang, K; Jiang, S; Liu, J; Nie, J, un; Yu, Q. (2011). Benzophenone-di-1,3-dioxane as a novel initiator for free radical photopolymerization. *Progr Org Coating.* 72: 517-521. <http://dx.doi.org/10.1016/j.porgcoat.2011.06.011>.
- Wang, K; Ma, G; Yin, R; Nie, J, un; Yu, Q. (2010). Benzophenone-1,3-dioxane as a free radial initiator for photopolymerization. *Mater Chem Phys.* 124: 453-457. <http://dx.doi.org/10.1016/j.matchemphys.2010.06.065>.
- Wang, L, in; Wang, J; Bao, Y; Li, T. (2007). Solubility of irbesartan (form A) in different solvents between 278 K and 323 K. *Journal of Chemical and Engineering Data.* 52: 2016-2017. <http://dx.doi.org/10.1021/je700296x>.
- Wang, L; Zhang, DL; Du, ZP; Wang, GY; Wang, SJ; Cao, Y. (2011). Synthesis and Properties of Lactobionamide-Based Polysiloxane Surfactant. *Tenside Surfactants Detergents.* 48: 281-285.
- Wang, M; Zhang, M; Siegers, C; Scholes, GD; Winnik, MA. (2009). Polymer vesicles as robust scaffolds for the directed assembly of highly crystalline nanocrystals. *Langmuir.* 25: 13703-13711. <http://dx.doi.org/10.1021/la900523s>.
- Wang, S; Li, Q, unS; Lin, X, iuZ; Wang, H, aiRui; Liu, L. (2007). Solubility of 3-nitrophthalic acid in different solvents between 278 K and 353 K. *Journal of Chemical and Engineering Data.* 52: 876-877. <http://dx.doi.org/10.1021/je0604737>.
- Wang, S; Zhang, P; Song, Z; Du, Y; Qu, Y. (2014). Solution thermodynamics of S-ibuprofen n-octyl-d-glucamine salt in ethanol plus water cosolvent mixtures. *Fluid Phase Equilibria.* 372: 69-75. <http://dx.doi.org/10.1016/j.fluid.2014.04.003>.
- Wang, S, hu; Zhang, T; Li, J; Fang, L; Liu, X; Guo, M, in. (2016). Exploration of the Origin of the UV Absorption Performance of Windmill Palm Fiber. *BioResources.* 11: 2607-2616.
- Wang, TT; Lee, SC. (2004). Stearic acid via organometallic phase transfer catalyzed hydrogenation of oleic acid. *Journal of the Chinese Institute of Chemical Engineers.* 35: 179-188.
- Wang, XL; Chen, YY; Wang, YZ. (2010). Synthesis of poly(p-dioxanone) catalyzed by Zn L-lactate under microwave irradiation and its application in ibuprofen delivery. *J Biomater Sci Polym Ed.* 21: 927-936. <http://dx.doi.org/10.1163/156856209X452269>.
- Wang, XL; Yang, KK; Wang, YZ; Wang, DY; Yang, Z. (2004). Crystallization and morphology of a novel biodegradable polymer system: poly(1,4-dioxan-2-one)/starch blends. *Acta Materialia.* 52: 4899-4905. <http://dx.doi.org/10.1016/j.actamat.2004.06.044>.
- Wang, XM; Yasukawa, E; Kasuya, S. (2000). Lithium imide electrolytes with two-oxygen-atom-containing cycloalkane solvents for 4 V lithium metal rechargeable batteries. *J Electrochem Soc.* 147: 2421-2426.
- Wang, XP; Li, N; Wang, WZ. (2001). Pervaporation properties of novel alginate composite membranes for dehydration of organic solvents. *J Memb Sci.* 193: 85-95.
- Wang, Z; Cao, Y; Song, J; Xie, Z; Wang, Y. (2016). Cooperation of Amphiphilicity and Crystallization for Regulating the Self-Assembly of Poly(ethylene glycol)-block-poly(lactic acid) Copolymers. *Langmuir.* 32: 9633-9639. <http://dx.doi.org/10.1021/acs.langmuir.6b02211>.
- Ward, JM; Uno, H; Kurata, Y; Weghorst, CM; Jang, JJ. (1993). Cell-proliferation not associated with carcinogenesis in rodents and humans [Review]. *Environ Health Perspect.* 101: 125-135. <http://dx.doi.org/10.2307/3431855>.
- Warth, V; Stef, N; Glaude, PA; Battin-Leclerc, F; Scacchi, G; Come, GM. (1998). Computer-aided derivation of gas-phase oxidation mechanisms: Application to the modeling of the oxidation of n-butane. *Combust Flame.* 114: 81-102.
- Watanabe, J; Hayashi, S; Kawajiri, K. (1994). Different regulation and expression of the human CYP2E1 gene due to the RsaI polymorphism in the 5'-flanking region. *J Biochem.* 116: 321-326.
- Waxman, DJ; Pampori, NA; Ram, PA; Agrawal, AK; Shapiro, BH. (1991). Interpulse interval in circulating growth hormone patterns regulates sexually dimorphic expression of hepatic cytochrome P450. *Proc Natl Acad Sci USA.* 88: 6868-6872.
- Wei, G; Ma, PX. (2004). Structure and properties of nano-hydroxyapatite/polymer composite scaffolds for bone tissue engineering. *Biomaterials.* 25: 4749-4757. <http://dx.doi.org/10.1016/j.biomaterials.2003.12.005>.
- Wesslein, M; Heintz, A; Lichtenthaler, RN. (1990). Pervaporation of liquid-mixtures through poly(vinyl alcohol) (PVA) membranes .2. The binary-systems methanol 1-propanol and methanol dioxane and the ternary-system water-methanol 1-propanol. *J Memb Sci.* 51: 181-188.
- Whited, BM; Goldstein, AS; Skrtic, D; Love, BJ. (2006). Fabrication and characterization of poly(DL-lactic-co-glycolic acid)/zirconia-hybridized amorphous calcium phosphate composites. *J Biomater Sci Polym Ed.* 17: 403-418.
- Wielgus, M; Michalska, J; Samoc, M; Bartkowiak, W. (2015). Two-photon solvatochromism III: Experimental study of the solvent effects on two-photon absorption spectrum of p-nitroaniline. *Dyes and Pigments.* 113: 426-434. <http://dx.doi.org/10.1016/j.dyepig.2014.09.009>.
- Wiemann, C; Enzmann, H; Löser, E; Schlüter, G. (1999). Nonlinearity of nuclear enlargement in hepatocytes induced by the carcinogen N¹-nitrosomorpholine in Ovo. *Cancer Detect Prev.* 23: 485-495.
- Winzer, A; Meisser, J. (1995). RADIOCHEMICAL STUDIES OF THE INFLUENCE OF PHOTOGRAPHICALLY ACTIVE SUBSTANCES ON THE KINETICS OF THE MASS-TRANSFER AT SILVER-HALIDE CRYSTALS .12. THE INFLUENCE OF ORGANIC-SOLVENTS. 22: 225-238.
- Wolfe, NL; Jeffers, PM. (2000). Hydrolysis. In RS Boethling; D Mackay (Eds.), (pp. 311-333). Boca Raton, FL: Lewis Publishers. <http://dx.doi.org/10.1201/9781420026283.ch13>.
- Wolfe, PS; Lochee, Y; Jhurry, D; Bhaw-Luximon, A; Bowlin, GL. (2011). Characterization of Electrospun Novel Poly(ester-ether) Copolymers: 1,4-Dioxan-2-one and D,L-3-Methyl-1,4-dioxan-2-one. *Journal of Engineered Fabrics and Fibers.* 6: 60-69.
- Wolford, ST; Schroer, RA; Gohs, FX; Gallo, PP; Brodeck, M; Falk, HB; Ruhner, R. (1986). Reference range data base for serum chemistry and hematology values in laboratory animals. *J Toxicol Environ Health A.* 18: 161-188. <http://dx.doi.org/10.1080/15287398609530859>.
- Wong, BM; Lacina, D; Nielsen, IM; Graetz, J; Allendorf, MD. (2011). Thermochemistry of Alane Complexes for Hydrogen Storage: A Theoretical and Experimental Investigation. *J Phys Chem C.* 115: 7778-7786. <http://dx.doi.org/10.1021/jp112258s>.

Exposure Literature Search Results

Off Topic

- Woodbury, A; Sudicky, E; Ulyrch, TJ; Ludwig, R. (1998). Three-dimensional plume source reconstruction using minimum relative entropy inversion. *J Contam Hydrol.* 32: 131-158.
- Wright, PJ; Wallis, AFA. (1998). Rapid determination of cellulose in plantation eucalypt woods to predict kraft pulp yields. *Tappi Journal.* 81: 126-130.
- Wroblewski, AE; Verkade, JG. (1992). MOISTURE RELEASE FROM ARGONNE PREMIUM COAL SAMPLES - A QUANTITATIVE P-31 NMR SPECTROSCOPIC STUDY. *Energy Fuels.* 6: 331-335.
- Wu, J; Low, PF; Roth, CB. (1994). EFFECT OF 1,4-DIOXANE ON THE EXPANSION OF MONTMORILLONITE LAYERS IN MONTMORILLONITE WATER-SYSTEMS. *Clays and Clay Minerals.* 42: 109-113.
- Wu, M, in; Li, CL; Zhang, J, in; Miao, C, cun; Zheng, YP; Sun, Y, ueM. (2012). ZrO₂-MoO₃ for the Acetalization of 1,3-Propanediol from Dilute Solutions. *Ind Eng Chem Res.* 51: 6304-6309. <http://dx.doi.org/10.1021/ie202370q>.
- Wu, M; Ni, JB; Yang, ZH; Li, CL; Bu, CF; Sun, YM. (2010). Preparation of Zirconia Promoted Sulfated Titania System with High Catalytic Activity. *Chem Eng Tech.* 33: 2044-2050. <http://dx.doi.org/10.1002/ceat.201000206>.
- Wu, P, anPan; Zhao, DM, ei; Li, L, iXia; Wang, H, aiSu; Liu, G, uoD. (2013). Preparation of Blends of Poly(methyl methacrylate) Copolymers With High Glass Transition Temperatures and Low Hydrophilicity. *Polymer Engineering and Science.* 53: 2370-2377. <http://dx.doi.org/10.1002/pen.23502>.
- Wu, Y, iC; Huang, HP; Chien, IL. (2014). Investigation of the Energy-Saving Design of an Industrial 1,4-Dioxane Dehydration Process with Light Feed Impurity. *Ind Eng Chem Res.* 53: 15667-15685. <http://dx.doi.org/10.1021/ie501831>.
- Wu, Z; Chen, H; Liu, X; Zhang, Y; Li, D; Huang, H. (2009). Protein adsorption on poly(N-vinylpyrrolidone)-modified silicon surfaces prepared by surface-initiated atom transfer radical polymerization. *Langmuir.* 25: 2900-2906. <http://dx.doi.org/10.1021/la8037523>.
- Wu, ZH; Tanaka, H. (1996). Amidations of rosin with isocyanates. *Kyushu University Faculty of Agriculture Journal.* 41: 83-89.
- Xia, C; Liu, Y; Zhou, S; Yang, C; Liu, S; Xu, J, ie; Yu, J; Chen, J; Liang, X. (2009). The Pd-catalyzed hydrodechlorination of chlorophenols in aqueous solutions under mild conditions: A promising approach to practical use in wastewater. *J Hazard Mater.* 169: 1029-1033. <http://dx.doi.org/10.1016/j.jhazmat.2009.04.043>.
- Xiao, Z; Jia, Y; Haoran, L; Shijun, H. (2007). Prediction of vapor-liquid equilibrium data from C-H band shift of IR spectra in some binary systems. *Chinese Journal of Chemical Engineering.* 15: 97-101.
- Xiong, F; Zhou, L; Qian, L; Liu, S. (2015). Effects of Pretreatment Methods Using Various 1,4-Dioxane Concentrations on the Performance of Lignocellulosic Films of *Eucalyptus citriodora*. *BioResources.* 10: 1149-1161.
- Xu, F; Jiang, JX; Sun, R; Tang, JN; Sun, J; Su, Y. (2008). Fractional isolation and structural characterization of mild ball-milled lignin in high yield and purity from *Eucommia ulmoides* Oliv. *Wood Science and Technology.* 42: 211-226. <http://dx.doi.org/10.1007/s00226-007-0162-5>.
- Xu, F; Sun, R, unC; Zhai, M, eiZhi; Sun, J, inXia; She, D; Geng, ZC; Lu, Q, i. (2008). Fractional separation of hemicelluloses and lignin in high yield and purity from mild ball-milled *Periploca sepium*. *Separation Science and Technology.* 43: 3351-3375. <http://dx.doi.org/10.1080/01496390802063721>.
- Xu, J, iKun; Sun, YC; Xu, F; Sun, R, unC. (2013). Characterization of Hemicelluloses Obtained from Partially Delignified *Eucalyptus* Using Ionic Liquid Pretreatment. *BioResources.* 8: 1946-1962.
- Xu, J; Zheng, H; Liu, H; Zhou, C; Zhao, Y; Li, Y; Li, Y. (2010). Crystal Hierarchical Supramolecular Architectures from 1-D Precursor Single-Crystal Seeds. *J Phys Chem C.* 114: 2925-2931. <http://dx.doi.org/10.1021/jp911595m>.
- Xu, K; Chanthad, C; Hickner, MA; Wang, Q. (2010). Highly selective proton conductive networks based on chain-end functionalized polymers with perfluorosulfonate side groups. *J Mater Chem.* 20: 6291-6298. <http://dx.doi.org/10.1039/c000044b>.
- Xu, M; Li, Y; Suo, H; Yan, Y; Liu, L; Wang, Q; Ge, Y; Xu, Y. (2010). Fabricating a pearl/PLGA composite scaffold by the low-temperature deposition manufacturing technique for bone tissue engineering. *Biofabrication.* 2: 025002. <http://dx.doi.org/10.1088/1758-5082/2/2/025002>.
- Xu, RJ; Leonard, J; Bui, VT. (1996). Vapor pressure for mixtures of methylene ester oligomers with p-dioxane and chloroform. *Journal of Chemical and Engineering Data.* 41: 681-684.
- Xue, L; Han, Y. (2009). Autophobic dewetting of a poly(methyl methacrylate) thin film on a silicon wafer treated in good solvent vapor. *Langmuir.* 25: 5135-5140. <http://dx.doi.org/10.1021/la8041814>.
- Yadav, DJS; Singh, KC; Sharma, VK. (2008). Molar excess volumes and excess isentropic compressibilities of ternary mixtures of o-toluidine. *Journal of Chemical and Engineering Data.* 53: 1935-1939. <http://dx.doi.org/10.1021/je800100m>.
- Yadav, GD; Hude, MP; Talpade, AD. (2015). Microwave assisted process intensification of lipase catalyzed transesterification of 1,2 propanediol with dimethyl carbonate for the green synthesis of propylene carbonate: Novelities of kinetics and mechanism of consecutive reactions. *Chem Eng J.* 281: 199-208. <http://dx.doi.org/10.1016/j.cej.2015.06.036>.
- Yadav, GD; Jadhav, SR. (2005). Synthesis of reusable lipases by immobilization on hexagonal mesoporous silica and encapsulation in calcium alginate: Transesterification in non-aqueous medium. *Microporous and Mesoporous Materials.* 86: 215-222. <http://dx.doi.org/10.1016/j.micromeso.2005.07.018>.
- Yadav, M; Singh, SK; Sharma, JK; Yadav, KDS. (2011). Oxidation of polyaromatic hydrocarbons in systems containing water miscible organic solvents by the lignin peroxidase of *Gleophyllum striatum* MTCC-1117. *Environ Technol.* 32: 1287-1294. <http://dx.doi.org/10.1080/09593330.2010.535177>.
- Yager, BJ; Doerr, KW. (1970). DETERMINATION OF RELATIVE ACTIVITY OF METHYL ACETATE IN AQUEOUS DIOXANE BY VAPOR PHASE CHROMATOGRAPHY. *Tex J Sci.* 21: 334-&.
- Yager, BJ; Doerr, KW. (1972). RELATIVE ACTIVITY OF METHYL ACETATE IN AQUEOUS-DIOXANE SOLUTIONS. *Tex J Sci.* 24: 13-&.
- Yager, BJ; KUNTSCHI, LF. (1971). RELATIVE ACTIVITY COEFFICIENTS OF SODIUM HYDROXIDE IN DIOXANE-WATER SOLVENT MIXTURES. *Tex J Sci.* 23: 211-&.

Exposure Literature Search Results

Off Topic

- Yaginuma, R; Moriya, S; Sato, Y; Kodama, D; Tanaka, H; Kato, M. (2001). Homogenizing effect of ethers added to immiscible methanol/oil binary mixtures. 44: 401-406.
- Yaginuma, R; Moriya, S; Sato, Y; Sako, T; Kodama, D; Tanaka, H; Kato, M. (1999). Homogenizing effect of addition of ethers to immiscible binary fuels of ethanol and oil. 42: 173-177.
- Yalcin, M; Mutluay, H; Cankurtaran, H. (1998). Determination of the protonation constants of 2-[4-dimethylaminocinnamylamino] benzoic acid (DACAB) in dioxane - Water medium and preparation of some of its transition metal complexes. Turkish Journal of Chemistry. 22: 209-214.
- Yamamoto, A; Matsumoto, M; Hinoue, T; Mizobe, Y; Hisaki, I; Miyata, M; Tohno, N. (2009). Reversible transformation and fluorescence modulation in polymorphic crystals of n-butylammonium 2-naphthalenesulfonate. Synthetic Metals. 159: 905-909. <http://dx.doi.org/10.1016/j.synthmet.2009.01.062>.
- Yamamura, T; Shirasaki, K; Shiokawa, Y; Nakamura, Y; Kim, SY. (2004). Characterization of tetraketone ligands for active materials of all-uranium redox flow battery. J Alloy Comp. 374: 349-353. <http://dx.doi.org/10.1016/j.jallcom.2003.11.117>.
- Yan, N, i; Liu, F, ei; Chen, Y; Brusseau, ML. (2016). Influence of Groundwater Constituents on 1,4-Dioxane Degradation by a Binary Oxidant System. Water Air Soil Pollut. 227: 436-436. <http://dx.doi.org/10.1007/s11270-016-3146-y>.
- Yanagida, S; Nakajima, A; Kameshima, Y; Okada, K. (2008). Voltage swing interval effects on photocatalytic decomposition of 1,4-dioxane in aqueous media using TiO₂-coated stainless mesh. Ceramic Society of Japan Journal. 116: 181-186.
- Yanagishita, H; Maejima, C; Kitamoto, D; Nakane, T. (1994). PREPARATION OF ASYMMETRIC POLYIMIDE MEMBRANE FOR WATER-ETHANOL SEPARATION IN PERVAPORATION BY THE PHASE INVERSION PROCESS. J Memb Sci. 86: 231-240.
- Yang, D; Fu, L, ei; Shi, D; Li, J; Zhang, Q, i. (2016). Solubility of 3,7,9,11-Tetraoxo-2,4,6,8,10-pentaaza[3.3.3] Propellane (TOPAP) in Different Pure Solvents at Temperatures between 273.15 and 318.15 K. Journal of Chemical and Engineering Data. 61: 3277-3285. <http://dx.doi.org/10.1021/acs.jced.6b00349>.
- Yang, F; Qu, X; Cui, W; Bei, J; Yu, F; Lu, S; Wang, S. (2006). Manufacturing and morphology structure of polylactide-type microtubules orientation-structured scaffolds. Biomaterials. 27: 4923-4933. <http://dx.doi.org/10.1016/j.biomaterials.2006.05.028>.
- Yang, J; Piñol, R; Gubellini, F; Lévy, D; Albouy, PA; Keller, P; Li, MH. (2006). Formation of polymer vesicles by liquid crystal amphiphilic block copolymers. Langmuir. 22: 7907-7911. <http://dx.doi.org/10.1021/la061436g>.
- Yang, JH; Asaeda, M. (2003). Permeation mechanism of water through microporous SiO₂-ZrO₂ membranes for separation of aqueous solutions of organic solvents by pervaporation. Separation and Purification Technology. 32: 29-36. [http://dx.doi.org/10.1016/S1383-5866\(03\)00038-8](http://dx.doi.org/10.1016/S1383-5866(03)00038-8).
- Yang, KK; Wang, XL; Wang, YZ; Huang, HX. (2004). Effects of molecular weights of poly(p-dioxanone) on its thermal, rheological and mechanical properties and in vitro degradability. Mater Chem Phys. 87: 218-221. <http://dx.doi.org/10.1016/j.matchemphys.2004.05.038>.
- Yang, LM; Kang, Y; Wang, YL; Xu, LW; Kita, H; Okamoto, K. (2005). Synthesis of crown ether-containing copolyimides and their pervaporation properties to benzene/cyclohexane mixtures. J Memb Sci. 249: 33-39. <http://dx.doi.org/10.1016/j.memsci.2004.08.029>.
- Yang, Q; Takeuchi, M; Saito, T; Isogai, A. (2014). Formation of nanosized islands of dialkyl β-ketoester bonds for efficient hydrophobization of a cellulose film surface. Langmuir. 30: 8109-8118. <http://dx.doi.org/10.1021/la501706t>.
- Yang, Y, an; Duan, P, eiGao; Wang, YY; Dai, L, iYi. (2008). Additives assisted catalytic cyclo-dehydration of diethylene glycol in near-critical water. Chemical Engineering and Processing: Process Intensification. 47: 2402-2407. <http://dx.doi.org/10.1016/j.cep.2007.12.011>.
- Yang, Y; Nakazawa, M; Suzuki, M; Shirai, H; Hanabusa, K. (2007). Fabrication of helical hybrid silica bundles. J Mater Chem. 17: 2936-2943. <http://dx.doi.org/10.1039/b700615b>.
- Yangali-Quintanilla, V; Maeng, SK, yu; Fujioka, T; Kennedy, M; Amy, G. (2010). Proposing nanofiltration as acceptable barrier for organic contaminants in water reuse. J Memb Sci. 362: 334-345. <http://dx.doi.org/10.1016/j.memsci.2010.06.058>.
- Yao, Y; Lv, Z; Min, H; Lv, Z; Jiao, H. (2009). Isolation, identification and characterization of a novel Rhodococcus sp. strain in biodegradation of tetrahydrofuran and its medium optimization using sequential statistics-based experimental designs. Bioresour Technol. 100: 2762-2769. <http://dx.doi.org/10.1016/j.biortech.2009.01.006>.
- Yao, YG; Yoshioka, M; Shiraishi, N. (1994). SOLUBLE PROPERTIES OF LIQUEFIED BIOMASS PREPARED IN ORGANIC-SOLVENTS .1. THE SOLUBLE BEHAVIOR OF LIQUEFIED BIOMASS IN VARIOUS DILUENTS. 40: 176-184.
- Yashima, T; Katoh, Y; Komatsu, T. (1999). Synthesis of 3-methyl-3-butene-1-ol from isobutene and formaldehyde on FeMCM-22 zeolites. Stud Surf Sci Catal. 125: 507-514.
- Yasuda, H; Tochigi, K; Miyano, Y; Noritomi, H; Hoshino, D; Shibata, R; Kato, S. (2009). Physical Properties of Tetrahydropyran and Its Applications. 16: 127-131.
- Yasuhara, A; Shiraishi, H; Nishikawa, M; Yamamoto, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Kawagoshi, Y. (1999). Organic components in leachates from hazardous waste disposal sites. Waste Manag Res. 17: 186-197.
- Yasuhara, A; Tanaka, Y; Tanabe, A; Kawata, K; Katami, T. (2003). Elution of 1,4-dioxane from waste landfill sites. Bull Environ Contam Toxicol. 71: 641-647. <http://dx.doi.org/10.1007/s00128-003-8917-7>.
- Yasui, K, ei; Isobe, T; Matsushita, S; Nakajima, A. (2013). Preparation and photocatalytic activity of porous spherical TiO₂ particles comprised of H3PW12O40 in hydrophobic nanopores. Journal of Materials Science. 48: 2290-2298. <http://dx.doi.org/10.1007/s10853-012-7007-9>.
- Yazaydin, AO; Thompson, RW. (2009). Computing Adsorbate/Adsorbent Binding Energies and Henry's Law Constants from Molecular Simulations. Environ Eng Sci. 26: 297-303. <http://dx.doi.org/10.1089/ees.2008.0025>.
- Ye, Y; Liu, Y; Chang, J, ie. (2014). Application of Solubility Parameter Theory to Organosolv Extraction of Lignin from Enzymatically Hydrolyzed Cornstalks. BioResources. 9: 3417-3427.

Exposure Literature Search Results

Off Topic

- Yearla, SR, ao; Padmasree, K. (2016). Preparation and characterisation of lignin nanoparticles: evaluation of their potential as antioxidants and UV protectants. *Journal of Experimental Nanoscience*. 11: 289-302. <http://dx.doi.org/10.1080/17458080.2015.1055842>.
- Yeh, CT; Tu, CH. (2007). Densities, viscosities, refractive indexes, and surface tensions for binary mixtures of 2-propanol plus benzyl alcohol, plus 2-phenylethanol and benzyl alcohol plus 2-phenylethanol at T equals (298.15, 308.15, and 318.15) K. *Journal of Chemical and Engineering Data*. 52: 1760-1767. <http://dx.doi.org/10.1021/je700140j>.
- Yen, C, hi; He, H; Lee, LJ; Ho, WSW. (2009). Synthesis and characterization of nanoporous polycaprolactone membranes via thermally- and nonsolvent-induced phase separations for biomedical device application. *J Memb Sci*. 343: 180-188. <http://dx.doi.org/10.1016/j.memsci.2009.07.024>.
- Yigit, D; Gungor, T; Gullu, M. (2013). Poly(thieno[3,4-b][1,4] dioxine) and poly([1,4] dioxino[2,3-c] pyrrole) derivatives: p-and n-dopable redox-active electrode materials for solid state supercapacitor applications. *Organic Electronics*. 14: 3249-3259. <http://dx.doi.org/10.1016/j.orgel.2013.09.037>.
- Yin, G; Ma, Y; Xiong, Y, ao; Cao, X; Li, Y; Chen, L. (2016). Enhanced AIE and different stimuli-responses in red fluorescent (1,3-dimethyl)barbituric acid-functionalized anthracenes. 4: 751-757. <http://dx.doi.org/10.1039/c5tc03629a>.
- Yin, R; Zhang, N; Wu, W; Wang, K. (2016). Poly(ethylene glycol)-grafted cyclic acetals based polymer networks with non-water-swellaable, biodegradable and surface hydrophilic properties. *Mater Sci Eng C*. 62: 137-143. <http://dx.doi.org/10.1016/j.msec.2016.01.038>.
- Yokoyama, T. (2015). REVISITING THE MECHANISM OF beta-O-4 BOND CLEAVAGE DURING ACIDOLYSIS OF LIGNIN. PART 6: A REVIEW. *Journal of Wood Chemistry and Technology*. 35: 27-42. <http://dx.doi.org/10.1080/02773813.2014.881375>.
- Yokoyama, T; Matsumoto, Y. (2008). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin. Part 1: Kinetics of the formation of enol ether from non-phenolic C-6-C-2 type model compounds. *Holzforschung*. 62: 164-168. <http://dx.doi.org/10.1515/HF2008.037>.
- Yokoyama, T; Matsumoto, Y. (2010). Revisiting the Mechanism of beta-O-4 Bond Cleavage during Acidolysis of Lignin. Part 2: Detailed Reaction Mechanism of a Non-Phenolic C-6-C-2 Type Model Compound. *Journal of Wood Chemistry and Technology*. 30: 269-282. <http://dx.doi.org/10.1080/02773811003675288>.
- Yosef, E; Benghedalia, D. (1994). EFFECT OF ISOLATION PROCEDURE ON MOLECULAR-WEIGHT DISTRIBUTION AND MONOSACCHARIDE COMPOSITION OF COTTON STALK LIGNINS. *Anim Feed Sci Technol*. 50: 27-35.
- Yoshida, S; Tanahashi, M; Shigematsu, M; Shinoda, Y. (1994). EFFECT OF REACTION MEDIUM ON DEHYDROGENATIVE POLYMERIZATION OF SINAPYL ALCOHOL. 40: 974-979.
- Yoshida, Y; Tomita, B; Hse, CY. (1995). KINETICS ON COCONDENSATION BETWEEN PHENOL AND UREA THROUGH FORMALDEHYDE .3. CONCURRENT REACTIONS OF MONOMETHYLOLPHENOL AND UREA INVOLVING COCONDENSATION AND SELF-CODENSATION. 41: 652-658.
- Yoshimura, S; Kiriya, D; Kurata, T. (2014). Carbonyl-ene Reaction of Styrene Derivatives Catalyzed by H-beta Zeolite in Water. *J Jpn Petrol Inst*. 57: 84-87.
- Yoshino, N; Hamano, K; Omiya, Y; Kondo, Y; Ito, A; Abe, M. (1995). SYNTHESSES OF HYBRID ANIONIC SURFACTANTS CONTAINING FLUOROCARBON AND HYDROCARBON CHAINS. *Langmuir*. 11: 466-469.
- Yoshioka, Y; Asao, K; Yamamoto, K; Tachi, H. (2007). New method for fabricating aromatic polyamide particles with a narrow particle size distribution. *Macromolecular Reaction Engineering*. 1: 222-228. <http://dx.doi.org/10.1002/mren.200600019>.
- You, I; Lee, T; Nam, YS; Lee, H. (2014). Fabrication of a Micro-omnifluidic Device by Omniphilic/Omniphobic Patterning on Nanostructured Surfaces. *ACS Nano*. 8: 9016-9024. <http://dx.doi.org/10.1021/nn502226v>.
- You, Y; Gao, T; Qiu, F; Wang, Y; Chen, X; Jia, W; Li, R. (2013). Solubility Measurement and Modeling for 2-Benzoyl-3-chlorobenzoic Acid and 1-Chloroanthraquinone in Organic Solvents. *Journal of Chemical and Engineering Data*. 58: 1845-1852. <http://dx.doi.org/10.1021/je400246s>.
- Youn, NK; Heo, JE; Joo, OS; Lee, H; Kim, J; Min, BK. (2010). The effect of dissolved oxygen on the 1,4-dioxane degradation with TiO₂ and Au-TiO₂ photocatalysts. *J Hazard Mater*. 177: 216-221. <http://dx.doi.org/10.1016/j.jhazmat.2009.12.020>.
- Young, JD; Braun, WH; Gehring, PJ. (1978). The dose-dependent fate of 1,4-dioxane in rats. *J Environ Pathol Toxicol*. 2: 263-282.
- Yu, J, inWon; Choi, YM, un; Jung, J, in; You, N, amHo; Lee, DS, u; Lee, J, aeK; Goh, M. (2016). Highly microporous carbon materials synthesized from fluorine-containing poly(amic acid) adsorbed in polystyrene cryogel template. *Synthetic Metals*. 211: 35-39. <http://dx.doi.org/10.1016/j.synthmet.2015.11.009>.
- Yu, L; Yuan, SL; Hu, XG; Lin, RS. (2006). Studies on the interactions between some alpha-amino acids with a non-polar side chain and two saturated cyclic ethers at 298.15 K: enthalpic measurement and computer simulation. *Chem Eng Sci*. 61: 794-801. <http://dx.doi.org/10.1016/j.ces.2005.08.008>.
- Yu, YY, en; Tsai, CL. (2013). An approach to hybrid inorganic nanoparticles in reactive PS-b-PMSMA amphiphilic copolymers. *Curr Appl Phys*. 13: 1128-1136. <http://dx.doi.org/10.1016/j.cap.2013.03.003>.
- Yuan, J; Lu, Y, an; Schacher, F; Lunkenbein, T; Weiss, S; Schmalz, H; Mueller, AHE. (2009). Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Bishydrophilic Cylindrical Polymer Brushes. *Chem Mater*. 21: 4146-4154. <http://dx.doi.org/10.1021/cm900032m>.
- Yuan, L; Jia, GK; Li, ZY; Zhang, M; Yuan, XY. (2016). Properties and Applications of Sodium (5-methyl-2-alkyl-1,3-dioxane-5-yl)-Carboxylate Synthesized with Nanosolid Supercacid. *J Nanosci Nanotechnol*. 16: 1085-1089. <http://dx.doi.org/10.1166/jnn.2016.10628>.
- Yuan, L, in; Li, ZY, an; Zhang, XY, u; Li, W, enYi; Zhang, M, in; Yuan, XY, ou. (2015). Crystal Structure and Antibacterial Activity of (E)-(5-ethyl-2-styryl-1,3-dioxan-5-yl) Methanol Synthesized with Nanosolid Supercacid. *J Nanosci Nanotechnol*. 15: 9887-9891. <http://dx.doi.org/10.1166/jnn.2015.10506>.

Exposure Literature Search Results

Off Topic

- Yuan, Y; Chen, H. (2013). Controlling and tuning the dispersion properties of calcined kaolinite particles in various organic solvents via stepwise modification method using 3-glycidoxypropyltrimethoxysilane and dodecylamine. *Appl Surf Sci.* 277: 281-287. <http://dx.doi.org/10.1016/j.apsusc.2013.04.047>.
- Yue, F; Lan, W, u; Hu, S; Chen, K, eLi; Lu, F. (2016). Structural Modifications of Sugarcane Bagasse Lignins during Wet-Storage and Soda-Oxygen Pulping. 4: 5311-5318. <http://dx.doi.org/10.1021/acssuschemeng.6b00726>.
- Yufit, DS; Shishkin, OV; Zubatyuk, RI; Howard, JAK. (2014). Trimethyltrioxane (Paraldehyde) and Its Halomethanes Complexes: Crystallization, Structures, and Analysis of Packing Motifs. *Cryst Growth Des.* 14: 4303-4309. <http://dx.doi.org/10.1021/cg500354t>.
- Yumnam, S; Rajkumari, L. (2009). Thermodynamics of the Complexation of N-(Pyridin-2-ylmethylene) Isonicotinohydrazide with Lighter Lanthanides. *Journal of Chemical and Engineering Data.* 54: 28-34. <http://dx.doi.org/10.1021/je8003904>.
- Zada, A; Avny, Y; Zilkha, A. (2001). Simplified synthesis of oligoethylene glycols. *Journal of Surfactants and Detergents.* 4: 163-166.
- Zahid, NI; Abou-Zied, OK; Hashim, R; Heidelberg, T. (2011). Characterization of the Head Group and the Hydrophobic Regions of a Glycolipid Lyotropic Hexagonal Phase Using Fluorescent Probes. *J Phys Chem C.* 115: 19805-19810. <http://dx.doi.org/10.1021/jp2060393>.
- Zare-Mehrjardi, N; Khorasani, MT; Hemmesi, K; Mirzadeh, H; Azizi, H; Sadatnia, B; Hatami, M; Kiani, S; Barzin, J; Baharvand, H. (2011). Differentiation of embryonic stem cells into neural cells on 3D poly (D, L-lactic acid) scaffolds versus 2D cultures. *Int J Artif Organs.* 34: 1012-1023. <http://dx.doi.org/10.5301/ijao.5000002>.
- Zelano, V; Roletto, E; Vanni, A. (1983). POTENTIOMETRIC STUDY OF COPPER(II) COMPLEXES OF L-LEUCINE IN WATER-DIOXANE MIXTURES. *Ann Chim.* 73: 113-121.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2002). Modeling cometabolism of cyclic ethers. *Environ Eng Sci.* 19: 215-228.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2003). Occurrence and treatment of 1,4-dioxane in aqueous environments. *Environ Eng Sci.* 20: 423-432.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2004). Biodegradation of 1,4-dioxane using trickling filter. *J Environ Eng.* 130: 926-931. [http://dx.doi.org/10.1061/\(ASCE\)0733-9372\(2004\)130:9\(926\)](http://dx.doi.org/10.1061/(ASCE)0733-9372(2004)130:9(926)).
- Zhai, L, u; Liu, M; Xue, P; Sun, J; Gong, P; Zhang, Z; Sun, J; Lu, R, an. (2016). Nanofibers generated from nonclassical organogelators based on difluoroboron beta-diketonate complexes to detect aliphatic primary amine vapors. 4: 7939-7947. <http://dx.doi.org/10.1039/c6tc01790h>.
- Zhang, A, iP; Liu, CF, u; Sun, R. (2010). Fractional isolation and characterization of lignin and hemicelluloses from Triploid of *Populus tomentosa* Carr. *Ind Crop Prod.* 31: 357-362. <http://dx.doi.org/10.1016/j.indcrop.2009.12.003>.
- Zhang, A, iP; Liu, CF, u; Sun, R, uNc; Xie, J, un. (2013). Extraction, Purification, and Characterization of Lignin Fractions from Sugarcane Bagasse. *BioResources.* 8: 1604-1614.
- Zhang, A; Lu, F; Liu, C; Sun, RC. (2010). Isolation and characterization of lignins from *Eucalyptus tereticornis* (12ABL). *J Agric Food Chem.* 58: 11287-11293. <http://dx.doi.org/10.1021/jf103354x>.
- Zhang, H; Sun, B; Chen, Y; Wang, J. (2011). Synthesis of Y-Shaped Poly(N,N-dimethylamino-2-ethyl methacrylate) and Poly(trimethylene carbonate) from a New Heterofunctional Initiator. *Polymer Engineering and Science.* 51: 776-784. <http://dx.doi.org/10.1002/pen.21883>.
- Zhang, J; Lin, W; Liu, A; Yu, Z; Wan, X; Liang, D; Zhou, Q. (2008). Solvent effect on the aggregation behavior of rod-coil diblock copolymers. *Langmuir.* 24: 3780-3786. <http://dx.doi.org/10.1021/la703888m>.
- Zhang, JT; Nie, J; Ji, GZ; Jiang, XK. (1994). METHODOLOGY FOR MEASURING THE CRITICAL AGGREGATE CONCENTRATION OF NONPROBE MOLECULES. *Langmuir.* 10: 2814-2816.
- Zhang, L; Fang, W; Jiang, J. (2011). Effects of Residual Solvent on Membrane Structure and Gas Permeation in a Polymer of Intrinsic Microporosity: Insight from Atomistic Simulation. *J Phys Chem C.* 115: 11233-11239. <http://dx.doi.org/10.1021/jp2029888>.
- Zhang, S; Gedalanga, PB; Mahendra, S. (2016). Biodegradation Kinetics of 1,4-Dioxane in Chlorinated Solvent Mixtures. *Environ Sci Technol.* 50: 9599-9607. <http://dx.doi.org/10.1021/acs.est.6b02797>.
- Zhang, S; Zhang, Y, u; Liu, J; Zhang, C; Gu, N; Li, F. (2008). Preparation of anti-sperm protein 17 immunomagnetic nanoparticles for targeting cell. *J Nanosci Nanotechnol.* 8: 2341-2346. <http://dx.doi.org/10.1166/jnn.2008.084>.
- Zhang, Y; Jiang, M; Han, GC; Zhao, K, e; Tang, B, enZ; Wong, K, amS. (2015). Solvent Effect and Two-Photon Optical Properties of Triphenylamine-Based Donor-Acceptor Fluorophores. *J Phys Chem C.* 119: 27630-27638. <http://dx.doi.org/10.1021/acs.jpcc.5b06762>.
- Zhang, Y, u; Wang, H, uiHui; Wei, S; Liu, J, inQ; Wang, W. (2015). Determination and Correlation of Solubilities of 2-Isopropylthioxanthone (ITX) in Seven Different Solvents from (299.15 to 329.85) K. *Journal of Chemical and Engineering Data.* 60: 941-946. <http://dx.doi.org/10.1021/je501011t>.
- Zhang, YM; Yang, Z, iXin; Chen, Y; Ding, F, ei; Liu, Y, u. (2012). Molecular Binding and Assembly Behavior of beta-Cyclodextrin with Piperazine and 1,4-Dioxane in Aqueous Solution and Solid State. *Cryst Growth Des.* 12: 1370-1377. <http://dx.doi.org/10.1021/cg201446x>.
- Zhang, Z; Xiang, S; Zheng, Q; Rao, X; Mondal, JU; Arman, HD; Qian, G; Chen, B. (2010). A Rare Uninodal 9-Connected Metal-Organic Framework with Permanent Porosity. *Cryst Growth Des.* 10: 2372-2375. <http://dx.doi.org/10.1021/cg100183y>.
- Zhao, H; Wang, T; Zhao, X; Liu, Y, u; Hao, J. (2013). Synthesis and Properties of Poly(d,L-lactide-co-p-dioxanone) Random and Segmented Copolymers. *Journal of Polymers and the Environment.* 21: 405-414. <http://dx.doi.org/10.1007/s10924-012-0526-2>.
- Zhao, HK, un; Ji, H, aiZhe; Meng, XC; Li, RR. (2009). Solubility of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Organic Solvents and Solubility of 3-Chlorophthalic Acid and 4-Chlorophthalic Acid in Water from (283.15 to 333.15) K. *Journal of Chemical and Engineering Data.* 54: 1135-1137. <http://dx.doi.org/10.1021/je800869g>.
- Zhao, L; Hou, H; Fujii, A; Hosomi, M; Li, F. (2014). Degradation of 1,4-dioxane in water with heat- and Fe²⁺-activated persulfate oxidation. *Environ Sci Pollut Res Int.* 21: 7457-7465. <http://dx.doi.org/10.1007/s11356-014-2668-3>.

Exposure Literature Search Results

Off Topic

- Zhao, PS; Song, J; Zhou, SS; Zhu, Y; Jing, L; Guo, ZY. (2013). Facile 1,4-dioxane-assisted solvothermal synthesis, optical and electrochemical properties of CeO₂ microspheres. *Materials Research Bulletin*. 48: 4476-4480. <http://dx.doi.org/10.1016/j.materresbull.2013.07.055>.
- Zhao, Q; Qian, J, inWen; An, QF, u; Yang, Q; Zhang, P. (2008). A facile route for fabricating novel polyelectrolyte complex membrane with high pervaporation performance in isopropanol dehydration. *J Memb Sci*. 320: 8-12. <http://dx.doi.org/10.1016/j.memsci.2008.04.040>.
- Zhao, Y; Liu, M; Gan, L; Ma, X; Zhu, D; Xu, Z; Chen, L. (2014). Ultramicroporous Carbon Nanoparticles for the High-Performance Electrical Double-Layer Capacitor Electrode. *Energy Fuels*. 28: 1561-1568. <http://dx.doi.org/10.1021/ef402070j>.
- Zhong, C; Sasaki, T; Tada, M; Iwasawa, Y. (2006). Ni ion-containing ionic liquid salt and Ni ion-containing immobilized ionic liquid on silica: Application to Suzuki cross-coupling reactions between chloroarenes and arylboronic acids. *J Catal*. 242: 357-364. <http://dx.doi.org/10.1016/j.jcat.2006.06.020>.
- Zhong, H, ua; Brusseau, ML; Wang, Y; Yan, N, i; Quig, L; Johnson, GR. (2015). In-situ activation of persulfate by iron filings and degradation of 1,4-dioxane. *Water Res*. 83: 104-111. <http://dx.doi.org/10.1016/j.watres.2015.06.025>.
- Zhou, L; Gao, C; Xu, WJ. (2009). Amphibious polymer-functionalized CdTe quantum dots: Synthesis, thermo-responsive self-assembly, and photoluminescent properties. *J Mater Chem*. 19: 5655-5664. <http://dx.doi.org/10.1039/b905966k>.
- Zhou, Q; Wang, L, iS; Wu, J, unS; Li, M, iYi. (2007). Activity coefficients at infinite dilution of polar solutes in 1-butyl-3-methylimidazolium tetrafluoroborate using gas-liquid chromatography. *Journal of Chemical and Engineering Data*. 52: 131-134. <http://dx.doi.org/10.1021/je060305e>.
- Zhou, Y; Chen, D; Zhu, R; Jin, X; Chen, J. (2011). STATISTICAL ANALYSIS FOR OPTIMIZING TETRAHYDROFURAN DEGRADATION BY PSEUDOMONAS OLEOVORANS DT4 IN FED-BATCH CULTURE. *Fresen Environ Bull*. 20: 2451-2459.
- Zhou, Y; Xu, M; Yi, T; Xiao, S; Zhou, Z; Li, F; Huang, C. (2007). Morphology-tunable and photoresponsive properties in a self-assembled two-component gel system. *Langmuir*. 23: 202-208. <http://dx.doi.org/10.1021/la061530x>.
- Zhou, Y, an; Zhang, JJ; Qiu, Z, hiC; Zeng, Q; Chang, JJ; Yang, K, eKe; Wang, Y, uZ. (2009). PROPERTIES OF POLY(p-DIOXANONE-URETHANE) COPOLYMERS WITH CONTROLLABLE STRUCTURES. *Soft Materials*. 7: 277-295. <http://dx.doi.org/10.1080/15394450903344736>.
- Zhu, KL; Li, MQ; Li, L; Wu, FY; Li, GX. (2005). Synthesis of beta-benzyl-alpha-phenylpyruvic acid from double carbonylation. of benzyl chloride catalyzed by CoCl₂/KPzca system. *Chinese journal of catalysis*. 26: 563-566.
- Zhu, MY; Zhang, TXY; Zeng, JH; Jiang, XK. (1997). Nature of the alternate CF₂CH₂ chain: Study based on the measurement and comparison of the CAgC's of aggregators with alternate chains and with hydrocarbon chains. *Langmuir*. 13: 3603-3609.
- Zhu, T; Luo, Y; Lin, Y; Li, Q; Yu, P; Zeng, M. (2010). Study of pervaporation for dehydration of caprolactam through blend NaAlg-poly(vinyl pyrrolidone) membranes on PAN supports. *Separation and Purification Technology*. 74: 242-252. <http://dx.doi.org/10.1016/j.seppur.2010.06.012>.
- Zhu, Y; Zhu, Y; Ding, G; Zhu, S; Zheng, H; Li, Y. (2013). Highly selective synthesis of ethylene glycol and ethanol via hydrogenation of dimethyl oxalate on Cu catalysts: influence of support. *Appl Catal A-Gen*. 468: 296-304. <http://dx.doi.org/10.1016/j.apcata.2013.09.019>.
- Zhu, ZH; Ji, CZ. (1992). A STUDY OF THE HOMOGENEOUS REACTION BETWEEN A MODEL CIBACRON PRONT REACTIVE DYE AND METHYL-ALPHA-D-GLUCOSIDE. *Dyes and Pigments*. 19: 265-280.
- Zhunuspayev, DE; Mun, GA; Hole, P; Khutoryanskiy, VV. (2008). Solvent effects on the formation of nanoparticles and multilayered coatings based on hydrogen-bonded interpolymer complexes of poly(acrylic acid) with homo- and copolymers of N-vinyl pyrrolidone. *Langmuir*. 24: 13742-13747. <http://dx.doi.org/10.1021/la802852h>.
- Zienko, J. (1994). INVESTIGATIONS OF THE REACTION OF 1,2-EPITHIOBUTANE AND DIETHANOLAMINE. *Przemysł Chemiczny*. 73: 98-99.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, J. (2014). Successive and quantitative fractionation and extensive structural characterization of lignin from wheat straw. *Ind Crop Prod*. 61: 249-257. <http://dx.doi.org/10.1016/j.indcrop.2014.07.013>.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, J. (2016). Fractionation of wheat straw Dioxane lignin reveals molar mass dependent structural differences. *Ind Crop Prod*. 91: 186-193. <http://dx.doi.org/10.1016/j.indcrop.2016.07.014>.
- Ziobrowski, Z; Kiss, K; Rotkegel, A; Nemestothy, N; Krupiczka, R; Gubicza, L. (2009). Pervaporation aided enzymatic production of glycerol monostearate in organic solvents. *Desalination*. 241: 212-217. <http://dx.doi.org/10.1016/j.desa1.2008.01.067>.
- Zolfigol, MA, li; Chehardoli, G; Shiri, M. (2007). Epoxidation of aromatic alpha,beta-unsaturated ketones using PVP-H₂O₂ under mild and heterogeneous conditions. *React Funct Polym*. 67: 723-727. <http://dx.doi.org/10.1016/j.reactfunctpolym.2007.05.002>.
- Zulfiqar, S; Sarwar, MI. (2015). Effect of solvent on the CO₂ capture ability of polyester: A comparative study. *J Ind Eng Chem*. 21: 1373-1378. <http://dx.doi.org/10.1016/j.jiec.2014.06.008>.
- Zulfiqar, S; Sarwar, MI. (2016). Exploring aramid as emerging contender for CO₂ capture. *Chinese Journal of Chemical Engineering*. 24: 850-855. <http://dx.doi.org/10.1016/j.cjche.2016.02.003>.
- Zuo, D, anY; Li, HJ, un; Liu, HT, ao; Zhao, S, anP. (2012). Effect of different preparation methods on structure and properties of chitosan/poly-lactic acid blend porous membrane. *Journal of Porous Materials*. 19: 1015-1022. <http://dx.doi.org/10.1007/s10934-012-9564-3>.
- Zurita, JL; Garcia, DA; Postigo, MA. (1992). EXCESS MOLAR VOLUMES OF TETRACHLOROETHENE + 1,4-DIOXANE + TETRAHYDROFURAN AT 298.15 AND 308.15 K. *Journal of Chemical and Engineering Data*. 37: 206-209.
- Zuyderhoff, EM; Dupont-Gillain, CC. (2012). Nano-organized collagen layers obtained by adsorption on phase-separated polymer thin films. *Langmuir*. 28: 2007-2014. <http://dx.doi.org/10.1021/la203842q>.

Environmental Hazard Literature Search Results

On Topic

- Ashby, JT, R. W. (1991). Definitive relationships among chemical structure, carcinogenicity and mutagenicity for 301 chemicals tested by the U.S. NTP. *Mutat Res Rev Mutat Res.* 257: 229-306. [http://dx.doi.org/10.1016/0165-1110\(91\)90003-E](http://dx.doi.org/10.1016/0165-1110(91)90003-E).
- Braun, WHY, J. D. (1977). Identification of beta-hydroxyethoxyacetic acid as the major urinary metabolite of 1,4-dioxane in the rat. *Toxicol Appl Pharmacol.* 39: 33-38. [http://dx.doi.org/10.1016/0041-008X\(77\)90174-0](http://dx.doi.org/10.1016/0041-008X(77)90174-0).
- Bringmann, G. (1975). Determination of the Biologically Harmful Effect of Water Pollutants by Means of the Retardation of Cell Proliferation of the Blue Algae *Microcystis*. 14 p. (English translation of *Gesund.-Ing.* 96 (1975) 1238-1241 (GER)).
- Bringmann, G. (1978). Bestimmung der biologischen schadwirkung wassergefahrdender stoffe gegen protozoen. *Z f Wasser- und Abwasser-Forschung.* 11: 210-215.
- Bringmann, G. (1978). Determination of the Biological Toxicity of Water Pollutants on Protozoa. 11: 210-215 (ENG ABS) (English Translation:214 p) (*Toxicology* 290: 81700 (81979)).
- Bringmann, GK, R. (1977). Grenzwerte der Schodwirkung Wassergefahrdender Stoffe genen Bakterien (*Pseudomonas putida*) und Grunalgen (*Scenedesmus quadricauda*) im Zellvermehrungshemmtest (Limiting Values for the Damaging Action of Water Pollutants to Bacteria (*Pseudomonas putida*) and Green Algae (*Scenedesmus quadricauda*) in the Cell Multiplication Inhibition Test). 10: 87-98(GER) (ENG ABS)(*Publ As* 7453).
- Bringmann, GK, R. (1977). Results of the Damaging Effect of Water Pollutants on *Daphnia magna* (Befunde der Schadwirkung Wassergefahrdender Stoffe Gegen *Daphnia magna*). 26 p. (English translation of *Z. Wasser-Abwasser-Forsch.* 10 (1977) 1161-1166 (GER)).
- Bringmann, GK, R. (1977). Toxicity Threshold for Water Pollutants in the Cell Multiplication Test with Respect to Bacteria (*Pseudomonas putida*) and Green Algae (*Scenedesmus quadricauda*). 32 p. (English translation of *Z. Wasser-Abwasser-Forsch.* 10 (1977) 1987-1998 (GER)).
- Bringmann, GK, R. (1978). Limiting Values for the Noxious Effects of Water Pollutant Material to Blue Algae (*Microcystis aeruginosa*) and Green Algae (*Scenedesmus quadricauda*) in Cell Propagation Inhibition Tests (Grenzwerte der Schadwirkung Wassergefahrdender Stoffe Gegen Blaualgen (*Microcystis aeruginosa*) und Grunalgen (*Scenedesmus quadricauda*) im Zellvermehrungshemmtest). 39 p. (English translation of *Vom Wasser* 50 (1978) 1945-1960 (GER)).
- Bringmann, GK, R. (1978). Testing of Substances for Their Toxicity Threshold: Model Organisms *Microcystis* (*Diplocystis*) *aeruginosa* and *Scenedesmus quadricauda*. 21: 275-284 (Author Communication Used).
- Bringmann, GK, R. (1980). Determination of the Biological Effect of Water Pollutants in Protozoa. II. Bacteriovorous Ciliates (Bestimmung der Biologischen Schadwirkung Wassergefahrdender Stoffe Gegen Protozoen. II. Bakterienfressende Ciliaten). 13: 26-31(GER) (ENG ABS).
- Bringmann, GK, R. Winter, A. (1980). Determination of the Biological Effect of Water Pollutants in Protozoa. III. Saprozoic Flagellates (Bestimmung der Biologischen Schadwirkung Wassergefahrdender Stoffe Gegen Protozoen III. Saprozoische Flagellaten). 13: 170-173(GER) (ENG ABS) (OECDG Data File).
- Bringmann, GK, R. (1982). Results of Toxic Action of Water Pollutants on *Daphnia magna* Straus Tested by an Improved Standardized Procedure. 15: 1-6(GER) (ENG ABS) (OECDG Data File).
- Brooke, L. (1987). Report of the Flow-Through and Static Acute Test Comparisons with Fathead Minnows and Acute Tests with an Amphipod and a Cladoceran. 24 p.
- Dawson, GWJ, A. L. Drozdowski, D. Rider, E. (1977). The acute toxicity of 47 industrial chemicals to fresh and saltwater fishes. *J Hazard Mater.* 1: 303-318.
- Delistraty, D. (1999). Relationship between cancer slope factor and acute toxicity in rats and fish. *Hum Ecol Risk Assess.* 5: 415-426.
- Edwards, MRH, M. F. Columbus, M. Silva, A. Lefebvre, D. D. (2011). The effect of ethylene glycol on the phytovolatilization of 1,4-dioxane. *Int J Phytoremediation.* 13: 702-716. <http://dx.doi.org/10.1080/15226514.2010.525553>.
- Ferro, AMT, C. E. (2009). Field note: irrigation of tree stands with groundwater containing 1,4-dioxane. *Int J Phytoremediation.* 11: 425-440. <http://dx.doi.org/10.1080/15226510802655914>.
- Geiger, DLB, L. T. Call, D. J. (1990). Acute Toxicities of Organic Chemicals to Fathead Minnows (*Pimephales promelas*), Volume V. 332 p.
- Giavini, EV, C. Broccia, M. L. (1985). Teratogenesis study of dioxane in rats. *Toxicol Lett.* 26: 85-88. [http://dx.doi.org/10.1016/0378-4274\(85\)90189-4](http://dx.doi.org/10.1016/0378-4274(85)90189-4).
- Harries, FH. (1965). Control of Insects and Mites on Fruit Trees by Trunk Injections. 58: 631-634.
- Haseman, JK; Huff, JE; Zeiger, E; Mcconnell, EE. (1987). Comparative Results of 327 Chemical Carcinogenicity Studies. 74: 229-235.
- Hiatt, RWN, J. J. Matthews, D. C. (1953). Effects of Chemicals on a Schooling Fish, *Kuhlia sandvicensis*. 104: 28-44.
- Johnson, RT, J. Stokes, G. Lothenbach, D. (1993). The Medaka Carcinogenesis Model. 147, 172 (U.S.NTIS AD-A272667).
- Johnson, RT, J. Stokes, G. (1993). Validation of the Medaka Assay for Chemical Carcinogens. 45, 60 (U.S.NTIS AD-A272667).
- Juhnke, IL, D. (1978). Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen auf Akute Fischtoxizitat mit dem Goldorfeentest). 11: 161-164(GER) (ENG TRANSL) (OECDG Data File).
- Kelley, SLA, E. W. Deshpande, M. Schnoor, J. L. Alvarez, P. J. J. (2001). Biodegradation of 1,4-dioxane in planted and unplanted soil: Effect of bioaugmentation with *Amycolata* sp CB1190. *Water Res.* 35: 3791-3800. [http://dx.doi.org/10.1016/S0043-1354\(01\)00129-4](http://dx.doi.org/10.1016/S0043-1354(01)00129-4).
- Kitchin, KTB, J. L. Kulkarn, A. P. (1992). Predictive assay for rodent carcinogenicity using in vivo biochemical parameters: Operational characteristics and complementarity. *Mutat Res.* 266: 253-272. [http://dx.doi.org/10.1016/0027-5107\(92\)90193-6](http://dx.doi.org/10.1016/0027-5107(92)90193-6).
- Kitchin, KTB, J. L. (1994). Dose-response relationship for rat liver DNA damage caused by 49 rodent carcinogens. *Toxicology.* 88: 31-49. [http://dx.doi.org/10.1016/0300-483X\(94\)90109-0](http://dx.doi.org/10.1016/0300-483X(94)90109-0).

Environmental Hazard Literature Search Results

On Topic

- Kociba, RJM, S. B. Park, C. Torkelson, T. R. Gehring, P. J. (1974). 1,4-dioxane. I. Results of a 2-year ingestion study in rats. *Toxicol Appl Pharmacol.* 30: 275-286. [http://dx.doi.org/10.1016/0041-008X\(74\)90099-4](http://dx.doi.org/10.1016/0041-008X(74)90099-4).
- Kramer, VCS, D. J. Nickerson, K. W. (1983). Relative Toxicity of Organic Solvents to *Aedes aegypti* Larvae. 42: 285-287.
- Krebs, F. (1991). Bestimmung der Biologischen Schädigung Wassergefährdender Stoffe im Assimilations-Zehrungs-Test (A-Z-Test). 35: 161-170 (OECDG Data File).
- Krewski, DW, J. R. Ku, L. F. Andersen, M. E. (1994). Applications of physiologic pharmacokinetic modeling in carcinogenic risk assessment [Review]. *Environ Health Perspect.* 102: 37-50.
- Lee, RMB, W. A. (1974). Synergist Ratios, EPN Detoxication, Lipid, and Drug-Induced Changes in Carbaryl Toxicity in *Megachile pacifica*. 3: 899-907.
- Mungikar, AMP, S. S. (1978). Induction of the hepatic microsomal mixed function oxidase system in mice by p-dioxane. *Bull Environ Contam Toxicol.* 20: 797-804. <http://dx.doi.org/10.1007/BF01683603>.
- Pawar, SSM, A. M. (1976). Dioxane-induced changes in mouse liver microsomal mixed function oxidase system. *Bull Environ Contam Toxicol.* 15: 762-767.
- Rekha, PM, B. C. Kumari, S. G. V. Indumathi, C. Mithyantha, M. S. (2006). Studies on the Identification of Suitable Solvents for Microbial Bioassay. 90: 1663-1667.
- Reynolds, T. (1989). Comparative Effects of Heterocyclic Compounds on Inhibition of Lettuce Fruit Germination. 40: 391-404 (OECDG Data File).
- Sciences, G. (1988). Health and Environmental Effects Assessments for 1,4-Dioxane, Dioxane in Cosmetic Preparations and Other Studies with Cover Letter Dated 100688. 198 p. (OTS0516624).
- Sell, HMR, W. Fisher, E. G. Lagasse, F. S. (1942). Effect of Chemical Treatments in Prolonging Dormancy of Tung Buds. 103: 788-793.
- Take, MO, M. Yamamoto, S. Matsumoto, M. Nagano, K. Fukushima, S. (2012). Distribution of 1,4-dioxane by combined inhalation plus oral exposure routes in rats. *Int J Environ Anal Chem.* 92: 1715-1728. <http://dx.doi.org/10.1080/03067319.2011.581370>.
- Torkelson, TRL, B. K. J. Kociba, R. J. Richter, W. A. Gehring, P. J. (1974). 1,4-Dioxane. II. Results of a 2-year inhalation study in rats. *Toxicol Appl Pharmacol.* 30: 287-298. [http://dx.doi.org/10.1016/0041-008X\(74\)90100-8](http://dx.doi.org/10.1016/0041-008X(74)90100-8).
- Trosko, JE. (1995). Dose-Response Studies of Genotoxic Rodent Carcinogens: Thresholds, Hockey Sticks, Hormesis or Straight Lines? 3: 45 p.
- Uno, YT, H. Miyagawa, M. Inoue, Y. Murata, T. Yoshikawa, K. (1994). An in vivo-in vitro replicative DNA synthesis (RDS) test using rat hepatocytes as an early prediction assay for nongenotoxic hepatocarcinogens screening of 22 known positives and 25 noncarcinogens. *Mutat Res.* 320: 189-205. [http://dx.doi.org/10.1016/0165-1218\(94\)90046-9](http://dx.doi.org/10.1016/0165-1218(94)90046-9).
- Walker, MK. (1991). Toxicity of Polychlorinated Dibenzo-p-Dioxins, Polychlorinated Dibenzofurans, and Polychlorinated Biphenyls During Salmonid Early Development. 228 p. (UMI#9134350) (PUBL AS 9133559,9133597,9133859,9135076,9137931,9113466).
- Walker, MKHLC, J. R. Clayton, M. K. Peterson, R. E. (1992). An egg injection method for assessing early life stage mortality of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls in rainbow trout, (*Oncorhynchus mykiss*). *Aquat Toxicol. AMST:* 15-37.
- Williams, PLJ, R. C. Roberts, S. M. (2000). Principles of Toxicology: Environmental and Industrial Applications. 603 p.
- Yoon, JSM, J. M. Valencia, R. Woodruff, R. C. Zimmering, S. (1985). Chemical mutagenesis testing in *Drosophila*. IV. Results of 45 coded compounds tested for the National Toxicology Program. *Environ Mutagen.* 7: 349-367. <http://dx.doi.org/10.1002/em.2860070310>.

Environmental Hazard Literature Search Results

Off Topic

- AyrÅs, P; Pihlaja, K. (1973). Conformational analysis of 2,6-Dialkyl- and 2,2,6-trialkyl-4-oxo-1,3-dioxans. *Tetrahedron.* 29: 1311-1316.
- Abad, A; Agullo, C; Cunat, AC; Vilanova, C. (2005). Regioselective preparation of pyridin-2-yl ureas from 2-chloropyridines catalyzed by Pd(0). *Synthesis-Stuttgart*915-924.
- Abaee, MS; Mojtahedi, MM; Hamidi, V; Mesbah, AW; Massa, W. (2008). The first synthesis of bis(arylmethylidene)dioxan-5-ones: Potential scaffolds to access vicinal tricarbonyl derivatives. *Synthesis-Stuttgart*2122-2126.
- Abate, A; Brenna, E; Fronza, G; Fuganti, C; Ronzani, S; Serra, S. (2003). Enzyme-mediated preparation of chiral 1,3-dioxane odorants. *Helvetica Chimica Acta.* 86: 592-606.
- Abate, A; Brenna, E; Fuganti, C; Serra, S. (2004). Enzyme-mediated synthesis of new 1,3-dioxane-odorants related to Floropal (R). *Flavour and Fragrance Journal.* 19: 382-393.
- Abbas, B; Khalil, MA. (2011). Absorption characteristics of Disperse Blue 1/dioxane solutions. *Optica Applicata.* 41: 207-216.
- Abbenhuis, R; Boersma, J; van Koten, G. (1998). Ruthenium-complex-catalyzed N-(cyclo)alkylation of aromatic amines with diols. Selective synthesis of N-(omega-hydroxyalkyl)anilines of type PhNH(CH₂)_nOH and of some bioactive arylpiperazines. *J Org Chem.* 63: 4282-4290.
- Abbondandolo, A; Bonatti, S; Corsi, C; Corti, G; Fiorio, R; Leporini, C; Mazzaccaro, A; Nieri, R; Barale, R; Loprieno, N. (1980). The use of organic solvents in mutagenicity testing. *Mutat Res.* 79: 141-150.
- Abdelkafi, H; Evanno, L; Herson, P; Nay, B. (2011). Synthetic studies toward the cytotoxic norditerpene (+)-harringtonolide: setting up key-stereogenic centers of the cyclohexane ring D. *Tetrahedron Letters.* 52: 3447-3450.
- Abdel-Khalik, MM; Elnagdi, MH; Agamy, SM. (2000). Studies with functionally substituted heteroaromatics: The chemistry of N-phenylhydrazonylalkylpyridinium salts and of phenylhydrazonylalkylbenzoozoles. *Synthesis-Stuttgart*1166-1169.

Environmental Hazard Literature Search Results

Off Topic

- Abdulla, MM; Amr, AE; Al-Omar, MA; Hussain, AA; Shalaby, AFA. (2014). Synthesis and pharmacological activities of some novel 5-chloro-N-(4-(1,5-(disubstituted)-4,5-dihydro-1H-pyrazol-3-yl)phenyl)-2-methoxybenzamide derivatives. *Medicinal Chemistry Research*. 23: 2113-2121.
- Abe, A. (1999). Distribution of 1,4-dioxane in relation to possible sources in the water environment. *Sci Total Environ*. 227: 41-47.
- Abe, A; Furuya, H; Ichimura, N; Kawauchi, S. (1997). Gas phase NMR and ab initio molecular orbital calculations of 5-methoxy-1,3-dioxanes: a critical survey of the Gauche effect. *Journal of Molecular Structure*. 404: 335-338.
- Abe, M; Eto, M; Yamaguchi, K; Yamasaki, M; Misaka, J; Yoshitake, Y; Otsuka, M; Harano, K. (2012). Clathrate formation of Diels-Alder adduct of phencyclone and acenaphthylene. Key role of CH/pi and bidentate CH/O interactions of the phenanthrene ring in construction of host framework. *Tetrahedron*. 68: 3566-3576.
- Abe, T; Takeda, H; Miwa, Y; Yamada, K; Yanada, R; Ishikura, M. (2010). Copper-Catalyzed Ritter-Type Reaction of Unactivated Alkenes with Dichloramine-T. *Helvetica Chimica Acta*. 93: 233-241.
- Abian, O; Mateo, C; Fernandez-Lorente, G; Palomo, JM; Fernandez-Lafuente, R; Guisan, JM. (2001). Stabilization of immobilized enzymes against water-soluble organic cosolvents and generation of hyper-hydrophilic micro-environments surrounding enzyme molecules. *Biocatalysis and Biotransformation*. 19: 489-503.
- Abou Attia, FM. (2000). Use of charge-transfer complex formation for the spectrophotometric determination of nortriptyline. *Farmaco*. 55: 659-664.
- Abou-Zied, OK. (2013). Effect of NH₄⁺ rotation on the fluorescence of 2-aminopurine in solution. *Journal of Photochemistry & Photobiology, A: Chemistry*. 261: 1-6.
- Abramyan, YA; Karamyan, GG; Murodyan, AA; Stafeev, VI; Serago, VI. (1999). Effect of liquid dielectrics on the efficiency of silicon solar cells. *Semiconductors*. 33: 1320-1321.
- Acevedo, O; Guzman-Casado, M; Garcia-Mira, MM; Ibarra-Molero, B; Sanchez-Ruiz, JM. (2002). pH corrections in chemical denaturant solutions. *Analytical Biochemistry*. 306: 158-161.
- Acharya, C; Dey, S; Jaisankar, P. (2012). Indium trichloride catalyzed three component one-pot route to 1-hydroxymethyl-3-aminomethyl indoles. *Tetrahedron Letters*. 53: 5548-5551.
- Adam, W; Albert, R. (1992). Synthesis and reactions of the cyclic silyl peroxide 1,1,4,4-tetramethyl-2,3-dioxane-1,4-disilacyclohexane. *Tetrahedron Letters*. 33: 8015-8016.
- Adams, TE; El Sous, M; Hawkins, BC; Hirner, S; Holloway, G; Khoo, ML; Owen, DJ; Savage, GP; Scammells, PJ; Rizzacasa, MA. (2009). Total Synthesis of the Potent Anticancer Aglaia Metabolites (-)-Silvestrol and (-)-Episilvestrol and the Active Analogue (-)-4'-Desmethoxyepisilvestrol. *J Am Chem Soc*. 131: 1607-1616.
- Adamson, DT; Anderson, RH; Mahendra, S; Newell, CJ. (2015). Evidence of 1,4-Dioxane Attenuation at Groundwater Sites Contaminated with Chlorinated Solvents and 1,4-Dioxane. *Environmental Science & Technology*. 49: 6510-6518.
- Adamson, DT; de Blanc, PC; Farhat, SK; Newell, CJ. (2016). Implications of matrix diffusion on 1,4-dioxane persistence at contaminated groundwater sites. *Sci Total Environ*. 562: 98-107.
- Adamson, DT; Mahendra, S; Walker, KL; Rauch, SR; Sengupta, S; Newell, CJ. (2014). A Multisite Survey To Identify the Scale of the 1,4-Dioxane Problem at Contaminated Groundwater Sites. *Environ Sci Technol Lett*. 1: 254-258.
- Adamson, P; Xiang, JZ; Mantzourides, T; Brammer, MJ; Campbell, IC. (1989). Presynaptic alpha 2-adrenoceptor and kappa-opiate receptor occupancy promotes closure of neuronal (N-type) calcium channels. *Eur J Pharmacol*. 174: 63-70.
- Addison, MP; Singh, TU; Parida, S; Choudhury, S; Kasa, JK; Sukumaran, SV; Darzi, SA; Kandasamy, K; Singh, V; Kumar, D; Mishra, SK. (2016). NO synthase inhibition attenuates EDHF-mediated relaxation induced by TRPV4 channel agonist GSK1016790A in the rat pulmonary artery: Role of TxA2. *Pharmacological Reports*. 68: 620-626.
- Adelakun, OE; Kudanga, T; Parker, A; Green, IR; le Roes-Hill, M; Burton, SG. (2012). Laccase-catalyzed dimerization of ferulic acid amplifies antioxidant activity. *Journal of molecular catalysis*. 74: 29-35.
- Adesina, SK; Wight, SA; Akala, EO. (2014). Optimization of the fabrication of novel stealth PLA-based nanoparticles by dispersion polymerization using D-optimal mixture design. *Drug Dev Ind Pharm*. 40: 1547-1556.
- Adikwu, MU; Ofokansi, KC; Attama, AA. (1998). Thermodynamic studies of the charge-transfer interactions of chloranilic acid with moclobemide and promethazine hydrochloride. *Biological & Pharmaceutical Bulletin*. 21: 1243-1246.
- Adikwu, MU; Ofokansi, KC; Attama, AA. (1999). Spectrophotometric and thermodynamic studies of the charge-transfer interaction between diethylcarbamazine citrate and chloranilic acid. *Chemical & Pharmaceutical Bulletin*. 47: 463-466.
- Adjei, A; Newburger, J; Martin, A. (1980). Extended hildebrand approach: Solubility of caffeine in dioxane-water mixtures. *J Pharm Sci*. 69: 659-661.
- Aeberli, P; Houlihan, WJ; Takesue, EI. (1969). Synthesis and antiinflammatory activity of 2-aryl-2-alpha-piperidyl-1,3-dioxanes. *J Med Chem*. 12: 51-54.
- Aepkers, M; Wunsch, B. (2004). Synthesis and NMDA-receptor affinity of ring and side chain homologous dexoxadrol derivatives. *Arch Pharm (Weinheim)*. 337: 67-75.
- Aepkers, M; Wunsch, B. (2005). Structure-affinity relationship studies of non-competitive NMDA receptor antagonists derived from dexoxadrol and etoxadrol. *Bioorganic & Medicinal Chemistry*. 13: 6836-6849.
- Aerts, JM; Boot, RG; van, EM; Groener, J; Bijl, N; Lombardo, E; Biatrix, FM; Dekker, N; Groen, AK; Ottenhoff, R; van, RC; Aten, J; Serlie, M; Langeveld, M; Wennekes, T; Overkleef, HS. (2011). Glycosphingolipids and insulin resistance. *Adv Exp Med Biol*. 721: 99-119.
- Afrin, T; Tsuzuki, T; Kanwar, RK; Wang, X. (2012). The origin of the antibacterial property of bamboo. *J Text Inst*. 103: 844-849.

Environmental Hazard Literature Search Results

Off Topic

- Afzal, AJ; Bokhari, SA; Siddiqui, KS. (2007). Kinetic and thermodynamic study of a chemically modified highly active xylanase from *Scopulariopsis* sp - Existence of an essential amino group. *Appl Biochem Biotechnol.* 141: 273-297.
- Afzal, AJ; Bokhari, SA; Siddiqui, KS. (2007). Kinetic and thermodynamic study of a chemically modified highly active xylanase from *Scopulariopsis* sp.: existence of an essential amino group [Erratum: 2008, v. 150, no. 1, p. 113.]. *Appl Biochem Biotechnol.* 141: 273-298.
- Agami, C; Kadouri-Puchot, C; Le Guen, Vr. (1993). Synthesis of homochiral β -cyperone via enantioselective catalysis. *Tetrahedron: Asymmetry.* 4: 641-644.
- Agar, S; Durmaz, H; Gunay, US; Hizal, G; Tunca, U. (2015). Polymer grafting onto polyurethane backbone via Diels-Alder reaction. *Journal of polymer science.* 53: 521-527.
- Aggarwal, M; Dhindwal, S; Kumar, P; Kuhn, RJ; Tomar, S. (2014). trans-Protease Activity and Structural Insights into the Active Form of the Alphavirus Capsid Protease. *Journal of Virology.* 88: 12242-12253.
- Aggarwal, VK; Alonso, E; Bae, I; Hynd, G; Lydon, KM; Palmer, MJ; Patel, M; Porcelloni, M; Richardson, J; Stenson, RA; Studley, J; Vasse, JL; Winn, CL. (2003). A new protocol for the in situ generation of aromatic, heteroaromatic, and unsaturated diazo compounds and its application in catalytic and asymmetric epoxidation of carbonyl compounds. Extensive studies to map out scope and limitations, and rationalization of diastereo- and enantioselectivities. *J Am Chem Soc.* 125: 10926-10940.
- Agirre, I; Gámez, MB; Ugarte, A; Reques, J; Barrio, VL; Cambra, JF; Arias, PL. (2013). Glycerol acetals as diesel additives: Kinetic study of the reaction between glycerol and acetaldehyde. *Fuel Process Tech.* 116: 182-188.
- Agirre, I; Garcia, I; Reques, J; Barrio, VL; Guemez, MB; Cambra, JF; Arias, PL. (2011). Glycerol acetals, kinetic study of the reaction between glycerol and formaldehyde. *Biomass & Bioenergy.* 35: 3636-3642.
- Ago, Y; Nakamura, S; Baba, A; Matsuda, T. (2008). Neuropsychotoxicity of abused drugs: effects of serotonin receptor ligands on methamphetamine- and cocaine-induced behavioral sensitization in mice. *J Pharmacol Sci.* 106: 15-21.
- Ago, Y; Nakamura, S; Uda, M; Kajii, Y; Abe, M; Baba, A; Matsuda, T. (2006). Attenuation by the 5-HT1A receptor agonist osetozotan of the behavioral effects of single and repeated methamphetamine in mice. *Neuropharmacology.* 51: 914-922.
- Agrawal, YK. (1977). Transition metal complexes of N-(6-methylbenzoyl)-N-(phenylhydroxylamine): Thermodynamic properties and effect of inner orbital splitting. *Journal of Inorganic and Nuclear Chemistry.* 39: 2011-2013.
- Agrawal, YK; Giridhar, R; Menon, SK. (1987). Sulfa Drugs: Thermodynamic Proton-Ligand and Metal-Ligand Stability Constants. *J Pharm Sci.* 76: 903-906.
- Agrawal, YK; Sharma, TP. (1977). Thermodynamic proton ligand stability constants of hydroxamic acids. *Journal of Inorganic and Nuclear Chemistry.* 39: 1823-1826.
- Agresta, G; Gandolfi, C; Guidobono, F; Mandelli, V; Montesanti, L; Pecile, A. (1972). Biological activities of a new acetalic ether of oestradiol: 17-(1',4'-dioxan-2'-yloxy)-oestra-1,3,5(10)-trien-3-ol (17-dioxanyloestradiol). *Acta endocrinologica.* 69: 95-106.
- Aguié-Beghin, V; Foulon, L; Soto, P; Cronier, D; Corti, E; Legee, F; Cezard, L; Chabbert, B; Maillard, MN; Huijgen, WJJ; Baumberger, S. (2015). Use of Food and Packaging Model Matrices to Investigate the Antioxidant Properties of Biorefinery Grass Lignins. *J Agric Food Chem.* 63: 10022-10031.
- Ahlmann, M; Walter, O. (2004). Syntheses and coordination behaviour of 2-(ortho-phosphinophenyl)-functionalised 1,3-dioxolanes and 1,3-dioxanes towards a [(COD)Rh]-complex fragment β models for immobilised complexes. *Journal of Organometallic Chemistry.* 689: 3117-3131.
- Ahmad, A; Salahuddin, A. (1996). Effect of organic solvents on lysozyme-antilysozyme precipitin reaction. *Comparative biochemistry and physiology Part C, Pharmacology, toxicology & endocrinology.* 114: 119-121.
- Ahmad, M; King, TA; Ko, DK; Cha, BH; Lee, J. (2002). Photostability of lasers based on pyromethene 567 in liquid and solid-state host media. *Optics Communications.* 203: 327-334.
- Ahmed, A; Hoegenauer, EK; Enev, VAS; Hanbauer, M; Kaehlig, H; Ohler, E; Mulzer, J. (2003). Total synthesis of the microtubule stabilizing antitumor agent laulimalide and some nonnatural analogues: The power of sharpless' asymmetric epoxidation. *J Org Chem.* 68: 3026-3042.
- Ahmed, B; Habibullah; Khan, S. (2011). Synthesis and antihepatotoxic activity of 2-(substituted-phenyl)-5-(2,3-dihydro-1,4-benzodioxane-2-yl)-1,3,4-oxadiazole derivatives. *J Enzyme Inhib Med Chem.* 26: 216-221.
- Ahmed, B; Khan, SA; Alam, T. (2003). Synthesis and antihepatotoxic activity of some heterocyclic compounds containing the 1,4-dioxane ring system. *Pharmazie.* 58: 173-176.
- Ahn, J; Park, KH; Noh, TH; Jung, O-S. (2011). Specific molecular container for dioxane: Ionic metallacyclodimeric palladium(II) complex. *Inorganic Chemistry Communications.* 14: 1868-1870.
- Aitipamula, S; Chow, PS; Tan, RBH. (2011). Solvates and a monohydrate of N⁺-acetylsulfamerazine: Structural, thermochemical, and computational analysis. *Journal of molecular structure.* 1005: 134-140.
- Ajiro, H; Takahashi, Y; Akashi, M; Fujiwara, T. (2012). Poly lactide block copolymers using trimethylene carbonate with methoxyethoxy side groups for dual modification of hydrophilicity and biodegradability. *Macromol Biosci.* 12: 1315-1320.
- Akbarzadeh, A; Samiei, M; Joo, SW; Anzaby, M; Hanifehpour, Y; Nasrabadi, HT; Davaran, S. (2012). Synthesis, characterization and in vitro studies of doxorubicin-loaded magnetic nanoparticles grafted to smart copolymers on A549 lung cancer cell line. *Journal of Nanobiotechnology.* 10: 46.
- Akbarzadeh, R; Minton, JA; Janney, CS; Smith, TA; James, PF; Yousefi, AM. (2015). Hierarchical polymeric scaffolds support the growth of MC3T3-E1 cells. *Journal of Materials Science-Materials in Medicine.* 26: 116-116.
- Akhlaghinia, B; Ebrahimabadi, H; Goharshadi, EK; Samiee, S; Rezazadeh, S. (2012). Ceria nanoparticles as an efficient catalyst for oxidation of benzylic CH bonds. *Journal of Molecular Catalysis.* 357: 67-72.

Environmental Hazard Literature Search Results

Off Topic

- Akin, DE; Rigsby, LL; Barton, FE, II; Gelfand, P; Himmelsbach, DS; Windham, WR. Influence of delignifying agents on tissue structure in bermudagrass stems. *Food microstructure*. 1987. v. 6 (1): 103-113 ill.
- Akkouch, A; Zhang, Z; Rouabhia, M. (2011). A novel collagen/hydroxyapatite/poly(lactide-co-epsilon-caprolactone) biodegradable and bioactive 3D porous scaffold for bone regeneration. *Journal of Biomedical Materials Research Part A*. 96A: 693-704.
- Akpogomeh, BA; Johns, EJ. (1990). The alpha-adrenoceptor mediating the tubular actions of the renal nerves in spontaneously hypertensive and stroke-prone spontaneously hypertensive rats. *Journal of autonomic pharmacology*. 10: 201-212.
- Al Alousi, AS; Shehata, MR; Shoukry, MM; Mohamed, NM. (2009). Interaction of dimethyltin(IV) and trimethyltin(IV) with dehydroacetic acid. *Chem Speciation Bioavailability*. 21: 1-6.
- Alabugin, IV. (2000). Stereoelectronic interactions in cyclohexane, 1,3-dioxane, 1,3-oxathiane, and 1,3-dithiane: W-effect, sigma(C-X) (<->) sigma*(C-H) interactions, anomeric effect - What is really important? *J Org Chem*. 65: 3910-3919.
- Al-Alousy, A; Burgess, J. (1992). Solubilities and solvation of I²-diketonate complexes. *Polyhedron*. 11: 531-539.
- Al-Azemi, TF; Dib, HH; Al-Awadi, NA; El-Dusouqui, OME. (2008). Selective pyrolysis of bifunctional compounds: gas-phase elimination of carbonate-ester functionalities. *Tetrahedron*. 64: 4126-4134.
- Al-Azemi, TF; Harmon, JP; Bisht, KS. (2000). Enzyme-catalyzed ring-opening copolymerization of 5-methyl-5-benzoyloxycarbonyl-1,3-dioxan-2-one (MBC) with trimethylene carbonate (TMC): Synthesis and characterization. *Biomacromolecules*. 1: 493-500.
- Albertin, G; Antoniutti, S; Castro, Js. (2012). Preparation and reactivity of stannyl and germyl complexes of cobalt. *Journal of Organometallic Chemistry*. 718: 108-116.
- Albertin, G; Antoniutti, S; Castro, Js. (2012). Synthesis and reactivity of germyl complexes of manganese and rhenium. *Journal of Organometallic Chemistry*. 696: 4191-4201.
- Albertin, G; Antoniutti, S; Castro, Js; Scapinello, F. (2014). Preparation and reactivity of germyl complexes of ruthenium and osmium stabilised by cyclopentadienyl, indenyl and tris(pyrazolyl)borate fragments. *Journal of Organometallic Chemistry*. 751: 412-419.
- Alberts, P. (1995). Presynaptic alpha 2A-adrenoceptors regulate the 3H-noradrenaline secretion in the guinea-pig urethra. *Pharmacology & toxicology*. 77: 95-101.
- Albrecht, J. (1981). Cerebral RNA Synthesis in Experimental Hepatogenic Encephalopathy. *Journal of Neuroscience Research*. 6: 553-558.
- Albrecht, M; Dehn, S; Schmid, S; DeGroot, M. (2007). Enantiomerically pure bis-beta-diketones: Valuable building blocks for metallocsupramolecular chemistry. *Synthesis-Stuttgart*155-158.
- Albro, PW; Luster, MI; Chae, K; Clark, G; McKinney, JD. (1982). Radioimmunoassay of chlorinated dibenzo-p-dioxins. *Methods in enzymology*. 84: 619-640.
- Alcaraz, C; Bernab  , M. (1994). Asymmetric synthesis of the natural diastereoisomer of trans-  -(2-carboxymethylcyclopropyl)glycine isolated from *Blighia unijugata*. *Tetrahedron: Asymmetry*. 5: 1221-1224.
- Al-Damluji, S; Ross, G; Touzel, R; Perrett, D; White, A; Besser, GM. (1988). Modulation of the actions of tyrosine by alpha 2-adrenoceptor blockade. *Br J Pharmacol*. 95: 405-412.
- Aleman, C; Betran, O; Casanovas, J; Houk, KN; Hall, HK. (2009). Thermodynamic Control of the Polymerizability of Five-, Six-, and Seven-Membered Lactones. *J Org Chem*. 74: 6237-6244.
- Alexandre, MC; Popineau, Y; Viroben, G; Chiarello, M; Lelion, A; Gueguen, J. Wheat gamma gliadin as substrate for bovine plasma factor XIII. *J Agric Food Chem*. Nov 1993. v. 41 (11): 2208-2214.
- Alhaider, AA. (1991). Antinociceptive effect of ketanserine in mice: involvement of supraspinal 5-HT₂ receptors in nociceptive transmission. *Brain Res*. 543: 335-340.
- Ali, A; Ahmad, VU; Leistner, J; Liebscher, J. (2000). Optically active 1,5-benzothiazepin-4-ones by ring transformation of 5-ylidene-1,3-dioxan-4-ones with 2-aminothiophenol. *Journal of the Chemical Society-Perkin Transactions* 11897-1902.
- Ali, A; Uddin Ahmad, V; Ziemer, B; Liebscher, Jr. (2000). Stereoselective synthesis of 3,4-disubstituted pyroglutamates by ring transformation of 5-ylidene-1,3-dioxan-4-ones with N-(diphenylmethylene)-glycinate. *Tetrahedron: Asymmetry*. 11: 4365-4375.
- Ali, B; Zukerman-Schpector, J; Ferreira, FP; Shamim, A; Pimenta, DC; Stefani, HA. (2015). Lewis-acid catalyzed N-acyliminium ion cyclodimerization: synthesis of symmetrical 1,4-dioxanes. *Tetrahedron Letters*. 56: 1153-1158.
- Ali, SF; Tariq, M. (1982). Effect of Carbon Tetrachloride on Cardiac Lipid Peroxidation, Serum Lipids and Enzymes of Albino Rats. *Toxicol Lett*. 11: 229-232.
- Allen, JM; Aprahamian, SL; Sans, EA; Shechter, H. (2002). Electronic effects and the stereochemistries in rearrangement-displacement reactions of triaryl(halomethyl)silanes with fluoride and with alkoxide ions. *J Org Chem*. 67: 3561-3574.
- Almajan, GL; Barbuceanu, SF; Bancescu, G; Saramet, I; Saramet, G; Draghici, C. (2010). Synthesis and antimicrobial evaluation of some fused heterocyclic 1,2,4 triazolo 3,4-b 1,3,4 thiaziazole derivatives. *Eur J Med Chem*. 45: 6139-6146.
- Almansour, AI. (1997). Comparison of the reactivities of (Me₃Si)C₃SiMe₂I and (PriMe₂Si)C₃SiMe₂I. *Journal of Organometallic Chemistry*. 543: 83-86.
- Al-Mossawi, MAJ; Kadri, M; Salama, M; Salem, A. (1982). The efficiency of various solvents in the extraction of chemical mutagens from living tissues: a comparative study. *Mutation Research Letters*. 104: 43-48.
- Almstead, NG. (1992). Part I. Stereochemical studies on the addition of allylsilanes to aldehydes. Part II. Stereochemical studies on the addition of allylmetal reagents to acetals. PhD, University of Illinois at Urbana-Champaign398.
- Alonso, F; Dacunha, B; Melendez, J; Yus, M. (2005). Regioselective synthesis of 1,7-dioxaspiro 4.4 nonanes from a trimethylenemethane dianion synthon. *Tetrahedron*. 61: 3437-3450.
- Alonso, F; Falvello, LR; Fanwick, PE; Lorenzo, E; Yus, M. (2000). Synthesis of substituted 1,6-dioxaspiro 3.4 octanes from 3-chloro-2(chloromethyl)prop-1-ene. *Synthesis-Stuttgart*949-952.

Environmental Hazard Literature Search Results

Off Topic

- Alonso, F; Melendez, J; Yus, M. (2004). Straightforward synthesis of 1,7-dioxaspiro 4.4 nonanes. *Tetrahedron Letters*. 45: 1717-1720.
- Alper, H; Laplante, M. (1978). Reactions of azirines with N-bromosuccinimide. *Tetrahedron*. 34: 625-626.
- Altona, C; Havinga, E. (1966). Investigations into the conformation of non-aromatic ring compounds XI : Coupling constants in some cis-2,3-disubstituted-1,4-dioxans: a reassignment of the structure of trans-naphthodioxan. *Tetrahedron*. 22: 2275-2280.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Advanced oxidation of five contaminants in water by UV/TiO₂: Reaction kinetics and byproducts identification. *J Environ Manage*. 181: 544-551.
- Alves, FH; C, CC; Resstel, LB. (2014). Both α_1 - and α_2 -adrenoceptors in the insular cortex are involved in the cardiovascular responses to acute restraint stress in rats. *PLoS ONE*. 9.
- Alves, MJ; Duarte, VCM; Faustino, HI; Fortes, AnG. (2010). Diastereo-controlled Diels-Alder cycloadditions of erythrose benzylidene-acetal 1,3-butadienes by 4-substituted-1,2,4-triazoline-3,5-dione: Evidence for the stereoelectronic effects on the dienes. *Tetrahedron: Asymmetry*. 21: 1817-1820.
- Amabeoku, G; Chandomba, R. (1994). Strychnine-induced seizures in mice: the role of noradrenaline. *Progress in neuro-psychopharmacology & biological psychiatry*. 18: 753-763.
- Amabeoku, GJ. (1993). The involvement of noradrenaline, 5-hydroxytryptamine and acetylcholine in imipramine-induced seizures in mice. *Experientia*. 49: 859-864.
- Amer, H; Nypelo, T; Sulaeva, I; Bacher, M; Henniges, U; Potthast, A; Rosenau, T. (2016). Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). *Biomacromolecules*. 17: 2972-2980.
- Amr, A-G; Abdel-Latif, NA; Abdalla, MM. (2006). Synthesis of some new testosterone derivatives fused with substituted pyrazoline ring as promising 5 α -reductase inhibitors. *Acta pharmaceutica (Zagreb, Croatia)*. 56: 203-218.
- Amthor, S; Lambert, C; Graser, B; Leusser, D; Selinka, C; Stalke, D. (2004). Synthesis and ligand properties of thianthrenophane. *Organic & Biomolecular Chemistry*. 2: 2897-2901.
- An, YY; Xia, HG; Wu, J. (2016). A palladium-catalyzed coupling reaction of aryl nonaflates, sulfur dioxide, and hydrazines. *Organic & Biomolecular Chemistry*. 14: 1665-1669.
- Ananda, K; Gopi, HN; Babu, VVS. (2000). Convenient and efficient synthesis of Boc-/Z-/Fmoc-beta-amino acids employing N-protected alpha-amino acid fluorides. *Journal of Peptide Research*. 55: 289-294.
- Anderson, RH; Anderson, JK; Bower, PA. (2012). Co-occurrence of 1,4-dioxane with trichloroethylene in chlorinated solvent groundwater plumes at US Air Force installations: Fact or fiction. *Integr Environ Assess Manag*. 8: 731-737.
- Andrus, MB; Lepore, SD. (1995). Asymmetric additions to dichlorophenyldioxane, a new chiral acetal. *Tetrahedron Letters*. 36: 9149-9152.
- Andrus, MB; Ma, YD; Zang, YF; Song, C. (2002). Palladium-imidazolium-catalyzed carbonylative coupling of aryl diazonium ions and aryl boronic acids. *Tetrahedron Letters*. 43: 9137-9140.
- Andrus, MB; Mendenhall, KG; Meredith, EL; Soma Sekhar, BBV. (2002). Glycolate aldol reactions with boron enolates of bis-4-methoxyphenyl dioxanone. *Tetrahedron Letters*. 43: 1789-1792.
- Angel, I; Grosset, A; Perrault, G; Schoemaker, H; Langer, SZ. (1993). In vivo pharmacological profile of SL 84.0418, a new selective, peripherally active alpha 2-adrenoceptor antagonist. *Eur J Pharmacol*. 234: 137-145.
- Angel, I; Niddam, R; Langer, SZ. (1990). Involvement of alpha-2 adrenergic receptor subtypes in hyperglycemia. *The Journal of pharmacology and experimental therapeutics*. 254: 877-882.
- Angeli, P; Buccioni, M; Gulini, U; Marucci, G; Sagratini, G; Melchiorre, C; Abouazra, HA; Sharif, SI. (2002). Hyperglycaemia: a morphine-like effect produced by naloxone. *Bioorganic & medicinal chemistry*. 10: 1291-1303.
- Angulo, G; Kapturkiewicz, A; Chang, S-Y; Chi, Y. (2009). Electrochemiluminescence studies of phosphine chelated osmium(II) complexes. *Inorganic Chemistry Communications*. 12: 378-381.
- Anhoury, ML; Crooy, P; De Neys, R; Laridant, A. (1976). Rapid determination of dimethyl polysiloxane by proton magnetic resonance spectroscopy. *J Pharm Sci*. 65: 590-592.
- Anita, K; Rajmuhon, SN. (2011). Absorption spectral analysis of 4f-4f transitions for the complexation of Pr(III) and Nd(III) with thiosemicarbazide in absence and presence of Zn(II) in aqueous and organic solvents. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 81: 117-121.
- Anju, RS; Geetharani, K; Roy, DK; Ghosh, S. (2013). Synthesis and structural characterization of diruthenium cluster containing germylene ligand. *Journal of Organometallic Chemistry*. 731: 18-22.
- Anon. (2004). Final Report of the Amended Safety Assessment of *Dioscorea Villosa* (Wild Yam) Root Extract. *International Journal of Toxicology*. 23: 49-54.
- Anonymous. (1992). 2-Butyl-4,4,6-trimethyl-1,3-dioxane. *FOOD CHEM TECHNOL*. 30.
- Ansari, GAS; Moslen, MT; Reynolds, ES. (1982). Evidence for in vivo covalent binding of CCl₃ derived from CCl₄ to cholesterol of rat liver. *Biochem Pharmacol*. 31: 3509-3510.
- Anteunis, M; Camerlynck, R. (1975). NMR experiments on acetals XI : Conformational study of 5-alkylidene-1,3-dioxanes. *Tetrahedron*. 31: 1841-1845.
- Antoniou, MG; Andersen, HR. (2015). Comparison of UVC/S2O8²⁻ with UVC/H2O2 in terms of efficiency and cost for the removal of micropollutants from groundwater. *Chemosphere*. 119: S81-S88.
- Ara, M; Watanabe, M; Imai, Y. (2002). Effect of blending calcium compounds on hydrolytic degradation of poly(DL-lactic acid-co-glycolic acid). *Biomaterials*. 23: 2479-2483.
- Aragane, K; Kojima, K; Fujinami, K; Kamei, J; Kusunoki, J. (2001). Effect of F-1394, an acyl-CoA : cholesterol acyltransferase inhibitor, on atherosclerosis induced by high cholesterol diet in rabbits. *Atherosclerosis*. 158: 139-145.

Environmental Hazard Literature Search Results

Off Topic

- Aragane, K; Kusunoki, J; Kitamine, T; Yamaura, T; Ohnishi, H. (1998). Effects of F-1394, an Acyl-CoA : cholesterol acyltransferase (ACAT) inhibitor, on ACAT activity in HepG2 cells and on hepatic secretion of lipids in triton WR-1339-induced hyperlipidemic rats: Possible role of hepatic ACAT in very low density lipoprotein secretion. *Japanese Journal of Pharmacology*. 76: 309-312.
- Arai, AC; Kessler, M; Rogers, G; Lynch, G. (2000). Effects of the potent ampakine CX614 on hippocampal and recombinant AMPA receptors: Interactions with cyclothiazide and GYKI 52466. *Mol Pharmacol*. 58: 802-813.
- Arai, S; Sudo, Y; Nishida, A. (2004). A highly diastereoselective pinacol coupling reaction of aldehydes and ketones using low-valence niobium generated from Nb(V). *Chemical & Pharmaceutical Bulletin*. 52: 287-288.
- Arakawa, S; Nishio, O; Uno, K; Isomura, S; Ishihara, H; Tejima, S. (1989). Determination of carrageenan in foods by sandwich enzymeimmunoassay. *EISEI KAGAKU*. 35: 301-302.
- Araujo, YJK; Avvari, NP; Paiva, DR; de Lima, DP; Beatriz, A. (2015). Synthesis and enzymatic resolution of racemic 2,3-epoxy propyl esters obtained from glycerol. *Tetrahedron Letters*. 56: 1696-1698.
- Argus, MF; Arcos, JC; Hochligeti, C. (1965). Studies on the carcinogenic activity of protein-denaturing agents: hepatocarcinogenicity of dioxane. *J Natl Cancer Inst*. 35: 949-958.
- Argus, MF; Neuburger, BJ; Myers, SC; Arcos, JC. (1996). Induction of dimethylnitrosamine-demethylase by polar solvents. *Proceedings of the Society for Experimental Biology and Medicine Society for Experimental Biology and Medicine (New York, NY)*. 163: 52-55.
- Argus, MF; Sohal, RS; Bryant, GM; Hoch-Ligeti, C; Arcos, JC. (1973). Dose-response and ultrastructural alterations in dioxane carcinogenesis.: Influence of methylcholanthrene on acute toxicity. *European Journal of Cancer (1965)*. 9: 237-243.
- Argyropoulos, DS; Bolker, HI. Condensation of lignin in dioxane-water-HCl. *Journal of Wood Chemistry and Technology*. 1987. v. 7 (1): 1-23.
- Argyropoulos, DS; Bolker, HI; Heitner, C; Archipov, Y. 31P NMR spectroscopy in wood chemistry. V. Qualitative analysis of lignin functional groups. *Journal of Wood Chemistry and Technology*. 1993. v. 13 (2): 187-212.
- Arias-Montaña, JA; Aceves, J; Nuñez, A. (1996). Noradrenaline-induced inositol phosphate formation in rat striatum is mediated by alpha 1A-adrenoceptors. *Neuropharmacology*.
- Aritomi, M; Kunishima, N; Okitsu, N; Shimizu, M; Ota, Y; Morikawa, K. (2000). Purification, crystallization and preliminary X-ray analysis of a complex between granulocyte colony-stimulating factor and its soluble receptor. *Acta Crystallographica Section D-Biological Crystallography*. 56: 751-753.
- Armanasco, NL; Baker, MV; Brown, DH; Harrowfield, JM; Skelton, BW; White, AH. (2004). Solvent roles in metal ion coordination: the NiCl₂ O-solvates, NiCl₂ · 4MeOH, NiCl₂ · 2MeOH · 0.5dioxan and NiCl₂ · 2H₂O · 2dioxan. *Inorganica Chimica Acta*. 357: 4562-4567.
- Armitage, IM; Huber, H; Live, DH; Pearson, H; Roberts, JD. (1974). Nuclear magnetic resonance spectroscopy. Concentration dependence of the T₁ relaxation time for ¹³C in dioxane-D₂O. Some experimental problems with T₁ measurements. *Journal of Magnetic Resonance (1969)*. 15: 142-149.
- Arnáiz, FJ; Aguado, R; Pedrosa, M; Mahá a, J; Maestro, MA. (2001). Outer-sphere addition compounds of MoO₂Br₂(H₂O)₂ with ethers. Molecular structure of MoO₂Br₂(H₂O)₂ · L (L=2,5,8-trioxanonane; 2,5,8,11,14-pentaoxapentadecane). *Polyhedron*. 20: 2781-2785.
- Arnoldi, A; Camarda, L; Merlini, L. Synthesis and sweet taste of some 2-phenylbenzodioxanes. *J Agric Food Chem*. Mar/Apr 1986. v. 34 (2): 339-344.
- Arnsten, AF; Cai, JX; Goldman-Rakic, PS. (1988). The alpha-2 adrenergic agonist guanfacine improves memory in aged monkeys without sedative or hypotensive side effects: evidence for alpha-2 receptor subtypes. *The Journal of neuroscience : the official journal of the Society for Neuroscience*. 8: 4287-4298.
- Aromdee, C; Suebsasana, S; Ekaklaksananan, T; Pientong, C; Thongchai, S. (2011). Stage of Action of Naturally Occurring Andrographolides and Their Semisynthetic Analogues against Herpes Simplex Virus Type 1 in Vitro. *Planta Med*. 77: 915-921.
- Aroney, MJ; Cooper, MK; Englert, PA; Pierens, RK. (1981). The conformations of some mono-substituted derivatives of (1/6-benzene)tricarbonylchromium(0) from dipole moment and electric birefringence studies. *Journal of Molecular Structure*. 77: 99-108.
- Arregui, CD; Purdie, JA; Haslam, CA; Law, RV; Sanderson, JM. (2016). Optimised conditions for the synthesis of O-17 and O-18 labelled cholesterol. *Chem Phys Lipids*. 195: 58-62.
- Arrica, MA; Azzena, U; Pilo, L; Piras, E. (2002). Diastereoselective electrophilic substitution of ¹³-oxy-substituted benzylolithiums. *Tetrahedron Letters*. 43: 5137-5139.
- Arshantsa, A; Krumina, L; Telysheva, G; Dizhbite, T. (2016). Exploring the application potential of incompletely soluble organosolv lignin as a macromonomer for polyurethane synthesis. *Ind Crop Prod*. 92: 1-12.
- Artamkina, GA; Sergeev, AG; Beletskaya, IP. (2001). Palladium-catalyzed reaction of aryl halides with ureas. *Tetrahedron Letters*. 42: 4381-4384.
- Artau, A; Ho, Y; Kenttamaa, H; Squires, RR. (1999). Diastereoselectivity in gas-phase hydride reduction reactions of ketones. *J Am Chem Soc*. 121: 7130-7137.
- Artem'ev, AV; Oparina, LA; Gusarova, NK; Kolyvanov, NA; Vysotskaya, OV; Bagryanskaya, IY; Trofimov, BA. (2013). Chemoselective synthesis of first representatives of bis(diorganothiophosphinyl)selenides, (R₂P = S)₂Se, from secondary phosphine sulfides and elemental selenium. *Inorganic Chemistry Communications*. 30: 124-127.
- Arulazhagan, P; Sivaraman, C; Kumar, SA; Aslam, M; Banu, JR. (2014). Co-metabolic degradation of benzo(e)pyrene by halophilic bacterial consortium at different saline conditions. *J Environ Biol*. 35: 445-452.
- Aruri, H; Singh, U; Sharma, S; Gudup, S; Bhogal, M; Kumar, S; Singh, D; Gupta, VK; Kant, R; Vishwakarma, RA; Singh, PP. (2015). Cross-Dehydrogenative Coupling of Azoles with alpha-C(sp³)-H of Ethers and Thioethers under Metal-Free Conditions: Functionalization of H-N Azoles via C-H Activation. *J Org Chem*. 80: 1929-1936.
- Asano, S; Kamioka, S; Isobe, Y. (2012). Suzuki-Miyaura cross-coupling reaction of aryl and heteroaryl pinacol boronates for the synthesis of 2-substituted pyrimidines. *Tetrahedron*. 68: 272-279.

Environmental Hazard Literature Search Results

Off Topic

- Asao, N; Aikawa, H. (2006). Lewis acid-catalyzed 4+2 benzannulation between enynal units and enols or enol ethers: Novel synthetic tools for polysubstituted aromatic compounds including indole and benzofuran derivatives. *J Org Chem.* 71: 5249-5253.
- Ashbrook, AW. (1961). Determination of amines and Alkyl Phosphates in kerosene solutions containing Uranium and Sulphuric acid. *Anal Chim Acta.* 24: 504-508.
- Ashby, J. (1994). The genotoxicity of 1,4-dioxane. *Mutat Res.* 322: 141.
- Asiri, AM; El-Daly, SA; Khan, SA. (2012). Spectral characteristics of 4-(p-N,N-dimethyl-aminophenylmethylene)-2-phenyl-5-oxazolone (DPO) in different media. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy.* 95: 679-684.
- Asiri, AM; Sobahi, TR; Osman, OI; Khan, SA. (2017). Photophysical investigation of (D- π -A) DMHP dye: Dipole moments, photochemical quantum yield and fluorescence quantum yield, by solvatochromic shift methods and DFT studies. *Journal of Molecular Structure.* 1128: 636-644.
- Åšlepokura, K; KoÅšlecki, T; Lis, T. (2003). Structure of two isomers of 2,5-diethoxy-2,5-bis(hydroxymethyl)-[1,4]-dioxane at 100 K. *Journal of Molecular Structure.* 647: 223-231.
- Asllani, L; Shankland, E; Pratum, T; Kushmerick, M. (2003). Effects of pH and molecular charge on dipolar coupling interactions of solutes in skeletal muscle observed by DQF, (1)H NMR spectroscopy. *J Magn Reson.* 163: 124-132.
- Asplund, JO; Bowden, T; Mathisen, T; Hilborn, J. (2007). Synthesis of highly elastic biodegradable poly(urethane urea). *Biomacromolecules.* 8: 905-911.
- Assaf-Anid, N. (1993). Reductive dechlorination of chlorinated pollutants by metals and organometallics. PhD, University of Michigan.
- Audran, G; Bosco, L; Bremond, P; Butscher, T; Franconi, JM; Marque, SRA; Mellet, P; Parzy, E; Santelli, M; Thiaudiere, E. (2015). The beta-phosphorus hyperfine coupling constant in nitroxide: part 3: titration of water by electron paramagnetic resonance. *Organic & Biomolecular Chemistry.* 13: 11393-11400.
- Ault, JL; Harries, HJ; Burgess, J. (1977). Substituted I²-diketones and their complexes: Substituent effects on ligand stabilities and anion effects on complex stability constants. *Inorganica Chimica Acta.* 25: 65-69.
- Aurich, HG; TrÅšskan, J. (1974). AminyloxideÅšXVII. ESR-spektroskopische untersuchungen zur struktur des porphyrexids II. Die tautomerie des porphyrexids in dioxan. *Tetrahedron.* 30: 2515-2518.
- Aurich, HG; TrÅšskan, J. (1974). AminyloxideÅšXVIII : ESR-spektroskopische untersuchung der tautomerie beim Åšhydrolyseprodukt des porphyrexidsÅš. *Tetrahedron.* 30: 2519-2522.
- Ausseil, F; Biaudet, H; Masson, P; J. Tramper, MHVeHHB; Stockar, Uv. (1992). Hydrolase Activity of Pseudomonas Fluorescens Lipase in Organic Media. *Progress in Biotechnology*593-600.
- Avdeef, A; Box, KJ; Comer, JEA; Gilges, M; Hadley, M; Hibbert, C; Patterson, W; Tam, KY. (1999). PH-metric log P 11. pK(a) determination of water-insoluble drugs in organic solvent-water mixtures. *J Pharm Biomed Anal.* 20: 631-641.
- Ayats, C; Camps, P; Font-Bardia, M; Munoz, MR; Solans, X; Vazquez, S. (2006). Alternative syntheses of the D(2d) symmetric 1,3,5,7-tetraiodotricyclo 3.3.0.0(3,7) octane. *Tetrahedron.* 62: 7436-7444.
- Aziz, J; Baladi, T; Piguell, S. (2016). Direct Alkynylation of 3H-Imidazo 4,5-b pyridines Using gem-Dibromoalkenes as Alkynes Source. *J Org Chem.* 81: 4122-4133.
- ÅšztunÅš, A; Imre, S; Wagner, H; Norte, M; FernÅšndez, JJ; GonzÅšlez, R. (1991). A new and highly oxygenated bromoallene from a marine source. *Tetrahedron Letters.* 32: 4377-4380.
- BÅšilint, A-M; Bodor, A; GÅšmÅšry, Åš; VÅškey, Kr; SzabÅš, Dn; RÅšbai, Jz. (2005). Mitsunobu synthesis of symmetrical alkyl and polyfluoroalkyl secondary amines. *Journal of Fluorine Chemistry.* 126: 1524-1530.
- BÅšhmer, V; WÅšrsdÅšrfer, K; Becher, U. (1978). Nachbargruppeneffekte bei der aminolyse von esternÅšI: Kinetik der aminolyse von nitrophenylacetaten mit n-butylamin in dioxan. *Tetrahedron.* 34: 2737-2742.
- BÅšnemann, H; Dattagupta, N. (1973). On the binding and specificity of 3,6-bis-(acetatomercurimethyl)-dioxane to DNAs of different base composition. *Biochimica et Biophysica Acta (BBA) - Nucleic Acids and Protein Synthesis.* 331: 341-348.
- Bach, T; Lobel, J. (2002). Selective Prins reaction of styrenes and formaldehyde catalyzed by 2,6-di-tert-butylphenoxy(difluoro)borane. *Synthesis-Stuttgart*2521-2526.
- Bae, YH; Huh, KM; Kim, Y; Park, KH. (2000). Biodegradable amphiphilic multiblock copolymers and their implications for biomedical applications. *J Control Release.* 64: 3-13.
- Baek, YH; Choi, DY; Yang, HI; Park, DS. (2005). Analgesic effect of electroacupuncture on inflammatory pain in the rat model of collagen-induced arthritis: mediation by cholinergic and serotonergic receptors. *Brain Res.* 1057: 181-185.
- Bagnoli, L; Cacchi, S; Fabrizi, G; Goggiamani, A; Scarponi, C; Tiecco, M. (2010). Diastereoselective Synthesis of Hexahydro-3H-pyrrolyzin-3-ones through Pd-Catalyzed Carboamination. *J Org Chem.* 75: 2134-2137.
- Bailey, WF; Croteau, AA. (1981). Reaction of 2-methoxy-1,3-dioxane with grignard reagents: reagent-substrate complexation and stereoelectronic control. *Tetrahedron Letters.* 22: 545-548.
- Bailey, WF; Croteau, AA; Rivera, AD. (1997). The stereochemistry of the Grignard ÅšOrtho ester reaction revisited: Regioselective endocyclic cleavage in the reaction of Grignard reagents with cis-2-methoxy-4-methyl-1,3-dioxane. *Tetrahedron Letters.* 38: 4047-4050.
- Bailey, WF; Lambert, KM; Stempel, ZD; Wiberg, KB; Mercado, BQ. (2016). Controlling the Conformational Energy of a Phenyl Group by Tuning the Strength of a Nonclassical CH center dot center dot center dot O Hydrogen Bond: The Case of 5-Phenyl-1,3-dioxane. *J Org Chem.* 81: 12116-12127.
- Bailey, WF; Lambert, KM; Wiberg, KB; Mercado, BQ. (2015). Effect of Remote Aryl Substituents on the Conformational Equilibria of 2,2-Diaryl-1,3-dioxanes: Importance of Electrostatic Interactions. *J Org Chem.* 80: 4108-4115.

Environmental Hazard Literature Search Results

Off Topic

- Bailey, WF; Zarccone, LMJ. (2002). Regioselective and stereoselective cleavage of cis-4-methyl-2-vinyl-1,3-dioxane by alkyllithiums. *Chirality*. 14: 163-165.
- Bajgai, MP; Parajuli, DC; Ko, JA; Kang, HK; Khil, MS; Kim, HY. (2009). Synthesis, characterization and aqueous dispersion of dextran-g-poly(1,4-dioxan-2-one) copolymers. *Carbohydr Polymer*. 78: 833-840.
- Bajgrowicz, JA; Frank, I. (2001). Camphor-derived amber/woody odorants: 1,7,7-trimethyl-2-iso-propylspiro[bicyclo[2.2.1]heptane-2,4-(1,3-dioxanes)]. *Tetrahedron: Asymmetry*. 12: 2049-2057.
- Bakale, G; McCreary, RD. (1990). Response of the ke test to NCI-screened chemicals: I. Nongenotoxic carcinogens and genotoxic non-carcinogens. *Carcinogenesis*. 11: 1811-1818.
- Baker, R; Boyes, AL; Swain, CJ. (1990). Synthesis of talaromycins A, B, C, and E. *J Chem Soc Perkin Trans I*. 0: 1415-1422.
- Bakshi, MS. (2014). Colloidal micelles of block copolymers as nanoreactors, templates for gold nanoparticles, and vehicles for biomedical applications. *Adv Colloid Interface Sci*. 213: 1-20.
- Balakrishnan, S. (2006). Studies in reactive extrusion processing of biodegradable polymeric materials. PhD, Michigan State University.
- Balasanthiran, V. (2015). Chemistry of Bismuth, Chromium and Magnesium Complexes and Their Applications in the Ring-Opening Polymerization of Cyclic Esters and Epoxides. PhD, The Ohio State University.
- Balasanthiran, V; Chatterjee, C; Chisholm, MH; Harrold, ND; RajanBabu, TV; Warren, GA. (2015). Coupling of Propylene Oxide and Lactide at a Porphyrin Chromium(III) Center. *J Am Chem Soc*. 137: 1786-1789.
- Baleizao, C; Corma, A; Garcia, H; Leyva, A. (2004). Oxime carbapalladacycle covalently anchored to high surface area inorganic supports or polymers as heterogeneous green catalysts for the Suzuki reaction in water. *J Org Chem*. 69: 439-446.
- Balog, M; Grosu, I; Ple, G; Ramondenc, Y; Condamine, E; Varga, RA. (2004). Design and synthesis of new macrocyclic cyclophanes using 1,3-dioxane units as bridges: A molecular "rocking chair". *J Org Chem*. 69: 1337-1345.
- Balt, S; De Bolster, MWG; Van Herk, AM. (1987). Effects of solvent and ionic medium on the kinetics of axial ligand substitution in vitamin B12. Part VII. The reaction between aquanitrocobaloxime and thiourea in dioxane-water mixtures. *Inorganica Chimica Acta*. 137: 167-171.
- Bambalov, NN. (2001). Isolation of lignin preparations from humified materials and their properties. *Eurasian Soil Science*. 34: 484-491.
- Bambalov, NN. (2007). The lignin content in virgin and cultivated peat soils of Belarussian Poles'e. *Eurasian Soil Science*. 40: 1175-1180.
- Bambalov, NN. (2011). Changes in the Elemental Composition of Lignin during Humification. *Eurasian Soil Science*. 44: 1090-1096.
- Bancerz, R; Ginalska, G; Fiedurek, J; Gromada, A. (2005). Cultivation conditions and properties of extracellular crude lipase from the psychrotrophic fungus *Penicillium chrysogenum* 9'. *Journal of Industrial Microbiology & Biotechnology*. 32: 253-260.
- Bandgar, BP; Sadavarte, VS; Uppalla, LS. (2001). An expedient and highly selective iodination of alcohols using a KI/BF₃·Et₂O system. *Tetrahedron Letters*. 42: 951-953.
- Bannore, YC; Chenault, KD; Melouk, HA; El Rassi, Z. (2008). Capillary electrophoresis of some free fatty acids using partially aqueous electrolyte systems and indirect UV detection. Application to the analysis of oleic and linoleic acids in peanut breeding lines. *J Sep Sci*. 31: 2667-2676.
- Barakat, A; Gallois, P; Raynal, M; Mestre-Ortega, D; Sallaud, C; Guiderdoni, E; Delseny, M; Bernardi, G. (2000). The distribution of T-DNA in the genomes of transgenic *Arabidopsis* and rice. *FEBS Letters*. 471: 161-164.
- Barakat, A; Han, DT; Benslimane, A-A; Rode, A; Bernardi, G. (1999). The gene distribution in the genomes of pea, tomato and date palm. *FEBS Letters*. 463: 139-142.
- Barary, MH; Abdel-Hay, MH; Sabry, SM; Belal, TS. (2004). Spectrofluorimetric determination of 2-aminopyridine as a potential impurity in piroxicam and tenoxicam within the pharmacopoeial limit. *J Pharm Biomed Anal*. 34: 221-226.
- Barndáμk, H; Blanco, L; Hermosilla, D; Blanco, Ān. (2016). Heterogeneous photo-Fenton processes using zero valent iron microspheres for the treatment of wastewaters contaminated with 1,4-dioxane. *Chem Eng J*. 284: 112-121.
- Barndáμk, H; Cortijo, L; Hermosilla, D; Negro, C; Blanco, Ān. (2014). Removal of 1,4-dioxane from industrial wastewaters: Routes of decomposition under different operational conditions to determine the ozone oxidation capacity. *J Hazard Mater*. 280: 340-347.
- Barndok, H; Hermosilla, D; Cortijo, L; Torres, E; Blanco, A. (2014). Electrooxidation of industrial wastewater containing 1,4-dioxane in the presence of different salts. *Environ Sci Pollut Res Int*. 21: 5701-5712.
- Barnes, JC. (1969). Studies of some complexes of copper(II) halides with organic donors. *Journal of Inorganic and Nuclear Chemistry*. 31: 95-106.
- Barnes, JC; Duncan, CS. (1973). Metal halide complexes of 1,3-dioxan. *Inorganica Chimica Acta*. 7: 404-408.
- Barnes, JC; Nicoll, GYR. (1985). Crystal structure of nonaqua-samarium(III)bromide-1,4-dioxan adduct (1:3:2), Sm(H₂O)₉·Br₃(C₄H₈O)₂. *Inorganica Chimica Acta*. 110: 47-50.
- Barnett, A; Iorio, LC; Kreutner, W; Tozzi, S; Ahn, HS; Gulbenkian, A. (1984). Evaluation of the CNS properties of SCH 29851, a potential non-sedating antihistamine. *Agents and actions*. 14: 590-597.
- Barnych, B; Vatele, JM. (2012). Exploratory studies toward the synthesis of the peroxy lactone unit of plakortolides. *Tetrahedron*. 68: 3717-3724.
- Barra, Mn; de Rossi, RH. (1988). Erythromycin as a supramolecular receptor. *Tetrahedron Letters*. 29: 1119-1122.
- Barret, O; Papin, C; Lee, H; Morley, TJ; Fowles, K; Holden, D; Seibyl, JP; Alagille, D; Tamagnan, GD; Johnson, EM; Newman, LM; Gabel, BEG; Boerner, TF; Dansky, LA. (2014). AN ANALYSIS OF THE HYDRA ASSAY'S APPLICABILITY AND RELIABILITY AS A DEVELOPMENTAL TOXICITY PRESCREEN. *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*. 55: 858-864.
- Barret, O; Papin, C; Lee, H; Morley, TJ; Fowles, K; Holden, D; Seibyl, JP; Alagille, D; Tamagnan, GD; Rosenkranz, HS; Klopman, G. (2014). Structural basis of carcinogenicity in rodents of genotoxicants and non-genotoxicants. *Nucl Med Biol*. 41: 432-439.
- Barros, MT; Burke, AJ; Maycock, CD. (1999). The alkylation of a novel acetal derived from (2R,3R)-(+)-tartaric acid: An unexpected rearrangement. *Tetrahedron Letters*. 40: 1583-1586.

Environmental Hazard Literature Search Results

Off Topic

- Barros, MT; Maycock, CD; Fañsca Phillips, AM. (2005). Novel chiral bis(oxazolines): synthesis and application as ligands in the copper-catalyzed enantioselective conjugate addition of diethylzinc to enones. *Tetrahedron: Asymmetry*. 16: 2946-2953.
- Bart³k, MI; Felf³Idi, Kr; Bart³k, GB. (1991). Transformation of organic compounds in the presence of metal complexes: VI. Reactions of cyclic acetals with alcohols in the presence of RuCl₂(PPh₃)₂. *Journal of Organometallic Chemistry*. 415: 127-131.
- Bartels, A; Jones, PG; Liebscher, J. (1998). Stereoselective diazoalkane cycloadditions to chiral 5-alkylidene-1,3-dioxan-4-ones and 3-benzylidene-beta-lactones. *Synthesis-Stuttgart* 1645-1654.
- Bartels, A; Jones, PG; Liebscher, Jr. (1997). Stereoselective synthesis of 4-substituted cis-3-(\pm -hydroxyethyl)-pyrrolidine-2-ones. *Tetrahedron: Asymmetry*. 8: 1545-1549.
- Bartels, A; Liebscher, Jr. (1994). Enantioselective synthesis of hydroxyalkylcyclopropanecarboxylic acid derivatives. *Tetrahedron: Asymmetry*. 5: 1451-1452.
- Bartelts, A; Jones, PG; Liebscher, Jr. (1995). Enantioselective synthesis of hydroxyethylloxiranecarboxylic acid derivatives by epoxidation of 5-ylidene-1,3-dioxane-4-ones. *Tetrahedron: Asymmetry*. 6: 1539-1542.
- Barth, M; Capelle, HH; Mⁿch, D-DoNfCMotK-R-UoHUHMMG; Thom³š, C; Fiedler, F; Schmiedek, P; Vajkoczy, P. (2007). Effects of the selective endothelin A (ET(A)) receptor antagonist Clazosentan on cerebral perfusion and cerebral oxygenation following severe subarachnoid hemorrhage - preliminary results from a randomized clinical series. *Acta neurochirurgica*. 149: 911-918; discussion 918.
- Bartik, K; Luhmer, M; Collet, A; Reisse, J. (2001). Molecular polarization and molecular chiralization: The first example of a chiralized xenon atom. *Chirality*. 13: 2-6.
- Bartolomea, JM; Alcazar, J; Andres, JI; De Bruyn, M; Fernandez, J; Matesanz, E; Van Emelen, K. (2003). Novel analogues of 3-substituted-2,3-dihydro-1,4-dioxino 2,3-b pyridines: modifications in the dioxane ring. *Tetrahedron Letters*. 44: 8545-8548.
- Bartsch, RA; Chae, YM; Ham, S; Birney, DM. (2001). Experimental and theoretical studies on the thermal decomposition of heterocyclic nitrosimines. *J Am Chem Soc*. 123: 7479-7486.
- Bashouti, MY; Tung, RT; Haick, H. (2009). Tuning the electrical properties of Si nanowire field-effect transistors by molecular engineering. *Small (Weinheim an der Bergstrasse, Germany)*. 5: 2761-2769.
- Bat, E; Feijen, J; Grijpma, DW. (2010). Biodegradable elastomeric networks: highly efficient cross-linking of poly(trimethylene carbonate) by gamma irradiation in the presence of pentaerythritol triacrylate. *Biomacromolecules*. 11: 2692-2699.
- Batandier, C; Taillandier, G; Boucherle, A; Walrant, P. (1986). Derivatives of 3-hydroxy acids: 4-oxo-1,3-dioxanes and 2-oxetanones. *Die Pharmazie*. 41: 632-634.
- Bates, RW; Lu, YN; Cai, MP. (2009). Ring opening of cyclic N,O-acetals with allyltrimethylsilane under Lewis acidic conditions. *Tetrahedron*. 65: 7852-7858.
- Batheja, R; Singh, AK. (1997). Hybrid (Te, O) ligands 2-(phenyltelluromethyl)tetrahydro-2H-pyran (L1) and 2-(2-(4-methoxyphenyl) telluorethyl)-1,3-dioxane (L2), and their palladium(II) and platinum(II) complexes. *Polyhedron*. 16: 2509-2516.
- Batovska, DI; Tsubota, S; Kato, Y; Asano, Y; Ubukata, M. (2004). Lipase-mediated desymmetrization of glycerol with aromatic and aliphatic anhydrides. *Tetrahedron: Asymmetry*. 15: 3551-3559.
- Battisti, UM; Sorbi, C; Franchini, S; Tait, A; Brasili, L. (2014). Transacetalization of Acetals with Butane-1,2,4-triol Using Cobalt(II) Chloride and Chlorotrimethylsilane. *Synthesis-Stuttgart*. 46: 943-946.
- Baudoux, J; Judeinstein, P; Cahard, D; Plaquevent, JC. (2005). Design and synthesis of novel ionic liquid/liquid crystals (IL (2)Cs) with axial chirality. *Tetrahedron Letters*. 46: 1137-1140.
- Bauer, LN. (1936). I. THE SYNTHESIS AND REACTIONS OF PARA-DIOXANE. II. THE USE OF ZINC-CHLORIDE AND CADMIUM-CHLORIDE IN THE GRIGNARD SYNTHESIS OF 2,3-DIALKYL-1,4-DIOXANES. PhD, Northwestern University.
- Baumann, U; Benz, M. (1998). Einfache Versuchsanordnung zur Gewinnung gewaesserokologisch relevanter daten. *Umweltwissenschaften und Schadstoff-Forschung*. 10: 214-220.
- Baumberger, S; Aguié-Beghin, V; Douillard, R; Lapierre, C; Monties, B. Properties of grass lignin layers at the air-water interface. *Ind Crop Prod*. Aug 1997. v. 6 (3/4): 259-263.
- Bazinet, P; Yap, GPA; Richeson, DS. (2001). Synthesis and properties of a germanium(II) metalloheterocycle derived from 1,8-di(isopropylamino)naphthalene. A novel ligand leading to formation of Ni{Ge ((PrN)-Pr-i)(2)C10H6 }₄. *J Am Chem Soc*. 123: 11162-11167.
- Beamish, JC; Boardman, A; Worrall, IJ. (1991). Neutral complexes of gallium di-iodide containing Ga³⁺Ga bonds. *Polyhedron*. 10: 95-99.
- Beani, L; Tanganelli, S; Antonelli, T; Simonato, M; Spalluto, P; Tomasini, C; Bianchi, C. (1989). Changes in cortical acetylcholine and gamma-aminobutyric acid outflow during morphine withdrawal involve alpha-1 and alpha-2 receptors. *The Journal of pharmacology and experimental therapeutics*. 250: 682-687.
- Becht, JM; Le Drian, C. (2011). Formation of Carbon-Sulfur and Carbon-Selenium Bonds by Palladium-Catalyzed Decarboxylative Cross-Couplings of Hindered 2,6-Dialkoxybenzoic Acids. *J Org Chem*. 76: 6327-6330.
- Bechtold, MM; Gee, DL; Bruenner, U; Tappel, AL. (1982). Carbon Tetrachloride-Mediated Expiration of Pentane and Chloroform by the Intact Rat: The Effects of Pretreatment With Diethyl Maleate, SKF-525A and Phenobarbital. *Toxicol Lett*. 11: 165-171.
- Becker, W; Eller, GA; Holzer, W. (2005). A simple synthesis of 6-phenylpyrano 2,3-c pyrazol-4(1H)-ones. *Synthesis-Stuttgart* 2583-2589.
- Beckett, MA. (2001). Sonochemistry and sonoluminescence at discrete ultrasonic frequencies. PhD, Purdue University.
- Beckett, MA; Hua, I. (2000). Elucidation of the 1,4-dioxane decomposition pathway at discrete ultrasonic frequencies. *Environmental Science & Technology*. 34: 3944-3953.
- Beckett, MA; Hua, I. (2003). Enhanced sonochemical decomposition of 1,4-dioxane by ferrous iron. *Water Res*. 37: 2372-2376.

Environmental Hazard Literature Search Results

Off Topic

- Bedini, E; Carabellese, A; Schiattarella, M; Parrilli, M. (2005). First synthesis of an alpha-D-Fucp3NAc containing oligosaccharide: a study on D-Fucp3NAc glycosylation. *Tetrahedron*. 61: 5439-5448.
- Bednarczyk-Cwynar, B; Zaprutko, L; Marciniak, J; Lewandowski, G; Szulc, M; Kaminska, E; Wachowiak, N; Mikolajczak, PL. (2012). The analgesic and anti-inflammatory effect of new oleanolic acid acyloxyimino derivative. *Eur J Pharm Sci*. 47: 549-555.
- Begouin, A; Queiroz, M. (2011). Tandem Palladium/Charcoal-Copper(I) Iodide (Pd/C-CuI) Catalyzed Sonogashira Coupling and Intramolecular Cyclization from 2-Bromonicotinic Acid (=2-Bromopyridine-3-carboxylic Acid) and Ethynylarenes to 4-Azaphthalides (=Furo 3,4-b pyridin-5(7H)-ones) and 5-Azaisocoumarins (=5H-Pyrano 4,3-b pyridin-5-ones). *Helvetica Chimica Acta*. 94: 1792-1801.
- Behmer, DE. (1966). I. ELEMENTARY ANALYSIS AND METHOXYL CONTENT OF PLANT LIGNINS AND SOIL HUMIC ACID AND DIOXANE EXTRACTS. II. LIQUID PHASE ADSORPTION OF HERBICIDE(CIPC) ON CLAYS ISOLATED FROM A HUMIC GLEY SOIL. PhD, The University of Wisconsin - Madison.
- Beinborn, NA; Lirola, HL; Williams, RO. (2012). Effect of process variables on morphology and aerodynamic properties of voriconazole formulations produced by thin film freezing. *Int J Pharm*. 429: 46-57.
- Bekhit, AA; Fahmy, HTY. (2003). Design and synthesis of some substituted 1H-pyrazolyl-oxazolines or 1H-pyrazolyl-thiazolidines as anti-inflammatory-antimicrobial agents. *Arch Pharm (Weinheim)*. 336: 111-118.
- Beletskaya, IP; Latyshev, GV; Tsvetkov, AV; Lukashev, NV. (2003). The nickel-catalyzed Sonogashira-Hagihara reaction. *Tetrahedron Letters*. 44: 5011-5013.
- Belmar, J. (2012). Total syntheses of (±)-isophelliline and (±)-communesin F, and design, synthesis and pharmacological evaluation of dihydro-β-erythroidine (DH^βE) analogs. PhD, The Pennsylvania State University.
- Belyi, VA; Kocheva, LS; Karmanov, AP; Bogolitsyn, KG. (2010). Acid-base properties of lignins from the medicinal plants roseroot stonecrop *Rhodiola rosea* and saw-wort *Serratula coronata*. *Russian Journal of Bioorganic Chemistry*. 36: 829-834.
- Bencsics, A; Elenkov, IJ; Vizi, ES. (1995). alpha 2-, alpha 2A-, alpha 2B/2C-Adrenoceptor subtype antagonists prevent lipopolysaccharide-induced fever response in rabbits. *Brain Res*. 705: 302-306.
- Benigni, R. (1990). Rodent tumor profiles, Salmonella mutagenicity and risk assessment. *Mutat Res*. 244: 79-92.
- Benkirane, S; Arbilla, S; Langer, SZ. (1986). Newly synthesized noradrenaline mediates the alpha 2-adrenoceptor inhibition of [3H]5-hydroxytryptamine release induced by beta-phenylethylamine in rat hippocampal slices. *Eur J Pharmacol*. 131: 189-198.
- Ben-Shabat, S; Domb, AJ. (2006). Synthesis of pendent carbonate ester groups onto aliphatic polycarbonates. *J Bioact Compat Polymer*. 21: 385-397.
- Bentley, MD; Roberts, MJ; Harris, JM. (1998). Reductive amination using poly(ethylene glycol) acetaldehyde hydrate generated in situ: Applications to chitosan and lysozyme. *J Pharm Sci*. 87: 1446-1449.
- Bergeson, LL. (2013). 2013 Chemical Assessment List Released. *Pollution Engineering*. 45: 16.
- Berkessel, A; Adrio, JA. (2006). Dramatic acceleration of olefin epoxidation in fluorinated alcohols: Activation of hydrogen peroxide by multiple H-bond networks. *J Am Chem Soc*. 128: 13412-13420.
- Bernabe-Zafon, V; Ortega-Gadea, S; Simo-Alfonso, EF; Ramis-Ramos, G. (2003). Characterization and quantitation of mixtures of alkyl ether sulfates and carboxylic acids by capillary electrophoresis with indirect photometric detection. *Electrophoresis*. 24: 2805-2813.
- Bernhardt, D; Diekmann, H. (1991). Degradation of dioxane, tetrahydrofuran and other cyclic ethers by an environmental *Rhodococcus* strain. *Appl Microbiol Biotechnol*. 3.
- Berridge, CW; Dunn, AJ. (1990). DSP-4-induced depletion of brain norepinephrine produces opposite effects on exploratory behavior 3 and 14 days after treatment. *Psychopharmacology*. 100: 504-508.
- Berthold, H; Fozard, JR; Engel, G. (1989). 5-HT₁ receptor agonists attenuate the naloxone-induced jumping behaviour in morphine-dependent mice. *Eur J Pharmacol*. 162: 19-27.
- Bettahalli, NMS; Steg, H; Wessling, M; Stamatialis, D. (2011). Development of poly(L-lactic acid) hollow fiber membranes for artificial vasculature in tissue engineering scaffolds. *J Memb Sci*. 371: 117-126.
- Betz, MW; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2009). Tissue response and orbital floor regeneration using cyclic acetal hydrogels. *Journal of Biomedical Materials Research Part A*. 90A: 819-829.
- Betz, MW; Modi, PC; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2008). Cyclic acetal hydrogel system for bone marrow stromal cell encapsulation and osteodifferentiation. *Journal of Biomedical Materials Research Part A*. 86A: 662-670.
- Beyeh, NK; Pan, F; Rissanen, K. (2015). A Halogen-Bonded Dimeric Resorcinarene Capsule. *Angewandte Chemie-International Edition*. 54: 7303-7307.
- Bezwada, RS; Jamiolkowski, DD; Lee, IY; Agarwal, V; Persivale, J; Trenka-Benthin, S; Erneta, M; Suryadevara, J; Yang, A; Liu, S. (1995). Monocryl suture, a new ultra-pliable absorbable monofilament suture. *Biomaterials*. 16: 1141-1148.
- Bhat, NG; Carroll, MB; Lai, WC. (2005). A simple synthesis of B-2-(1-trimethylgermyl-1-alkyl)-1,3,2-dioxaborinanes. Isolation and selective oxidation to 1-trimethylgermyl-1-alkanols. *Tetrahedron Letters*. 46: 5647-5649.
- Bhat, NG; Villanueva, MA. (2006). Facile hydroboration of (Z)-1-trimethylsilyl-1-alkenes with dichloroborane-dioxane complex: An easy access to gem-dimetalloalkanes containing boron and silicon. *Journal of Organometallic Chemistry*. 691: 1298-1300.
- Bhati, RS; Mukherjee, DP; McCarthy, KJ; Rogers, SH; Smith, DF; Shalaby, SW. (2001). The growth of chondrocytes into a fibronectin-coated biodegradable scaffold. *J Biomed Mater Res*. 56: 74-82.
- Bhatt, MV; Narayanankutty, N. (1972). Quinone Studies-II : Reduction potentials of some 3-substituted phenanthrene quinones. *Tetrahedron*. 28: 4325-4331.
- Bhattacharya, S; Banerjee, S; Banerjee, M. (2005). Study of charge transfer complexes of [70]fullerene with phenol and substituted phenols. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 61: 2065-2071.

Environmental Hazard Literature Search Results

Off Topic

- Bhuwalka, A; Mike, JF; Intemann, JJ; Ellern, A; Jeffries-El, M. (2015). A versatile and efficient synthesis of bithiophene-based dicarboxaldehydes from a common synthon. *Organic & Biomolecular Chemistry*. 13: 9462-9470.
- Bi, W; Bi, Y; Xue, P; Zhang, YR; Gao, XA; Wang, ZB; Li, M; Baudy-Floc'h, M; Ngerebara, N; Gibson, KM; Bi, LR. (2010). Synthesis and Characterization of Novel Indole Derivatives Reveal Improved Therapeutic Agents for Treatment of Ischemia/Reperfusion (I/R) Injury. *J Med Chem*. 53: 6763-6767.
- Bian, J; Peng, F; Xu, F; Sun, RC; Kennedy, JF. (2010). Fractional isolation and structural characterization of hemicelluloses from *Caragana korshinskii*. *Carbohydr Polymer*. 80: 753-760.
- Bianchi, EM; Griesser, R; Sigel, H. (2005). Influence of decreasing solvent polarity (1,4-dioxane/water mixtures) on the acid-base and copper(II)-binding properties of guanosine 5'-diphosphate. *Helvetica Chimica Acta*. 88: 406-425.
- Bianchi, G. (1991). Antidiuretic effect of bremazocine and U-50,488 in rats after alpha 2-adrenoceptor blockade. *The Journal of pharmacy and pharmacology*. 43: 212-216.
- Bidmanova, S; Hrdlickova, E; Jaros, J; Ilkovic, L; Hampl, A; Damborsky, J; Prokop, Z. (2014). Microscopic monitoring provides information on structure and properties during biocatalyst immobilization. *Biotechnol J*. 9: 852-860.
- Bielen, A; Cetkovic, H; Long, PF; Schwab, H; Abramic, M; Vujaklija, D. (2009). The SGNH-hydrolase of *Streptomyces coelicolor* has (aryl)esterase and a true lipase activity. *Biochimie*. 91: 390-400.
- Bigelow, CC; Krenitsky, TA. (1964). The influence of ionic strength and organic solvents on acid transitions of proteins. *Biochimica et Biophysica Acta (BBA) - Specialized Section on Biophysical Subjects*. 88: 130-141.
- Bilal, C; Sevim, AM; GÃ¼l, A. (2016). Synthesis and characterization of a novel alkoxy substituted gold(III) phthalocyanine. *Inorganic Chemistry Communications*. 69: 10-12.
- Bilcer, GM. (2002). Synthesis of (+)-boronolide, (+)-sesbanimide A, and design and synthesis of inhibitors of memapsin 2. PhD, University of Illinois at Chicago.
- Bingham, S; King, BF; Rushant, B; Smith, MI; Gaster, L; Sanger, GJ. (1995). Antagonism by SB 204070 of 5-HT-evoked contractions in the dog stomach: an in-vivo model of 5-HT4 receptor function. *The Journal of pharmacy and pharmacology*. 47: 219-222.
- Birch, J; Brown, E; Calnan, C; Jessup, CL; Jessup, R; Wayne, M. (2010). Studies in the guinea-pig with ICI 185,282: a thromboxane A2 receptor antagonist. *Contact Derm*. 40: 706-710.
- Birge, J; Black, A; Kuehne, A. (1980). Effects of Organic Compounds on Amphibian Reproduction. Available from the National Technical Information Service, Springfield VA 22161 as PB80-147523, Price codes: A03 in paper copy, A01 in microfiche Research Report No 121, 1980 45 p, 3 Fig, 5 Tab, 44 Ref OWRT A-074-KY(2), 14-34-0001-7038.
- Birge, WJ; Black, JA; Ramey, BA. (1981). Reproductive Toxicology of Aquatic Contaminants. Hazard Assessment of Chemicals: Current Developments Vol 1, Academic Press, New York 1981 p 59-115, 7 fig, 7 tab, 196 ref Contract No AEN 74-00768 A01.
- Bitha, P; Carvajal, SG; Citarella, RV; Delos, SEF; Durr, FE; Hlavka, JJ; Lang, SA, Jr.; Lindsay, HL; Thomas, JP; Wallace, RE. (1989). A new family of water-soluble, third generation antitumor platinum complexes. *J Med Chem*. 32: 2063-2067.
- Bittar, EE; Chambers, G. (1985). The modulatory action of 5-hydroxytryptamine on sodium efflux: the barnacle muscle fibre as a model system. *Comparative biochemistry and physiology C, Comparative pharmacology and toxicology*. 80: 421-429.
- Bjerre, A. (1981). Mathematical Modelling in the Hazard Assessment of Substances Forming Toxic Decomposition Products. The Example of Carbon Tetrachloride. *ANNALS OCCUP HYG*. 24: 175-183.
- Blendy, JA; Grimm, LJ; Perry, DC; West-Johnsrud, L; Kellar, KJ. (1990). Electroconvulsive shock differentially increases binding to alpha-1 adrenergic receptor subtypes in discrete regions of rat brain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*. 10: 2580-2586.
- Blume, A. (1979). The influence of dioxan on the bilayer and monolayer phase transition of phospholipids. *Biophysical Chemistry*. 10: 371-378.
- Blunden, BM; Lu, HX; Stenzel, MH. (2013). Enhanced Delivery of the RAPT-A Macromolecular Chemotherapeutic by Conjugation to Degradable Polymeric Micelles. *Biomacromolecules*. 14: 4177-4188.
- Bock, H; Dienelt, Rd; SchÃ¶del, H; Havlas, Z. (1995). Crystallization and structure of hexameric aci-9-nitrofluorene-potassium containing a lipophilically wrapped polyion aggregate [$\text{K}^+ \cdot 6(\text{O}12)\text{a}^{\text{S}}-6$] 1,2. *Tetrahedron Letters*. 36: 7855-7858.
- Bogaczyk, S; Brescia, MR; Shimshock, YC; DeShong, P. (2001). A highly stereoselective approach to the synthesis of functionalized pyran derivatives by Lewis acid assisted ketal reduction and allylation. *J Org Chem*. 66: 4352-4355.
- Bogdan, E; Hadade, ND; Terec, A; Grosu, I. (2016). The 1,3-dioxane motif-a useful tool in monitoring molecular and supramolecular architectures. *Tetrahedron Letters*. 57: 2683-2691.
- Bogdanova, A; Popik, VV. (2003). Experimental and theoretical investigation of reversible interconversion, thermal reactions, and wavelength-dependent photochemistry of diazo Meldrum's acid and its diazirine isomer, 6,6-dimethyl-5,7-dioxo-1,2-diaza-spiro 2,5 oct-1-ene-4,8-dione. *J Am Chem Soc*. 125: 14153-14162.
- Bogolitsyn, KG; Guskova, MA; Khviyuzov, SS; Zubov, IN. (2014). Physicochemical Properties of Conifer Lignins Using *Juniperus communis* as an Example. *Chemistry of Natural Compounds*. 50: 337-341.
- Boiko, VN; Filatov, AA; Yagupolskii, YL; Tyrra, W; Naumann, D; Pantenburg, I; Fischer, HTM; Schulz, F. (2011). A convenient synthetic route to 2,4,6-tris(chlorosulfonyl)- and 2,4,6-tris(fluorosulfonyl)phenol, aniline and chlorobenzene. *Journal of Fluorine Chemistry*. 132: 1219-1226.
- Bokhari, SA; Afzal, AJ; Rashid, MH; Rajoka, MI; Siddiqui, KS. (2002). Coupling of surface carboxyls of carboxymethylcellulose with aniline via chemical modification: Extreme thermostabilization in aqueous and water-miscible organic mixtures. *Biotechnol Prog*. 18: 276-281.

Environmental Hazard Literature Search Results

Off Topic

- Bolchi, C; Bavo, F; Gotti, C; Fumagalli, L; Fasoli, F; Binda, M; Mucchietto, V; Sciacaluga, M; Plutino, S; Fucile, S; Pallavicini, M. (2017). From pyrrolidinyl-benzodioxane to pyrrolidinyl-pyridodioxanes, or from unselective antagonism to selective partial agonism at alpha 4 beta 2 nicotinic acetylcholine receptor. *Eur J Med Chem.* 125: 1132-1144.
- Bolchi, C; Catalano, P; Fumagalli, L; Fasoli, F; Binda, M; Mucchietto, V; Sciacaluga, M; Plutino, S; Fucile, S; Pallavicini, M. (2004). Structure-affinity studies for a novel series of homochiral naphtho and tetrahydronaphtho analogues of alpha 1 antagonist WB-4101. *Bioorganic & medicinal chemistry.* 12: 4937-4951.
- Bolchi, C; Gotti, C; Binda, M; Fumagalli, L; Pucci, L; Pistillo, F; Vistoli, G; Valoti, E; Pallavicini, M. (2011). Unichiral 2-(2'-pyrrolidinyl)-1,4-benzodioxanes: the 2R,2'S diastereomer of the N-methyl-7-hydroxy analogue is a potent alpha4&beta2- and alpha6&beta2-nicotinic acetylcholine receptor partial agonist. *J Med Chem.* 54: 7588-7601.
- Bolchi, C; Pallavicini, M; Fumagalli, L; Ferri, N; Corsini, A; Rusconi, C; Valoti, E. (2009). New Ras CAAX mimetics: Design, synthesis, antiproliferative activity, and RAS prenylation inhibition. *Bioorganic & Medicinal Chemistry Letters.* 19: 5500-5504.
- Bolchi, C; Valoti, E; Gotti, C; Fasoli, F; Ruggeri, P; Fumagalli, L; Binda, M; Mucchietto, V; Sciacaluga, M; Budriesi, R; Fucile, S; Pallavicini, M. (2015). Chemistry and Pharmacology of a Series of Unichiral Analogues of 2-(2-Pyrrolidinyl)-1,4-benzodioxane, Prolinol Phenyl Ether, and Prolinol 3-Pyridyl Ether Designed as alpha 4 beta 2-Nicotinic Acetylcholine Receptor Agonists. *J Med Chem.* 58: 6665-6677.
- Bolla, K; Kim, T; Song, JH; Lee, S; Ham, J. (2011). Efficient and rapid synthesis of regioselective functionalized potassium 1,2,3-triazoletrifluoroborates via 1,3-dipolar cycloaddition. *Tetrahedron.* 67: 5556-5563.
- Bolliger, JL; Frech, CM. (2009). Transition metal-free amination of aryl halides-A simple and reliable method for the efficient and high-yielding synthesis of N-arylated amines. *Tetrahedron.* 65: 1180-1187.
- Bommegowda, YK; Lingaraju, GS; Thamas, S; Kumar, KSV; Kumara, CSP; Rangappa, KS; Sadashiva, MP. (2013). Weinreb amide as an efficient reagent in the one pot synthesis of benzimidazoles and benzothiazoles. *Tetrahedron Letters.* 54: 2693-2695.
- Bonaga, LVR; Zhang, HC; Moretto, AF; Ye, H; Gauthier, DA; Li, J; Leo, GC; Maryanoff, BE. (2005). Synthesis of macrocycles via cobalt-mediated 2+2 cycloadditions. *J Am Chem Soc.* 127: 3473-3485.
- Bonanca, P; Vaya, J; ICCDloCTUPUPolita cdV; eg, Vala nVS; Climent, MJ; Gustavsson, T; Markovitsi, D; Jimenez, MC; Miranda, MA. (2012). Excited-state interactions in diastereomeric flurbiprofen-thymine dyads. *The journal of physical chemistry A.* 116: 8807-8814.
- Bonifazi, A; Del Bello, F; Mammoli, V; Piergentili, A; Petrelli, R; Cimarelli, C; Pellei, M; Schepmann, D; Wunsch, B; Barocelli, E; Bertoni, S; Flammini, L; Amantini, C; Nabissi, M; Santoni, G; Vistoli, G; Quaglia, W. (2015). Novel Potent N-Methyl-D-aspartate (NMDA) Receptor Antagonists or sigma(1) Receptor Ligands Based on Properly Substituted 1,4-Dioxane Ring. *J Med Chem.* 58: 8601-8615.
- Bonte, S; Ghinea, IO; Baussanne, I; Xuereb, JP; Dinica, R; Demeunynck, M. (2013). Investigation of the lipase-catalysed reaction of aliphatic amines with ethyl propiolate as a route to N-substituted propiolamides. *Tetrahedron.* 69: 5495-5500.
- Borah, HN; Deb, ML; Boruah, RC; Bhuyan, PJ. (2005). Stereoselective intramolecular hetero Diels-Alder reactions of 1-oxa-1,3-butadienes: synthesis of novel annelated pyrrolo 1,2-a indoles. *Tetrahedron Letters.* 46: 3391-3393.
- Borbas, A; Szabo, ZB; Szilagy, L; Benyei, A; Liptak, A. (2002). Dioxane-type (2-naphthyl)methylene acetals of glycosides and their hydrogenolytic transformation into 6-O- and 4-O-(2-naphthyl)methyl (NAP) ethers. *Tetrahedron.* 58: 5723-5732.
- Boreen, MA; Parker, BF; Lohrey, TD; Arnold, J. (2016). A Homoleptic Uranium(III) Tris(aryl) Complex. *J Am Chem Soc.* 138: 15865-15868.
- Borges, ML; Latterini, L; Elisei, F; Silva, PF; Borges, R; Becker, RS; Macanita, AL. (1998). Photophysical properties and photobiological activity of the furanochromones visnagin and khellin. *Photochem Photobiol.* 67: 184-191.
- Borisover, MD; Graber, ER. (1998). Organic compound sorption enthalpy and sorption mechanisms in soil organic matter. *J Environ Qual.* 27: 312-317.
- Bork, JT; Lee, JW; Chang, YT. (2003). Palladium-catalyzed cross-coupling reaction of resin-bound chlorotriazines. *Tetrahedron Letters.* 44: 6141-6144.
- Boross, L; Kosary, J; Stefanovits-Banyai, A; Sisak, C; Szajani, B; A. Ballesteros, FJPJLI; Halling, PJ. (1998). Studies on the stability of aminoacylase in some organic solvents. *Progress in Biotechnology* 477-482.
- Boross, L; Kosary, J; Stefanovits-Banyai, E; Sisak, C; Szajani, B. (1998). Studies on kinetic parameters and stability of aminoacylase in non-conventional media. *J Biotechnol.* 66: 69-73.
- Bosch, E; Fonrodona, G; Rafols, C; Rosas, M. (1997). Autoprotolysis in aqueous organic solvent mixtures. Water/dipolar protophilic solvent binary systems. *Anal Chim Acta.* 349: 367-376.
- Botti, B; Moslen, MT; Trieff, NM; Reynolds, ES. (1982). Transient decrease of liver cytosolic glutathione S-transferase activities in rats given 1,2-dibromoethane or CCl sub(4). *Chem Biol Interact.* 42: 259-270.
- Bottini, AT; Christensen, JE. (1974). Solvolysis of allenylcarbinyl chloride and its cyclopropanated homologs. *Tetrahedron.* 30: 393-399.
- Bou, A; Pericas, MA; Serratos, FI. (1981). Diisopropoxy- and di-tert-butoxyethylene : Stable acetylene diethers. *Tetrahedron.* 37: 1441-1449.
- Boulat, O; Waldmeier, P; Maitre, L. (1990). 3,4-Dihydroxyphenylacetic acid (DOPAC) as an index of noradrenaline turnover: effects of Hydergine and vincamine. *Journal of neural transmission General section.* 82: 181-195.
- Box, KJ; Volgyi, G; Ruiz, R; Comer, JE; Takacs-Novak, K; Bosch, E; Rafols, C; Roses, M. (2007). Physicochemical properties of a new multicomponent cosolvent system for the pK(a) determination of poorly soluble pharmaceutical compounds. *Helvetica Chimica Acta.* 90: 1538-1553.
- Boyajian, CL; Leslie, FM. (1987). Pharmacological evidence for alpha-2 adrenoceptor heterogeneity: differential binding properties of [3H]rauwolscine and [3H]idazoxan in rat brain. *The Journal of pharmacology and experimental therapeutics.* 241: 1092-1098.
- Boyajian, CL; Loughlin, SE; Leslie, FM. (1987). Anatomical evidence for alpha-2 adrenoceptor heterogeneity: differential autoradiographic distributions of [3H]rauwolscine and [3H]idazoxan in rat brain. *The Journal of pharmacology and experimental therapeutics.* 241: 1079-1091.

Environmental Hazard Literature Search Results

Off Topic

- Bozell, JJ; Tice, NC; Sanyal, N; Thompson, D; Kim, JM; Vidal, S. (2008). Synthesis and Self-Assembly of Glycal-Based Bolaforms. *J Org Chem.* 73: 8763-8771.
- Brånje; Kaulen, P; Baumgarten, HG. (1987). Quantitative autoradiographic localization of alpha 2-antagonist binding sites in rat brain using [3H]idazoxan. *Neurosci Lett.* 83: 333-337.
- Brabec, MJ; Owens, JB; Kenel, M; Sorscher, D; Cornish, HH. (1982). Modification of Methanol Potentiation of CCl₄ Toxicity in Rats by Chloramphenicol and Salicylate. *Drug and Chemical Toxicology.* 5: 143-154.
- Brachet, E; Peyrat, JF; Brion, JD; Messaoudi, S; Alami, M. (2013). A palladium-catalyzed coupling of 3-chloroquinoxalinones with various nitrogen-containing nucleophiles. *Organic & Biomolecular Chemistry.* 11: 3808-3816.
- Bradlaw, JA; Garthoff, LH; Hurley, NE; Firestone, D. (1980). Comparative induction of aryl hydrocarbon hydroxylase activity in vitro by analogues of dibenzo-p-dioxin. *Food Cosmet Toxicol.* 18: 627-635.
- Braekman, JC; Dalozze, D; De, GS; Fernandes, JB; Van, SRW. (1998). New polyketides from the sponge *Plakortis* sp. *J Nat Prod.* 61: 1038-1042.
- Brala, CJ; Pilepic, V; Sajenko, I; Karkovic, A; Ursic, S. (2011). Ions Can Move a Proton-Coupled Electron-Transfer Reaction into Tunneling Regime. *Helvetica Chimica Acta.* 94: 1718-1731.
- Branch, CA; Knuepfer, MM. (1992). Adrenergic mechanisms underlying cardiac and vascular responses to cocaine in conscious rats. *The Journal of pharmacology and experimental therapeutics.* 263: 742-751.
- Brandao, JC; Bohets, HHL; Van de Vyver, IE; Dierickx, PJ. (1992). Correlation between the in vitro cytotoxicity to cultured fathead minnow fish cells and fish lethality data for 50 chemicals. *Chemosphere.* 25: 553-562.
- Branson; Neely, WB; Blau, GE. (1975). Predicting a Bioconcentration Potential of Organic Chemicals in Fish from Partition Coefficients. *International Joint Commission Symposium on ' Structure-Activity Correlations in Studies of Toxicity and Bioconcentration with Aquatic Organisms ' March 11-13, 1975, Canada Center for Inland Waters, Burlington, Ontario, p 99-118 2 fig, 5 tab, 13 ref.*
- Brasch, H. (1991). No influence of prejunctional alpha 2-adrenoceptors on the effects of nicotine and tyramine in guinea-pig atria. *Journal of autonomic pharmacology.* 11: 37-44.
- Brattacharya, PK; Ullah, MR; Khalil, RA; Kitchen, SJ; Fenton, DE. (1990). The solution stability of binary and ternary complexes involving oxazamacrocyclic ligands. *Polyhedron.* 9: 2239-2243.
- Braun, M; Spieker, B; Hahn, A; Vill, V. (2002). Synthesis and liquid crystalline properties of 5-alkyl-1,4-dioxane-2-carboxylic esters. *Synthesis-Stuttgart* 2129-2137.
- Braun, R; Schuster, F; Sauer, J. (1986). (4+2)-cycloadditionen in Micellen: Ein vergleich des produktspektrums und der reaktionsgeschwindigkeit mit reaktionen in Lösung. *Tetrahedron Letters.* 27: 1285-1288.
- Braun, WH; Waechter, JM, Jr. (1983). Sources of uncertainty in pharmacokinetic prediction. *Journal of animal science.* 56: 235-243.
- Brecker, L. (2003). Nuclear magnetic resonance of lipid A - the influence of solvents on spin relaxation and spectral quality. *Chem Phys Lipids.* 125: 27-39.
- Breuilles, P; Oddon, G; Uguen, D. (1997). Toward a total synthesis of an aglycone of spiramycin; a chiron approach to the C-1/C-4 and the C-13/C-15 fragments. *Tetrahedron Letters.* 38: 6607-6610.
- Brewster, AG; Leach, A. (1986). 6- vs 7- Ring selectivity during acetal formation. *Tetrahedron Letters.* 27: 2539-2542.
- Briejer, MR; Schuurkes, JA. (1996). 5-HT₃ and 5-HT₄ receptors and cholinergic and tachykininergic neurotransmission in the guinea-pig proximal colon. *Eur J Pharmacol.* 308: 173-180.
- Brinner, KM; Ellman, JA. (2005). A rapid and general method for the asymmetric synthesis of 2-substituted pyrrolidines using tert-butanesulfinamide. *Organic & Biomolecular Chemistry.* 3: 2109-2113.
- Briz, V; Hsu, YT; Li, Y; Lee, E; Bi, X; Baudry, M. (2013). Calpain-2-mediated PTEN degradation contributes to BDNF-induced stimulation of dendritic protein synthesis. *The Journal of neuroscience : the official journal of the Society for Neuroscience.* 33: 4317-4328.
- Brown, AL. (1980). ANTHRACYCLINE ANTIBIOTICS SYNTHETIC STUDIES. PhD, The University of Wisconsin - Madison.
- Brown, GR; Foubister, AJ. (1992). Synthesis of 4-substituted hex-4-enoic and hept-5-enoic acid derivatives of 3,4-dihydro-1H-pyrano[3,4-b] benzofuran as analogues of the 1,3-dioxane thromboxane receptor antagonists. *Eur J Med Chem.* 27: 723-727.
- Brown, HC; Kanth, JVB; Dalvi, PV; Zaidlewicz, M. (1999). Molecular addition compounds. 15. Synthesis, hydroboration, and reduction studies of new, highly reactive tert-butyl-dialkylamine-borane adducts. *J Org Chem.* 64: 6263-6274.
- Brown, HC; Kanth, JVB; Dalvi, PV; Zaidlewicz, M. (2000). Molecular addition compounds. 16. New, highly reactive borane adducts with N,N-dialkyl-tert-alkylamines for hydroboration. *J Org Chem.* 65: 4655-4661.
- Brown, HC; Kanth, JVB; Zaidlewicz, M. (1998). Molecular addition compounds. 11. N-ethyl-N-isopropylaniline-borane, a superior reagent for hydroborations and reductions. *J Org Chem.* 63: 5154-5163.
- Brown, HC; Kanth, JVB; Zaidlewicz, M. (1999). Molecular addition compounds. 14. Convenient preparations of representative dialkylborane reagents using the new, highly reactive N-ethyl-N-isopropylaniline-borane reagent (BACH-EI (TM)). *Tetrahedron.* 55: 5991-6000.
- Brown, RFC; Browne, NR; Coulston, KJ; Danen, LB; Eastwood, FW; Irvine, MJ; David, A; Pullin, E. (1986). Detection by infrared spectroscopy of benzyne formed by flash vacuum pyrolysis and trapped in an argon matrix. *Tetrahedron Letters.* 27: 1075-1078.
- Brown, RFC; Coulston, KJ; Eastwood, FW. (1996). Formation of biphenylene by elimination of C₂ from 9,10-didehydrophenanthrene at 1100°C. *Tetrahedron Letters.* 37: 6819-6820.
- Bruce, JI; Chambron, JC; Kolle, P; Sauvage, JP. (2002). Synthesis of a linear bis-porphyrin with a Ru(phen)₂(2+)-complexed 2,2'-bipyridine spacer. *Journal of the Chemical Society-Perkin Transactions* 11226-1231.
- Brumme, J; Scheim, U; Porzel, A; Rühlmann, K; Grosse-Ruyken, H. (1987). Zur Synthese von Siloxanen: VIII. Zum Mechanismus der Säurekatalyse bei der Hydrolyse von Chlorsiloxanen. *Journal of Organometallic Chemistry.* 334: 277-282.

Environmental Hazard Literature Search Results

Off Topic

- Bruneau, A; Brion, JD; Messaoudi, S; Alami, M. (2014). A general Pd/Cu-catalyzed C-H heteroarylation of 3-bromoquinolin-2(1H)-ones. *Organic & Biomolecular Chemistry*. 12: 8533-8541.
- Bruno, FP; Caira, MR; Martin, EC; Monti, GA; Sperandio, NR. (2013). Characterization and structural analysis of the potent antiparasitic and antiviral agent tioxanide. *Journal of molecular structure*. 1036: 318-325.
- Brydon, GA; Ryan, DE. (1966). Thiobenzoylphenylhydroxylamine: potential analytical reagent. *Anal Chim Acta*. 35: 190-194.
- Budzinska, A; Sas, W. (2001). Asymmetric synthesis of a branched-chain analogue of azapyranoses from a 5-allylic derivative of 5-nitro-1,3-dioxane. Synthesis of (3R,4S)-6,6-bis(hydroxymethyl)3,4-dihydropiperidin-2-one. *Tetrahedron Letters*. 42: 105-107.
- Bueno, C; Guerrero, J; Encinas, MV. (2004). Spectroscopic properties of 4-pyridoxic acid as a function of pH and solvent. *Helvetica Chimica Acta*. 87: 940-948.
- Bueno, JM; Cuevas, JC; Fiandor, JM; Garcia-Ochoa, S; de las Heras, FG. (2002). Antifungal sordarins. Synthesis and structure-activity relationships of 3',4'-fused dioxolane and dioxane derivatives. *Bioorganic & Medicinal Chemistry Letters*. 12: 121-124.
- Bueno, M; Molina, I; Galbis, JA. (2009). 1,4-Dioxane-2,5-dione-type monomers derived from L-ascorbic and D-isoascorbic acids. Synthesis and polymerisation. *Carbohydr Res*. 344: 2100-2104.
- Bugge, S; Kaspersen, SJ; Sundby, E; Hoff, BH. (2012). Route selection in the synthesis of C-4 and C-6 substituted thienopyrimidines. *Tetrahedron*. 68: 9226-9233.
- Bulich, AA. (1979). Use of Luminescent Bacteria for Determining Toxicity in Aquatic Environments. *Aquatic Toxicology ASTM STP 667*, L L Marking and R A Kimerle, Eds, American Society for Testing and Materials, p 98-106, 1979 3 Fig, 3 Tab, 3 Ref.
- Bull, SD; Correia, L; Davies, SG. (1998). Mechanisms of nucleophilic substitutions of acetals. *Journal of the Chemical Society-Perkin Transactions* 12231-2233.
- Bumgardner, CL; Burgess, JP. (2000). Addition of cyclic ethers and acetals to ethyl 3,3-difluoro-2-methylpropenoate. *Journal of Fluorine Chemistry*. 102: 345-348.
- Bunzel, M; Steinhart, H; Ralph, J. NMR and DFRC Characterization of Lignins Isolated from Fruit, Vegetable and Cereal Dietary Fiber. Food quality, an issue of molecule based science : proceedings / Euro Food Chem XIV conference, Paris, France, 29-31 August 2007 ; edited by Hervè This, Trygve Eklund421-424.
- Bunzel, M; Ralph, J. (2006). NMR characterization of lignins isolated from fruit and vegetable insoluble dietary fiber. *J Agric Food Chem*. 54: 8352-8361.
- Burd, C; Weck, M. (2008). Solvent influence on the orthogonality of noncovalently functionalized terpolymers. *Journal of polymer science*. 46: 1936-1944.
- Burdon, J; Parsons, IW. (1971). Highly fluorinated heterocyclesâ€”VII : The fluorination of 1,4-dioxan over cobalt trifluoride and potassium tetrafluorocobaltate (III); The fluorination of 1,4-oxathian over potassium tetrafluorocobaltate (III). *Tetrahedron*. 27: 4533-4551.
- Burdon, J; Parsons, IW. (1971). Highly fluorinated heterocyclesâ€”VIII : NMR spectra and structures of polyfluoro-1,4-dioxans, -1,4-oxathians, and -1,4-dithians. An anomeric effect in polyfluoroheterocycles. *Tetrahedron*. 27: 4553-4569.
- Burke, AJ; Maycock, CD; Ventura, MR. (2006). Stereoselective alkylation of tartrate derivatives. A concise route to (+)-O-methylpiscidic acid and natural analogues. *Organic & Biomolecular Chemistry*. 4: 2361-2363.
- Burke, SD; Armistead, DM; Schoenen, FJ; Fevig, JM. (1986). An enolate claisen route to c-pyranosides : Development and application to an ionophore synthon. *Tetrahedron*. 42: 2787-2801.
- Burke, SJ; Gamrat, JM; Santhouse, JR; Tomares, DT; Tomsho, JW. (2015). Potassium haloalkyltrifluoroborate salts: synthesis, application, and reversible ligand replacement with MIDA. *Tetrahedron Letters*. 56: 5500-5503.
- Burtin, G; Pellissier, H; Santelli, M. (1998). Dialkylation of acetophenones and acetophenone ethylene ketals with 1,8-bis(trimethylsilyl)-2,6-octadiene (BISTRO). Semi-empirical SCF studies of alpha-methoxy-alpha-methylbenzyl cations. *Tetrahedron*. 54: 2075-2086.
- Busby, SA; Kumar, N; Kuruvilla, DS; Istrate, MA; Conkright, JJ; Wang, Y; Kamenecka, TM; Cameron, MD; Roush, WR; Burris, TP; Griffin, PR. (2011). Identification of a novel non-retinoid pan inverse agonist of the retinoic acid receptors. *ACS Chem Biol*. 6: 618-627.
- Busetto, L; Cassani, MC; Mazzoni, R; Frediani, P; Rivalta, E. (2004). Coordination chemistry of ester-functionalized cp ligands: synthesis and catalytic activity of [Rh{CpCO₂(CHPh)₂OH}(NBD)] and [Rh{CpCO₂(CH₂)₃OH}(NBD)]. *Journal of Organometallic Chemistry*. 689: 2216-2227.
- Bustamante, C; Bustamante, P. (1996). Nonlinear Enthalpyâ€”Entropy Compensation for the Solubility of Phenacetin in Dioxaneâ€”Water Solvent Mixtures. *J Pharm Sci*. 85: 1109-1111.
- Bustamante, P; Muela, S; Escalera, B; Pena, A. (2010). Solubility Behavior and Prediction for Anthelmintics at Several Temperatures in Aqueous and Nonaqueous Mixtures. *Chemical & Pharmaceutical Bulletin*. 58: 644-649.
- Bustamante, P; Navarro, J; Romero, S; Escalera, B. (2002). Thermodynamic origin of the solubility profile of drugs showing one or two maxima against the polarity of aqueous and nonaqueous mixtures: Niflumic acid and caffeine. *J Pharm Sci*. 91: 874-883.
- Bustamante, P; Romero, S; Pena, A; Escalera, B; Reillo, A. (1998). Enthalpy-entropy compensation for the solubility of drugs in solvent mixtures: Paracetamol, acetanilide, and nalidixic acid in dioxane-water. *J Pharm Sci*. 87: 1590-1596.
- Butler, RS; Cohn, P; Tenzel, P; Abboud, KA; Castellano, RK. (2009). Synthesis, Photophysical Behavior, and Electronic Structure of Push-Pull Purines. *J Am Chem Soc*. 131: 623-633.
- Buwalda, SJ; Amgoune, A; Bourissou, D. (2016). PEGâ€”PLGA copolymers bearing carboxylated side chains: Novel hydrogels with enhanced crosslinking via ionic interactions. *Journal of polymer science*. 54: 1222-1227.
- Cabot, R; Hunter, CA. (2010). A thermodynamic study of selective solvation in solvent mixtures. *Organic & Biomolecular Chemistry*. 8: 1943-1950.

Environmental Hazard Literature Search Results

Off Topic

- Cadet, G; Chan, CS; Daniel, RY; Davis, CP; Guiadeen, D; Rodriguez, G; Thomas, T; Walcott, S; Scheiner, P. (1998). Ring-expanded nucleoside analogues. 1,3-dioxan-5-yl pyrimidines. *J Org Chem.* 63: 4574-4580.
- Cagide-Fagin, F; Nieto-Garcia, O; Lago-Santome, H; Alonso, R. (2012). Enantioselective Synthesis of Protected Nitrocyclohexitols with Five Stereocenters. Total Synthesis of (+)-Pancratistatin. *J Org Chem.* 77: 11377-11382.
- Cai, W; Wang, GT; Du, P; Wang, RX; Jiang, XK; Li, ZT. (2008). Foldamer organogels: A circular dichroism study of glucose-mediated dynamic helicity induction and amplification. *J Am Chem Soc.* 130: 13450-13459.
- Cai, XQ; Chen, ZC; Wang, N; Lin, XF. (2006). A facile method for preparation of polymerizable, optically active ketoprofen prodrug by irreversible lipase-catalysed resolution. *World Journal of Microbiology & Biotechnology.* 22: 723-727.
- Cai, YD; Dang, HS; Roberts, BP. (2002). Regioselectivity in the ring-opening beta-scission of 2-phenyl-1,3-dioxan-2-yl radicals derived from bicyclic benzylidene acetals. *Journal of the Chemical Society-Perkin Transactions* 12449-2458.
- Caira, MR; le Roex, T; Nassimbeni, LR; Ripmeester, JA; Weber, E. (2004). Inclusion by a fluorenyl host with volatile guests: structures, thermal stability and kinetics. *Organic & Biomolecular Chemistry.* 2: 2299-2304.
- Caira, MR; Robbertse, Y; Bergh, JJ; Song, MN; De Villiers, MM. (2003). Structural characterization, physicochemical properties, and thermal stability of three crystal forms of nifedipine. *J Pharm Sci.* 92: 2519-2533.
- Callahan, CM; Conard Fernelius, W; Block, BP. (1957). Studies on coordination compounds : Formation constants of some metal salts of the nitrosonaphthols. *Anal Chim Acta.* 16: 101-108.
- Callen, GR. (1989). Synthesis of functionalized trans and cis hydrindanes: Useful intermediates for natural product synthesis. PhD, University of Michigan.
- Calugaru, SV; Hall, BG; Sinnott, ML. (1995). Catalysis by the large subunit of the second beta-galactosidase of *Escherichia coli* in the absence of the small subunit. *The Biochemical journal.* 312: 281-286.
- Cameron, DJ; Shaver, MP. (2011). Aliphatic polyester polymer stars: synthesis, properties and applications in biomedicine and nanotechnology. *Chemical Society reviews.* 40: 1761-1776.
- Caminati, W; Dell'Erba, A; Melandri, S; Favero, PG. (1998). Conformation and stability of ether-water adducts: Free jet absorption millimeter wave spectrum of 1,4-dioxane-water. *J Am Chem Soc.* 120: 5555-5558.
- Caminati, W; Moreschini, P; Rossi, I; Favero, PG. (1998). The O center dot center dot center dot H-O hydrogen bond in the gas phase. Microwave structure of ethylene oxide water. *J Am Chem Soc.* 120: 11144-11148.
- Campanella, L; De Santis, G; Favero, G; Sammartino, MP; Tomassetti, M. (2001). Two OPEEs (organic phase enzyme electrodes) used to check the percentage water content in hydrophobic foods and drugs. *Analyst.* 126: 1923-1928.
- Campanella, L; Roversi, R; Sammartino, MP; Tomassetti, M. (1998). Hydrogen peroxide determination in pharmaceutical formulations and cosmetics using a new catalase biosensor. *J Pharm Biomed Anal.* 18: 105-116.
- Campbell, AL; Khanna, IK. (1986). Metallation of rigid 2-aryl-1,3-dioxanes. *Tetrahedron Letters.* 27: 3963-3966.
- Campos, CH; Oportus, M; Torres, C; Urbina, C; Fierro, JLG; Reyes, P. (2011). Enantioselective hydrogenation of 1-phenyl-propane-1,2-dione on immobilised cinchonidine Pt/SiO₂, catalysts. *Journal of Molecular Catalysis.* 348: 30-41.
- Candura, SM; Marraccini, P; Costa, LG; Manzo, L; Rossi, A; Coccini, T; Tonini, M. (1992). Calcium entry blockade as a mechanism for chlordimeform-induced inhibition of motor activity in the isolated guinea-pig ileum. *Pharmacology & toxicology.* 71: 426-433.
- Cannon, JG; Sahin, MF; Bhatnagar, RK; Flynn, JR; Long, JP. (1991). Structure-activity studies on a potent antagonist to organophosphate-induced toxicity. *J Med Chem.* 34: 1582-1584.
- Cantarella, G; d'Acunzo, F; Galli, C. (2003). Determination of laccase activity in mixed solvents: Comparison between two chromogens in a spectrophotometric assay. *Biotechnol Bioeng.* 82: 395-398.
- Cantera, RG; Leza, MG; Bachiller, CM. (2002). Solid phases of tenoxicam. *J Pharm Sci.* 91: 2240-2251.
- Cao, LQ; Fischer, A; Bornscheuer, UT; Schmid, RD. (1997). Lipase-catalyzed solid phase synthesis of sugar fatty acid esters. *Biocatalysis and Biotransformation.* 14: 269-283.
- Cao, M; Wang, J-Q; Chen, P-C; Xu, J-T; Fan, Z-Q. (2010). Cleavage of polystyrene-b-poly(ethylene oxide) block copolymers with a trithiocarbonate linkage in solutions. *Journal of polymer science.* 48: 3834-3840.
- Cao, ZHONG; Gao, DE; Lei, ZHENGANG; Lin, HUIGAI; Yu, RUQIN. (1997). Determination of carboxylic acid vapour by a thickness-shear-mode acoustic wave sensor coated with crown ethers. *Talanta.* 44: 1413-1421.
- Capanema, E; Balakshin, M; Katahira, R; Chang, H-m; Jameel, H. (2014). How Well Do MWL and CEL Preparations Represent the Whole Hardwood Lignin? *Journal of Wood Chemistry and Technology.* 35: 17-26.
- Capello, M; Imanishi, I; Iglesias, LE; Iribarren, AM. (2007). Two new dialkoxycarbonylated nucleosides obtained through a regioselective enzymatic alcoholysis. *Biotechnol Lett.* 29: 1217-1220.
- Cardinale, J; Ermert, J. (2013). Simplified synthesis of arylidonium ylides by a one-pot procedure. *Tetrahedron Letters.* 54: 2067-2069.
- Carmichael, WM; Edwards, DA; Fowles, GWA; Marshall, PR. (1967). Molybdenum (VI) dioxidedihalide complexes. *Inorganica Chimica Acta.* 1: 93-96.
- Carr, CA; Ellison, SLR; Robinson, MJT. (1989). Diverse origins of conformational equilibrium isotope effects for hydrogen in 1,3-dioxans. *Tetrahedron Letters.* 30: 4585-4588.
- Carter, CJ; Gueugnon, J; Scatton, B. (1988). Noradrenaline antagonizes and ouabain potentiates the effects of N-methyl-D-aspartate on rat cerebellar cyclic GMP production. *J Neurochem.* 51: 944-949.
- Carter, R; Shuster, S. (1983). Dopamine stimulates alpha 2-adrenoceptors on the *Anolis melanophore*. *Eur J Pharmacol.* 96: 311-315.
- Casada, ME; Ram, MS; Flinn, PW. (2008). Thermal design of shipping containers for beneficial insects. *Appl Eng Agr.* 24: 63-70.

Environmental Hazard Literature Search Results

Off Topic

- Casadesus, M; Coogan, MP; Ooi, LL. (2006). Synthesis of 5-alkylidene-1,3-dioxane-4,6-diones, an easily accessible family of axially chiral alkenes: preparation in non-racemic form and platinum binding studies. *Organic & Biomolecular Chemistry*. 4: 3822-3830.
- Casado, J; Diop, L; BriÅ re, R; Grondin, L; Reader, TA. (2005). Adrenergic receptor and catecholamine distribution in rat cerebral cortex: binding studies with [3H]prazosin, [3H]idazoxan and [3H]dihydroalprenolol. *Chem Res Toxicol*. 18: 1161-1166.
- Casassas, E; Alio, J. (1985). Metal complexes of 2-(2-â€²-carboxymethylthio-phenylazo)-5-nitrotolueneâ€²II. Complex formation equilibria with copper(II) ion in several dioxaneâ€²water solvent mixtures. *Polyhedron*. 4: 857-867.
- Casassas, E; DomÃ-iguez, N; Fonrodona, G; de Juan, A. (1993). Factor analysis applied to the study of the effects of solvent composition and nature of the inert electrolyte on the protonation constants in dioxaneâ€²water mixtures. *Anal Chim Acta*. 283: 548-558.
- Casey, TC; Carlisle, J; Tisselli, P; Male, L; Spencer, N; Grainger, RS. (2010). Stereoselective alpha,alpha '-Annulation Reactions of 1,3-Dioxan-5-ones. *J Org Chem*. 75: 7461-7464.
- CastelÃ£o Jr, JoF; Gottlieb, OR; De Lima, RA; Mesquita, AAL; Gottlieb, HE; Wenkert, E. (1977). Xanthonolignoids from *Kielmeyera* and *Caraipa* speciesâ€²13C NMR spectroscopy of xanthones. *Phytochemistry*. 16: 735-740.
- Castillo, B; Sola, RJ; Ferrer, A; Barletta, G; Griebenow, K. (2008). Effect of PEG modification on subtilisin Carlsberg activity, enantioselectivity, and structural dynamics in 1,4-dioxane. *Biotechnol Bioeng*. 99: 9-17.
- Castro, EA; Cubillos, M; Santos, JG. (1998). Concerted mechanisms of the reactions of phenyl and 4-nitrophenyl chlorothionoformates with substituted phenoxide ions. *J Org Chem*. 63: 6820-6823.
- Castro, MCR; Belsley, M; Fonseca, AMC; Raposo, MMM. (2012). Synthesis and characterization of novel second-order NLO-chromophores bearing pyrrole as an electron donor group. *Tetrahedron*. 68: 8147-8155.
- Cataldi, NI; Lux-Lantos, VA; Libertun, C. (2012). Effects of orexins A and B on expression of orexin receptors and progesterone release in luteal and granulosa ovarian cells. *Regulatory Peptides*. 178: 56-63.
- CauÃ«t, Sni; Wooley, KL. (2010). Kinetic investigation of the RAFT polymerization of p-acetoxystyrene. *Journal of polymer science*. 48: 2517-2524.
- Cauwenbergh, RV; Anteunis, M; Becu, C. (1975). On the preparation of 2-halo alkyl substituted 1,3-dioxolanes and 1,3-dioxanes. *Journal of Fluorine Chemistry*. 5: 277-291.
- Cencioni, R; Franchini, PF; Orienti, M. (1968). Dipole moments of 5-substituted isoxazolesâ€²I: Dipole moments and tautomerism of isoxazoline-5-ones. *Tetrahedron*. 24: 151-166.
- Cervo, L; Rossi, C; Samanin, R. (1993). Clonidine-induced place preference is mediated by alpha 2-adrenoceptors outside the locus coeruleus. *Eur J Pharmacol*. 238: 201-207.
- Cervo, L; Rossi, C; Tatarczynska, E; Samanin, R. (1996). Role of 5-HT1A receptors in the antinociceptive action of 8-hydroxy-2-(di-n-propylamino)tetralin in the rat. *Eur J Pharmacol*. 263: 187-191.
- Chahine, R; Cheav, SL. (1991). Effects of glycerolformal on sympathetic neurotransmission in the isolated rabbit heart. *Arzneimittelforschung*. 41: 449-452.
- Chai, L; McLaren, RP; Byrne, A; Chuang, WL; Huang, Y; Dufault, MR; Pacheco, J; Madhiwalla, S; Zhang, X; Zhang, M; Teicher, BA; Carter, K; Cheng, SH; Leonard, JP; Xiang, Y; Vasconcelles, M; Goldberg, MA; Copeland, DP; Klinger, KW; Lillie, J; Madden, SL; Jiang, YA. (2011). The chemosensitizing activity of inhibitors of glucosylceramide synthase is mediated primarily through modulation of P-gp function. *Int J Oncol*. 38: 701-711.
- Chaikof, EL; GnanD, LdCCdPOUŠBENSCPBABPcF; Bouloumiã€š, A. (2008). Alpha 2-adrenergic stimulation promotes preadipocyte proliferation. Involvement of mitogen-activated protein kinases. *J Am Chem Soc*. 130: 11662-11676.
- Chakrabarty, A; Das, P; Mallick, A; Chattopadhyay, N. (2008). Effect of surfactant chain length on the binding interaction of a biological photosensitizer with cationic micelles. *The journal of physical chemistry B*. 112: 3684-3692.
- Chakraborty, D; Bhattacharya, PK. (1990). Intramolecular interligand interactions in Cu(II) ternary complexes involving dipeptides and amino acids. *Journal of Inorganic Biochemistry*. 39: 1-8.
- Chakraborty, D; Bhattacharya, PK. Interligand interactions in ternary copper (II) complexes of dipeptides and auxins. *Journal of inorganic biochemistry*. Jan 1991. v. 41 (1): 57-62.
- Chambers, JM; Huang, DCS; Lindqvist, LM; Savage, GP; White, JM; Rizzacasa, MA. (2012). Total Synthesis of 2''',5'''-Diepispilvestrol and Its C1''' Epimer: Key Structure Activity Relationships at C1''' and C2'''. *J Nat Prod*. 75: 1500-1504.
- Chan, C; Inglis, GGA; Procopiou, PA; Ross, BC; Srikantha, ARP; Watson, NS. The squalenolins: C-3 decarboxylation studies and rearrangement to the 6,8-dioxabicyclo[3.2.1]octane ring system. *Tetrahedron letters : the international organ for the rapid publication of preliminary communications in organic chemistry*. Sept 17, 1993. v. 34 (38): 6143-6146.
- Chan, FCY; Jarman, M; Wang, MF; Potter, GA. (2000). Facile formation of the novel pyridyl substituted allene 2,4-bis(4-pyridyl)penta-2,3-diene. *Tetrahedron Letters*. 41: 2447-2448.
- Chan, J; Vogel, SM; Wen, JY; Alany, RG. (2009). Potentiometric determination of ionisation constants for diphacinone and chlorophacinone in a dioxane-water cosolvent system. *J Pharm Biomed Anal*. 50: 86-89.
- Chang, CJ; Hsu, SH. (2006). The effect of high outflow permeability in asymmetric poly(DL-lactic acid-co-glycolic acid) conduits for peripheral nerve regeneration. *Biomaterials*. 27: 1035-1042.
- Chang, MY; Lu, YJ; Cheng, YC. (2015). In(OTf)(3)-mediated synthesis of substituted pyridazines. *Tetrahedron*. 71: 6840-6845.
- Chapleo, CB; Doxey, JC; Myres, PL; Myres, M; Smith, CFC; Stillings, MR. (1989). Effect of 1,4-dioxanyl substitution on the adrenergic activity of some standard Î±-adrenoreceptor agents. *Eur J Med Chem*. 24: 619-622.
- Chapman, IM; Kapoor, R; Willoughby, JO. (1993). Interactions between the effects of opioid, serotonin and alpha-2-adrenergic receptor agonists on growth hormone release in the male rat. *Intrahypothalamic administration. Neuroendocrinology*. 57: 921-927.

Environmental Hazard Literature Search Results

Off Topic

- Chapman, RG; Sherman, JC. (2000). Restricted motion of guests confined in carceplexes and capsules. *J Org Chem.* 65: 513-516.
- Charbonneau, M; Iijima, M; Cote, MG; Plaa, GL. Temporal analysis of rat liver injury following potentiation of carbon tetrachloride hepatotoxicity with ketonic or ketogenic compounds.
- Charles-Harris, M; Navarro, M; Engel, E; Aparicio, C; Ginebra, MP; Planell, JA. (2005). Surface characterization of completely degradable composite scaffolds. *Journal of Materials Science-Materials in Medicine.* 16: 1125-1130.
- Charpentier, D; Tuchweber, B. (1982). Increased hepatotoxicity of carbon tetrachloride by the hypolipidemic drug nafenopin in rats. *Research Communications in Molecular Pathology and Pharmacology.* 36: 449-462.
- Charron, C; Roy, H; Blaise, M; Giege, R; Kern, D. (2004). Crystallization and preliminary X-ray diffraction data of an archaeal asparagine synthetase related to asparaginyl-tRNA synthetase. *Acta Crystallographica Section D-Biological Crystallography.* 60: 767-769.
- Chartres, CJ; Ringrose-Voase, AJ; Raupach, M. A comparison between acetone and dioxane and explanation of their role in water replacement in undisturbed soil samples. *Journal of Soil Science.* Dec 1989. v. 40 (4): 849-863 ill.
- Chatamra, K; Proctor, E. (1981). Phenobarbitone-Induced Enlargement of the Liver in the Rat: Its Relationship to Carbon Tetrachloride-Induced Cirrhosis. *British Journal of Experimental Pathology.* 62: 283-288.
- Chatten, LG; Racz, WJ. (1968). Quantitative Determination of Some Synthetic Antiparkinsonism Agents. *J Pharm Sci.* 57: 137-142.
- Chatterjee, A; Seth, D. (2013). Photophysical Properties of 7-(diethylamino)Coumarin-3-carboxylic Acid in the Nanocage of Cyclodextrins and in Different Solvents and Solvent Mixtures. *Photochem Photobiol.* 89: 280-293.
- Chatterjee, S; Bhattacharjee, P; Temburu, J; Nandi, D; Jaisankar, P. (2014). Indium trichloride catalyzed sp(3) C-H bond functionalization of 2-alkyl azaarenes under microwave irradiation. *Tetrahedron Letters.* 55: 6680-6683.
- Chaudhary, AK; Kamat, SV; Beckman, EJ; Nurok, D; Kleyle, RM; Hajdu, P; Russell, AJ. (1996). Control of subtilisin substrate specificity by solvent engineering in organic solvents and supercritical fluoroform. *J Am Chem Soc.* 118: 12891-12901.
- Chen, DZ; Ding, YF; Zhou, YY; Ye, JX; Chen, JM. (2015). Biodegradation Kinetics of Tetrahydrofuran, Benzene, Toluene, and Ethylbenzene as Multi-substrate by *Pseudomonas oleovorans* DT4. *Int J Environ Res Public Health.* 12: 371-384.
- Chen, DZ; Jin, XJ; Chen, J; Ye, JX; Jiang, NX; Chen, JM. (2016). Intermediates and substrate interaction of 1,4-dioxane degradation by the effective metabolizer *Xanthobacter flavus* DT8. *International Biodeterioration & Biodegradation.* 106: 133-140.
- Chen, JK; Wang, JH; Cheng, CC; Chang, JY; Chang, FC. (2013). Polarity-indicative two-dimensional periodic relief gratings of tethered poly(methyl methacrylate) on silicon surfaces for visualization in volatile organic compound sensing. *Applied Physics Letters.* 102: 51906-51906.
- Chen, JM; Zhou, YY; Chen, DZ; Jin, XJ. (2010). A newly isolated strain capable of effectively degrading tetrahydrofuran and its performance in a continuous flow system. *Bioresour Technol.* 101: 6461-6467.
- Chen, JY; Kurihara, M; Pusch, W. (1983). Transport coefficients of asymmetric and composite membranes. *Desalination.* 46: 379-388.
- Chen, L; Chen, Q; Zhang, ZZ; Wan, XC. (2009). A novel colorimetric determination of free amino acids content in tea infusions with 2,4-dinitrofluorobenzene. *Journal of Food Composition and Analysis.* 22: 137-141.
- Chen, P-Y; Zhang, L; Zhu, S-G; Cheng, G-B. (2017). Role of intermolecular interaction in crystal packing: A competition between halogen bond and electrostatic interaction. *Journal of Molecular Structure.* 1131: 250-257.
- Chen, Q; Kuriyama, M; Hao, XY; Soeta, T; Yamamoto, Y; Yamada, KI; Tomioka, K. (2009). Chiral Amidophosphane-Rhodium(I)-Catalyzed Asymmetric Conjugate Arylation of Acyclic Enones with Arylboronic Acids. *Chemical & Pharmaceutical Bulletin.* 57: 1024-1027.
- Chen, R-Y; Zhang, Y-R; Wang, Y-Z. (2009). Synthesis of poly(1,4-dioxan-2-one) catalyzed by immobilized lipase CA. *Journal of Molecular Catalysis B: Enzymatic.* 57: 224-228.
- Chen, SC; Wang, XL; Wang, YZ; Yang, KK; Zhou, ZX; Wu, G. (2007). In vitro degradation of biodegradable blending materials based on poly(p-dioxanone) and poly(vinyl alcohol)-graft-poly(p-dioxanone) with high molecular weights. *J Biomed Mater Res A.* 80: 453-465.
- Chen, SY; He, ZH; Xu, GJ; Xiao, XF. (2016). Fabrication and characterization of modified nanofibrous poly(L-lactic acid) scaffolds by thermally induced phase separation technique and aminolysis for promoting cytocompatibility. *Journal of Biomaterials Science-Polymer Edition.* 27: 1058-1068.
- Chen, T-YR. (1980). ELECTROCHEMISTRY OF PHENYLPROPADIENE AND 1,1,4,4-TETRAPHENYLBUTATRIENE. PhD, Indiana University.
- Chen, W; Meng, F; Cheng, R; Deng, C; Feijen, J; Zhong, Z. (2014). Advanced drug and gene delivery systems based on functional biodegradable polycarbonates and copolymers. *J Control Release.* 190: 398-414.
- Chen, XC; Chen, JC; De Paolis, M; Zhu, JP. (2005). Synthetic studies toward ecteinascidin 743. *J Org Chem.* 70: 4397-4408.
- Chen, Y; McCarthy, PJ; Harmody, DK; Schimoler-O'Rourke, R; Chilson, K; Selitrennikoff, C; Pomponi, SA; Wright, AE. (2002). New bioactive peroxides from marine sponges of the family Plakiniidae. *J Nat Prod.* 65: 1509-1512.
- Chen, Y-S. (1983). SYNTHESIS AND REACTIVITY OF TRANSITION METAL CARBONYLATES: PART ONE: SYNTHESIS AND CHARACTERIZATION OF THE MAGNESIUM TETRACARBONYLFERRATES(-II). PART TWO: THE CHEMISTRY OF THE TRICARBONYL PHOSPHINEFERRATE (-II) ANIONS. PART THREE: THE CHEMISTRY OF THE TRICARBONYL NITROSYLMANGANATE (-II) ANION. PhD, University of Minnesota.
- Cheng, C; Sun, G; Khoshdel, E; Wooley, KL. (2007). Well-defined vinyl ketone-based polymers by reversible addition-fragmentation chain transfer polymerization. *J Am Chem Soc.* 129: 10086-+.
- Cheng, J; Ji, R; Gao, SJ; Du, FS; Li, ZC. (2012). Facile Synthesis of Acid-Labile Polymers with Pendent Ortho Esters. *Biomacromolecules.* 13: 173-179.
- Cheng, T; Zhang, GQ; Xia, YG; Ji, Q; Xiao, Y; Wang, XY; Wang, MM; Liu, R; Qiu, B; Chen, GX; Chen, HF; Sun, ZC; Meng, JQ; Liu, ZP; Xiao, TH; Sun, LD; Yan, CH; Cheng, YJ. (2016). Template-free synthesis of titania architectures with controlled morphology evolution. *Journal of Materials Science.* 51: 3941-3956.
- Cheng, W; Coupet, J; Li, P; Reiss, K; Hamby, CV; Capasso, JM; Meggs, LG; Anversa, P. (1994). Coronary artery constriction in rats affects the activation of alpha 1 adrenergic receptors in cardiac myocytes. *Cardiovascular research.* 28: 1070-1082.

Environmental Hazard Literature Search Results

Off Topic

- Cheng, WL; Shaw, YJ; Yeh, SM; Kanakamma, PP; Chen, YH; Chen, C; Shieu, JC; Yiin, SJ; Lee, GH; Wang, Y; Luh, TY. (1999). Chelation-assisted regioselective C-O bond cleavage reactions of acetals by Grignard reagents. A general procedure for the regioselective synthesis of protected polyols having one free hydroxy group. *J Org Chem.* 64: 532-539.
- Cheng, Y; Qi, T; Jin, Y; Deng, D; Xiao, F. (2013). Highly cross-linked thermosetting resin of maleimidobenzoxazine functionalized with benzocyclobutene. *Polymer.* 54: 143-147.
- Cheng, YJ; Gutmann, JS. (2006). Morphology phase diagram of ultrathin anatase TiO₂ films templated by a single PS-b-PEO block copolymer. *J Am Chem Soc.* 128: 4658-4674.
- Chern, JH; Wu, HJ. (1998). Chemical transformation of tetraacetal tetraoxa-cages to aza-cages and amido-cages mediated by iodotrimethylsilane and the combination of chlorotrimethylsilane and sodium iodide in nitriles. *Tetrahedron.* 54: 5967-5982.
- Cheruku, S; Padmanilayam, MP; Vennerstrom, JL. (2003). Synthesis of 2H-pyrroles by treatment of pyrrolidines with DDQ. *Tetrahedron Letters.* 44: 3701-3703.
- Chery, F; Cabianna, E; Tatibouet, A; De Lucchi, O; Lindhorst, TK; Rollin, P. (2015). Reductive opening of carbohydrate phenylsulfonylethylidene (PSE) acetals. *Carbohydr Res.* 417: 117-124.
- Chhabria, MT; Bhatt, HG; Raval, HG; Oza, PM. (2007). Synthesis and biological evaluation of some 5-ethoxycarbonyl-6-isopropylamino-4-(substitutedphenyl)aminopyrimidines as potent analgesic and anti-inflammatory agents. *Bioorganic & Medicinal Chemistry Letters.* 17: 1022-1024.
- Chhabria, MT; Mahajan, BM; Brahmshatriya, PS. (2011). QSAR study of a series of acyl coenzyme A (CoA): cholesterol acyltransferase inhibitors using genetic function approximation. *Medicinal Chemistry Research.* 20: 1573-1580.
- Chianese, G; Fattorusso, E; Scala, F; Teta, R; Calcinaï, B; Bavestrello, G; Dien, HA; Kaiser, M; Tasdemir, D; Tagliatalata-Scafati, O. (2012). Manadoperoxides, a new class of potent antitrypanosomal agents of marine origin. *Organic & Biomolecular Chemistry.* 10: 7197-7207.
- Chianese, G; Persico, M; Yang, F; Lin, H-W; Guo, Y-W; Basilio, N; Parapini, S; Taramelli, D; Tagliatalata-Scafati, O; Fattorusso, C. (2014). Endoperoxide polyketides from a Chinese *Plakortis* simplex: Further evidence of the impact of stereochemistry on antimalarial activity of simple 1,2-dioxanes. *Bioorganic & Medicinal Chemistry.* 22: 4572-4580.
- Chiang, J; Hermodsson, G; Oie, S. (1991). The effect of alpha 1-acid glycoprotein on the pharmacological activity of alpha 1-adrenergic antagonists in rabbit aortic strips. *The Journal of pharmacy and pharmacology.* 43: 540-547.
- Chiang, SYD; Mora, R; Diguseppi, WH; Davis, G; Sublette, K; Gedalanga, P; Mahendra, S. (2012). Characterizing the intrinsic bioremediation potential of 1,4-dioxane and trichloroethene using innovative environmental diagnostic tools. *J Environ Monit.* 14: 2317-2326.
- Chidambara Raj, CB; Ramkumar, N; Haja jahabar siraj, A; Chidambaram, S. (1997). Biodegradation of Acetic, Benzoic, Isophthalic, Toluic and Terephthalic Acids Using a Mixed Culture: Effluents of PTA Production. *Process Saf Environ Protect.* 75: 245-256.
- Chilin, A; Conconi, MT; Marzaro, G; Guiotto, A; Urbani, L; Tonus, F; Parnigotto, P. (2010). Exploring Epidermal Growth Factor Receptor (EGFR) Inhibitor Features: The Role of Fused Dioxxygenated Rings on the Quinazoline Scaffold. *J Med Chem.* 53: 1862-1866.
- Chiou, CT; Kile, DE. (1994). Effects of polar and nonpolar groups on the solubility of organic compounds in soil organic matter. *Environmental Science & Technology.* 28: 1139-1144.
- Chipem, FAS; Malakar, A; Krishnamoorthy, G. (2015). Intramolecular Proton Transfer in 2-(2'-hydroxyphenyl)oxazolo 4,5-b pyridine: Evidence for Tautomer in the Ground State. *Photochem Photobiol.* 91: 298-305.
- Chitra, S; Paramasivan, K; Cheralathan, M; Sinha, PK. (2012). Degradation of 1,4-dioxane using advanced oxidation processes. *Environ Sci Pollut Res Int.* 19: 871-878.
- Chmielewski, MK; Marchan, V; Cieslak, J; Grajkowski, A; Livengood, V; Munch, U; Wilk, A; Beaucage, SL. (2003). Thermolytic carbonates for potential 5'-hydroxyl protection of deoxyribonucleosides. *J Org Chem.* 68: 10003-10012.
- Cho, CS. (2005). An efficient dealkylative addition of trialkylamines to dialkyl acetylenedicarboxylates in the presence of a metallic chloride. *Tetrahedron Letters.* 46: 1415-1417.
- Cho, CS; Kim, BT; Choi, HJ; Kim, TJ; Shim, SC. (2003). Ruthenium-catalyzed oxidative coupling and cyclization between 2-aminobenzyl alcohol and secondary alcohols leading to quinolines. *Tetrahedron.* 59: 7997-8002.
- Cho, CS; Kim, BT; Kim, TJ; Shim, SC. (2002). Ruthenium-catalyzed regioselective alpha-alkylation of ketones with primary alcohols. *Tetrahedron Letters.* 43: 7987-7989.
- Cho, CS; Kim, JH; Choi, HJ; Kim, TJ; Shim, SC. (2003). Ruthenium-catalyzed regioselective synthesis of 2-substituted indoles via ring-opening of epoxides by anilines. *Tetrahedron Letters.* 44: 2975-2977.
- Cho, CS; Kim, JH; Kim, TJ; Shim, SC. (2001). Ruthenium-catalyzed heteroannulation of anilines with alkanolammonium chlorides leading to indoles. *Tetrahedron.* 57: 3321-3329.
- Cho, CS; Kim, JH; Shim, SC. (2000). Ruthenium-catalyzed synthesis of indoles from anilines and trialkanolammonium chlorides in an aqueous medium. *Tetrahedron Letters.* 41: 1811-1814.
- Cho, CS; Kim, JS; Oh, BH; Kim, TJ; Shim, SC; Yoon, NS. (2000). Ruthenium-catalyzed synthesis of quinolines from anilines and allylammonium chlorides in an aqueous medium via amine exchange reaction. *Tetrahedron.* 56: 7747-7750.
- Cho, CS; Oh, BH; Shim, SC. (1999). Ruthenium-catalyzed synthesis of 2-ethyl-3-methylquinolines from anilines and triallylamine. *Tetrahedron Letters.* 40: 1499-1500.
- Cho, CS; Ren, WX; Shim, SC. (2006). A copper(II)-catalyzed protocol for modified Friedlander quinoline synthesis. *Tetrahedron Letters.* 47: 6781-6785.
- Cho, CS; Shim, SC. (2006). A ruthenium-catalyzed one-pot method for α -alkylation of ketones with aldehydes. *Journal of Organometallic Chemistry.* 691: 4329-4332.

Environmental Hazard Literature Search Results

Off Topic

- Cho, Y; Kim, JG; Noh, TH; Jung, O-S. (2013). Solvent exchange and discrimination in crystalline state. Formation and properties of copper(II) complexes containing 2,3-bis(isonicotinoyloxy)naphthalene. *Journal of molecular structure*. 1047: 95-101.
- Choi, I-H; Kim, I-C; Min, B-R; Lee, K-H. (2006). Preparation and characterization of ultrathin alumina hollow fiber microfiltration membrane. *Desalination*. 193: 256-259.
- Choi, JY; Lee, Y-J; Shin, J; Yang, J-W. (2010). Anodic oxidation of 1,4-dioxane on boron-doped diamond electrodes for wastewater treatment. *J Hazard Mater*. 179: 762-768.
- Choi, W-B; Churchill, HRO; Lynch, JE; Thompson, AS; Humphrey, GR; Volante, RP; Reider, PJ; Shinkai, I. (1994). A stereoselective synthesis of a key 1⁷-methylcarbapenem intermediate via a diastereoselective decarboxylation. *Tetrahedron Letters*. 35: 2275-2278.
- Choi, YS; Yoo, YJ. (2012). A hydrophilic and hydrophobic organic solvent mixture enhances enzyme stability in organic media. *Biotechnol Lett*. 34: 1131-1135.
- Chow, ET; Mahalingaiah, S. (2016). Cosmetics use and age at menopause: is there a connection? *Fertil Steril*. 106: 978-990.
- Christensen, BB; Foldager, CB; HanseD, ORLAUHNrBBAFACDbgc; Kristiansen, AA; Nielsen, AD; Nygaard, JV; BÅ ngAd, ORLAUH; rrebrogade, BAFoACDbgc; Lind, M. (2012). A novel nano-structured porous polycaprolactone scaffold improves hyaline cartilage repair in a rabbit model compared to a collagen type I/III scaffold: in vitro and in vivo studies. *Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA*.
- Chrystal, EJT; Haines, AH; Patel, R. Studies into the mode of action of herbicides derived from 4-[(benzyloxy)methyl]-1,3-dioxolanes and benzyl methyl ethers of poly(ethylene glycols). *J Agric Food Chem*. Mar 1990. v. 38 (3): 870-874.
- Chu, JH; Lin, PS; Lee, YM; Shen, WT; Wu, MJ. (2011). Palladium(II)-catalyzed one-pot syntheses of 9-(pyridin-2-yl)-9H-carbazoles through a tandem C-H activation/C-X (X=C or N) formation process. *Chemistry (Weinheim an der Bergstrasse, Germany)*. 17: 13613-13620.
- Chu, JH; Tsai, SL; Wu, MJ. (2009). Palladium(II)-Catalyzed ortho Arylation of 2-Phenylpyridines with Potassium Aryltrifluoroborates by C-H Functionalization. *Synthesis-Stuttgart*3757-3764.
- Chu, TC; Ogidigben, MJ; Potter, DE. (1999). 8OH-DPAT-Induced ocular hypotension: sites and mechanisms of action. *Experimental eye research*. 69: 227-238.
- Chua, KN; Lim, WS; Zhang, P; Lu, H; Wen, J; Ramakrishna, S; Leong, KW; Mao, HQ. (2005). Stable immobilization of rat hepatocyte spheroids on galactosylated nanofiber scaffold. *Biomaterials*. 26: 2537-2547.
- Chyall, LJ. (1991). The synthesis and thermal rearrangements of 7,7 -dibromo-trans-bicyclo(4.1.0)hept-3-ene and 7,7 -dichloro-trans-bicyclo(4.1.0)hept-3-ene. PhD, University of Minnesota.
- Ciobanu, M; Cojocar, B; Teodorescu, C; Vasiliu, F; Coman, SM; Leitner, W; Parvulescu, VI. (2012). Heterogeneous amination of bromobenzene over titania-supported gold catalysts. *J Catal*. 296: 43-54.
- Cioni, P; Strambini, GB. (1998). Acrylamide quenching of protein phosphorescence as a monitor of structural fluctuations in the globular fold. *J Am Chem Soc*. 120: 11749-11757.
- Circu, M; Soran, A; Hadade, ND; Rednic, M; Terec, A; Grosu, I. (2013). Cryptands with 1,3,5-Tris(1',3'-dioxan-2'-yl)-benzene Units: Synthesis and Structural Investigations. *J Org Chem*. 78: 8722-8729.
- Cismas, C; Vanthuyn, N; Rispaud, H; Varga, RA; Bogdan, E; Roussel, C; Grosu, I. (2011). Geometric Enantiomerism in Cyclic Compounds: Chiral Dibrominated 1,3-Dioxanes. *Chirality*. 23: 167-171.
- Cissell, JA; Vaid, TP; Yap, GPA. (2007). Reversible oxidation state change in germanium(tetraphenylporphyrin) induced by a dative ligand: Aromatic Ge(II)(TPP) and antiaromatic Ge(IV)(TPP)(pyridine)(2). *J Am Chem Soc*. 129: 7841-7847.
- Ciszewska, M; Kwasiborska, M; Nowakowski, M; Oleszczuk, M; Wojcik, J; Chung, NN; Schiller, PW; Izdebski, J. (2009). N-(ureidoethyl)amides of cyclic enkephalin analogs. *J Pept Sci*. 15: 312-318.
- Ciszewska, M; Ruszczynska, K; Oleszczuk, M; Chung, NN; Witkowska, E; Schiller, PW; Wojcik, J; Izdebski, J. (2011). Cyclic enkephalin-deltorphin hybrids containing a carbonyl bridge: structure and opioid activity. *Acta Biochim Pol*. 58: 225-230.
- Civicos, JF; Ribeiro, CMR; Costa, PRR; Najera, C. (2016). Copper- versus palladium-catalyzed aromatization of 2-(methoxycarbonyl) tetralones: synthesis of methyl 1-hydroxy-2-naphthoates. *Tetrahedron*. 72: 1897-1902.
- Clark, CS; Meyer, CR; Gartside, PS; Majeti, VA; Specker, B; Balistreri, WF; Elia, VJ. (1982). An Environmental Health Survey of Drinking Water Contamination by Leachate From a Pesticide Waste Dump in Hardeman County, Tennessee. *Archives of Environmental Health*. 37: 9-18.
- Clatworthy, A; Williams, JH; Barasi, S. (1988). Intrathecal 5-hydroxytryptamine and electrical stimulation of the nucleus raphe magnus in rats both reduce the antinociceptive potency of intrathecally administered noradrenaline. *Brain Res*. 455: 300-306.
- Clegg, W; Brown, DA; Bryan, SJ; Wade, K. (1987). Preparation and crystal structure of the dicarboranyl-magnesium bis(dioxane) adduct Mg(2-Me-1,2-C2B10H10)2·2C4H8O2. *Journal of Organometallic Chemistry*. 325: 39-46.
- Clinch, K. (1996). Synthesis of analogues of monic acids A and C: Potential herbicides and inhibitors of isoleucyl tRNA synthetase. *Bioorganic & Medicinal Chemistry Letters*. 6: 467-472.
- Coe, PL; Dodman, P; Tatlow, JC. (1975). Highly fluorinated heterocycles " XI [1] the preparation of some polyfluoro-p-dioxenes: some reactions of hexafluoro-p-dioxene. *Journal of Fluorine Chemistry*. 6: 115-128.
- Coe, PL; Lohr, M; Chambers, OR; Rochin, C. (1999). Reactions involving hexafluoropropylene oxide. Part 2. A novel "dethioesterification" of a fluorinated sulfur containing ester. *Journal of the Chemical Society-Perkin Transactions* 1569-573.
- Coleman, HM; Vimonses, V; Leslie, G; Amal, R. (2007). Degradation of 1,4-dioxane in water using TiO2 based photocatalytic and H2O2/UV processes. *J Hazard Mater*. 146: 496-501.
- Collins, MR; Huang, QH; Ornelas, MA; Scales, SA. (2010). The synthesis of 3-pyrazinyl-imidazo 1,2-a pyridines from a vinyl ether. *Tetrahedron Letters*. 51: 3528-3530.

Environmental Hazard Literature Search Results

Off Topic

- Comisar, CM. (2007). Synthesis reactions in high -temperature water. PhD, University of Michigan.
- Compton, BJ; Larsen, DS; Larsen, L; Weavers, RT. (2008). Reactive diene for synthesis of substituted catechols. *Tetrahedron Letters*. 49: 219-221.
- Conroy, CW; Maren, TH. (1989). The permeability of hydrophobic membranes to ^{22}Na salts and $^{14}\text{CO}_2$ in low dielectric media. *Biophysical Chemistry*. 34: 177-184.
- Consolo, S; Wang, JX; Forloni, GL; Mocchetti, I; Racagni, G; Ladinsky, H. (1985). Studies on the up regulation of alpha-adrenoceptors on rat hippocampal perikarya by chemical lesion of the median raphe nucleus. *Life Sci*. 37: 449-460.
- Conway, T; Diksic, M. (1991). PET studies of potential chemotherapeutic agents--X. Synthesis of "no-carrier-added" (11C)-HECNU: the hydroxyethyl analog of the chemotherapeutic agent BCNU. *International journal of radiation applications and instrumentation Part A, Applied radiation and isotopes*. 42: 441-446.
- Cook, MJ; Nasri, K; Vather, SM. (1986). The contrasting conformational behaviour of 5-aryl-5-methyl-1,3-dioxanes and 1-aryl-1-methylcyclohexanes. *Tetrahedron Letters*. 27: 3853-3854.
- Cooksey, J; Gunn, A; Kocienski, PJ; Kuhl, A; Uppal, S; Christopher, JA; Bell, R. (2004). The nucleophilic addition of alpha-metallated 1,3-dioxanes to planar chiral cationic eta(3)-allyl-molybdenum complexes. Synthesis of (2E,5S,6R,7E)-6-methyl-8-phenylocta-2,7-dienoic acid methyl ester, a key component of the Cryptophycins. *Organic & Biomolecular Chemistry*. 2: 1719-1731.
- Cookson, RC; Crabb, TA; Vary, S. (1968). The NMR spectra of some 5,5-disubstituted-1,3-dioxans. *Tetrahedron*. 24: 4559-4564.
- Cooper, M. (1955). A NEW ISOMER OF 2,3,5,6-TETRACHLORO-PARA-DIOXANE. PhD, Northwestern University.
- Corbett, Y; Chianese, G; Fattor; Tagliatela-Scafati, O; Cannon, JG; Sahin, MF; Long, JP; Flynn, JR; Bhatnagar, RK. (8526). Hemicholinium-3 congeners as potential antagonists to organophosphate-induced toxicity. *J Med Chem*, Dec. 54: 8526-408526.
- Corcoran, RC. (1990). Chelation and non-chelation directed cleavage of acetals. *Tetrahedron Letters*. 31: 2101-2104.
- Corpus, VM; Bressie, SM; Stillwell, LI; Olins, GM. (1994). Interaction of guanidinium compounds and K^+ channel modulators with imidazoline binding sites in rabbit kidney. *Eur J Pharmacol*. 266: 197-200.
- Cortes, F; Tenorio, J; Collera, O; Cuevas, G. (2001). Electronic delocalization contribution to the anomeric effect evaluated by computational methods. *J Org Chem*. 66: 2918-2924.
- Cortes-Arriagada, D. (2016). Expanding the environmental applications of metal (Al, Ti, Mn, Fe) doped graphene: adsorption and removal of 1,4-dioxane. *Phys Chem Chem Phys*. 18: 32281-32292.
- Cortijo, L; Lin, Z; Han, D; Li, S; Li, Y; Yuan, T. (2014). Combustion intermediates in fuel-rich 1,4-dioxane flame studied by tunable synchrotron vacuum ultraviolet photoionization. *J Hazard Mater*. 268: 102-109.
- Cortijo, M; Llor, J; Sanchez-Ruiz, JM. Thermodynamic constants for tautomerism, hydration, and ionization of vitamin B6 compounds in water/dioxane. *J Biol Chem*. Dec 5, 1988. v. 263 (34): 17960-17969.
- Cosimelli, B; Frenna, V; Guernelli, S; Lanza, CZ; Macaluso, G; Petrillo, G; Spinelli, D. (2002). The first kinetic evidence for acid catalysis in a monocyclic rearrangement of heterocycles: Conversion of the Z-phenylhydrazone of 5-amino-3-benzoyl-1,2,4-oxadiazole into N,5-diphenyl-2H-1,2,3-triazol-4-ylurea. *J Org Chem*. 67: 8010-8018.
- Cosimelli, B; Guernelli, S; Spinelli, D; Buscemi, S; Frenna, V; Macaluso, G. (2001). On the synthesis and reactivity of the Z-2,4-dinitrophenylhydrazone of 5-amino-3-benzoyl-1,2,4-oxadiazole. *J Org Chem*. 66: 6124-6129.
- Costa, CAE; Coleman, W; Dube, M; Rodrigues, AE; Pinto, PCR. (2016). Assessment of key features of lignin from lignocellulosic crops: Stalks and roots of corn, cotton, sugarcane, and tobacco. *Ind Crop Prod*. 92: 136-148.
- Costa, LG; Murphy, SD. (1987). Interaction of the pesticide chlordimeform with adrenergic receptors in mouse brain: an in vitro study. *Arch Toxicol*. 59: 323-327.
- Costa, T; Seixas de Melo, J. (2009). A resonance Rayleigh scattering study of unlabeled and pyrene-labeled poly(acrylic acid) polymers. *Journal of Molecular Structure*. 920: 142-148.
- Costall, B; Naylor, RJ. (1978). Dopamine antagonistic effects of a series of analogues of oxiperomide and spiroxatrine measured behaviourally in the rodent. *The Journal of pharmacy and pharmacology*. 30: 693-698.
- Couderchet, M; Schmalfuss, J; Boger, P. Incorporation of oleic acid into sporopollenin and its inhibition by the chloroacetamide herbicide metazachlor. *Pesticide biochemistry and physiology*. July 1996. v. 55 (3): 189-199.
- Couldwell, C; Jackson, A; O'Brien, H; Chess-Williams, R. (1993). Characterization of the alpha 1-adrenoceptors of the rat prostate gland. *The Journal of pharmacy and pharmacology*. 45: 922-924.
- Coupland, NJ; Bailey, JE; Wilson, SJ; Potter, WZ; Nutt, DJ. (1994). A pharmacodynamic study of the alpha 2-adrenergic receptor antagonist ethoxydiazoxan in healthy volunteers. *Clinical pharmacology and therapeutics*. 56: 420-429.
- Couto, J; St-Louis, R; Karboune, S. (2011). Optimization of feruloyl esterase-catalyzed synthesis of feruloylated oligosaccharides by response surface methodology. *Journal of molecular catalysis*. 73: 53-62.
- Couturier, Jrm; Cuny, Gr; Hudson, AP; Dutrillaux, B; Bernardi, G. (1982). Cytogenetical and biochemical characterization of a dG + dC-rich satellite DNA in the primate *Cebus capucinus*. *Biochimie*. 64: 443-450.
- Covis, R; Ladaviere, C; Desbrieres, J; Marie, E; Durand, A. (2013). Synthesis of water-soluble and water-insoluble amphiphilic derivatives of dextran in organic medium. *Carbohydr Polymer*. 95: 360-365.
- Cowley, AH; Decken, A; Olaza-Bal, CA. (1996). Hybrid inorganic-organometallic compounds with gallium-gallium bonds. *Journal of Organometallic Chemistry*. 524: 271-273.
- Cowley, AH; Mardones, MA; Avendaño, S; Román, E; Manriquez, JM; Carrano, CJ. (1993). Indenyl complexes of germanium(II). *Polyhedron*. 12: 125-127.
- Crabb, TA; Newton, RF. (1970). The NMR spectra and configurations of some 2,5,5-trisubstituted 1,3-dioxans. *Tetrahedron*. 26: 693-699.

Environmental Hazard Literature Search Results

Off Topic

- Crain, D; Armstrong, S; Brunton, J; Robben, T; Schmidt, SE. (2013). In Situ Generation of Borane for the Reduction of Nitriles to Primary Amines. *Transactions of the Kansas Academy of Science*. 115: 139-144.
- Crane, CA. (1999). Polyphosphazenes through living cationic polymerization. PhD, The Pennsylvania State University.
- Crane, EJ, 3rd; Vervoort, J; Claiborne, A. (1997). ¹³C NMR analysis of the cysteine-sulfenic acid redox center of enterococcal NADH peroxidase. *Biochemistry*. 36: 8611-8618.
- Crestani, CC; Alves, FH; Res; Cm. (2008). Bed nucleus of the stria terminalis alpha(1)-adrenoceptor modulates baroreflex cardiac component in unanesthetized rats. *Brain Res*. 1245: 108-115.
- Crossley, J; Holt, A; Walker, S. (1965). Dielectric studies III : conformational studies of 1,4-dioxan, 1,4-dithian and 1,4-thioxan. *Tetrahedron*. 21: 3141-3149.
- Crouch, RD; Stieff, M; Frie, JL; Cadwallader, AB; Bevis, DC. (1999). Selective deprotection of silyl-protected phenols using solid NaOH and a phase transfer catalyst. *Tetrahedron Letters*. 40: 3133-3136.
- Crozier, TE; Johnson, DC; Thompson, NS. Changes in a southern pine dioxane lignin on oxidation with oxygen in sodium carbonate media. *Tappi*. Sept 1979. v. 62 (9): 107-111 ill.
- Cruikshank, DL; Vico, RV; Bourne, SA; Caira, MMR; Buj; aacBuj n, Idle; sico, QmdCr; de, RRRH; Sullivan, HR; Marshall, FJ; Bopp, RJ. (2011). Metabolism of the antimicrobial agent nibroxane, 5-bromo-2-methyl-5-nitro-m-dioxane, in the rat. *Carbohydr Res*. 346: 322-327.
- Cruz-Sanchez, JS; Juaristi, E. (2002). Contrasting conformational behavior of 5-methylsulfonyl-1,3-dioxane and 1,3-dithiane in the minimization of steric and electrostatic repulsive interactions. *Tetrahedron Letters*. 43: 9369-9372.
- Cryan, JF; Lucki, I. (2000). 5-HT(4) receptors do not mediate the antidepressant-like behavioral effects of fluoxetine in a modified forced swim test. *Eur J Pharmacol*. 409: 295-299.
- CsÁjk, G; RontÁc, lloBSUoMBH; Nocentini, S; Averbeck, S; Averbeck, D; Besson, T; Coudert, G; Guillaumet, G. (1994). Biophysical and biological properties of newly synthesized dioxinocoumarin derivatives. II. Dark and photoinduced effects on T7 phage, yeast and HeLa cells. *Journal of photochemistry and photobiology B, Biology*. 24: 129-139.
- CsÁllregh, I; Gallardo, O; Weber, E; Finge, S; Reutel, C. (1992). The unusual structure of the crystalline inclusion compound between (11S,12S)-(Á)-9,10-dihydro-9,10-ethanoanthracene-11,12-dicarboxylic acid and acetic acid. *Tetrahedron: Asymmetry*. 3: 1555-1562.
- Cserhati, T; Forgacs, E. (1998). Effect of molecular parameters on the retention of steroid drugs on alumina support. *J Pharm Biomed Anal*. 18: 497-503.
- Cui, JG; Zeng, LM; Su, JY; Lu, WG. (2001). Synthesis of polyhydroxysterols (I): synthesis of 24-methylenecholest-4-en-3 beta,6 beta-diol, a cytotoxic natural hydroxylated sterol. *Steroids*. 66: 33-38.
- Cunha, SC; Fernandes, JO; Ferreira, I. (2002). HPLC/UV determination of organic acids in fruit juices and nectars. *European Food Research and Technology*. 214: 67-71.
- Cunningham, ML; Gandolfi, AJ; Brendel, K; Sipes, IG. (1981). Covalent Binding of Halogenated Volatile Solvents to Subcellular Macromolecules in Hepatocytes. *Life Sci*. 29: 1207-1212.
- Curci, R; Di Furia, F. (1971). Oxidation of organophosphorus compounds-III : Kinetic isotope effects in the oxidation of some diarylphosphine oxides by peroxybenzoic acid. *Tetrahedron*. 27: 4601-4608.
- Curet, O; Dennis, T; Scatton, B. (1987). Evidence for the involvement of presynaptic alpha-2 adrenoceptors in the regulation of norepinephrine metabolism in the rat brain. *The Journal of pharmacology and experimental therapeutics*. 240: 327-336.
- Cusati, G; Djakovitch, L. (2008). First heterogeneously palladium-catalysed fully selective C3-arylation of free NH-indoles. *Tetrahedron Letters*. 49: 2499-2502.
- Cypher, JA; Lemke, LD. (2009). Multiple Working Transport Hypotheses in a Heterogeneous Glacial Aquifer System. *Ground Water Monitoring and Remediation*. 29: 105-119.
- Czarnik-Matuszewicz, B; Hawranek, JP. (1988). IR bandshapes of weakly H-bonded complexes of tertiary alcohols with oxygen bases. *Journal of Molecular Structure*. 177: 359-366.
- Da Silva, ES; Wong-Wah-Chung, P; Sarakha, M; Burrows, HD. (2013). Photophysical characterization of the plant growth regulator 2-(1-naphthyl) acetamide. *Journal of Photochemistry & Photobiology, A: Chemistry*. 265: 29-40.
- da Silva, RA; Bieber, LW. (2010). Zinc-promoted, iridium catalyzed reductive alkylation of primary amines with aliphatic ketones in aqueous medium. *Tetrahedron Letters*. 51: 689-691.
- Dabale; Bais, R. (1981). Effect of Carbon Tetrachloride on the Quantity of Blood Sugar and Liver Glycogen in *Tatera indica* and *Rattus rattus*. *Journal of Animal Morphology and Physiology*. 28: 216-220.
- Dabbagh, HA; Modarresi-Alam, AR; Tadjarodi, A; Taeb, A. (2002). Experimental demonstration of anomeric effect and structure: X-ray conformational and configurational analysis of N-2-(1,4-dioxane)-N'-(p-methylbenzenesulfonyl)-O-(p-methylphenoxy) isourea. *Tetrahedron*. 58: 2621-2625.
- Dabbagh, HA; Naderi, M; Chermahini, AN. (2011). Linear free energy relationship for the anomeric effect: MP2, DFT and ab initio study of 2-substituted-1,4-dioxanes. *Carbohydr Res*. 346: 1047-1056.
- Dabire, H; Dausse, JP; Mouille, P; Fournier, B; Cardot, A; Meyer, P; Schmitt, H. (1986). Pharmacological properties of the enantiomers of idazoxan: possible separation between their alpha-adrenoceptor blocking effects. *Clinical and experimental hypertension Part A, Theory and practice*. 8: 387-409.
- Dai, SY; Li, Z. (2008). Enzymatic preparation of novel thermoplastic di-block copolyesters containing poly (R)-3-hydroxybutyrate and poly(epsilon-caprolactone) blocks via ring-opening polymerization. *Biomacromolecules*. 9: 1883-1893.
- Dai, XL; Warren, TH. (2004). Discrete bridging and terminal copper carbenes in copper-catalyzed cyclopropanation. *J Am Chem Soc*. 126: 10085-10094.

Environmental Hazard Literature Search Results

Off Topic

- D'Alessandro, S; Tantillo, A. (1971). Electrostatic phenomena in ion exchange membranes. *Desalination*. 9: 225-234.
- Dalimova, GN; Abduazimov, KA. Cleavage of the natural lignin and the dioxane lignin of kenaf by thioacetic acid. *Chemistry of Natural Compounds*. Sept 1986. v. 22 (2): 218-219.
- Dallas, AS; Gothelf, KV. (2005). Effect of water on the palladium-catalyzed amidation of aryl bromides. *J Org Chem*. 70: 3321-3323.
- Daly, SR; Bellott, BJ; Kim, DY; Girolami, GS. (2010). Synthesis of the Long-Sought Unsubstituted Aminodiboranate $\text{Na}(\text{H}(3)\text{B}-\text{NH}(2)-\text{BH}(3))$ and Its N-Alkyl Analogs. *J Am Chem Soc*. 132: 7254-+.
- Dang, HS; Elsegood, MRJ; Kim, KM; Roberts, BP. (1999). Radical-chain reductive alkylation of electron-rich alkenes mediated by silanes in the presence of thiols as polarity-reversal catalysts. *Journal of the Chemical Society-Perkin Transactions* 12061-2068.
- Dang, HS; Roberts, BP. (1998). Radical-chain addition of aldehydes to alkenes catalysed by thiols. *Journal of the Chemical Society-Perkin Transactions* 167-75.
- Danila, I; Riobe, F; Piron, F; Puigmarti-Luis, J; Wallis, JD; Linares, M; Agren, H; Beljonne, D; Amabilino, DB; Avarvari, N. (2011). Hierarchical Chiral Expression from the Nano- to Mesoscale in Synthetic Supramolecular Helical Fibers of a Nonamphiphilic C(3)-Symmetrical pi-Functional Molecule. *J Am Chem Soc*. 133: 8344-8353.
- D'Anna, F; Ferroni, F; Frenna, V; Guernelli, S; Lanza, CZ; Macaluso, G; Pace, V; Petrillo, G; Spinelli, D; Spisani, R. (2005). On the application of the extended Fujita-Nishioka equation to polysubstituted systems. A kinetic study of the rearrangement of several poly-substituted Z-arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in dioxane/water. *Tetrahedron*. 61: 167-178.
- D'Anna, F; Frenna, V; Ghelfi, F; Marullo, S; Spinelli, D. (2011). Acid- and Base-Catalysis in the Mononuclear Rearrangement of Some (Z)-Arylhydrazones of 5-Amino-3-benzoyl-1,2,4-oxadiazole in Toluene: Effect of Substituents on the Course of Reaction. *J Org Chem*. 76: 2672-2679.
- D'Anna, F; Frenna, V; Lanza, CZ; Macaluso, G; Marullo, S; Spinelli, D; Spisani, R; Petrillo, G. (2010). On the use of multi-parameter free energy relationships: the rearrangement of (Z)-arylhydrazones of 5-amino-3-benzoyl-1,2,4-oxadiazole into (2-aryl-5-phenyl-2H-1,2,3-triazol-4-yl)ureas. *Tetrahedron*. 66: 5442-5450.
- D'Anna, F; Frenna, V; Macaluso, G; Marullo, S; Morganti, S; Pace, V; Spinelli, D; Spisani, R; Tavani, C. (2006). On the rearrangement in dioxane/water of (Z)-arylhydrazones of 5-amino-3-benzoyl-1,2,4-oxadiazole into (2-aryl-5-phenyl-2H-1,2,3-triazol-4-yl)ureas: Substituent effects on the different reaction pathways. *J Org Chem*. 71: 5616-5624.
- D'Anna, F; Frenna, V; Macaluso, G; Morganti, S; Nitti, P; Pace, V; Spinelli, D; Spisani, R. (2004). On the dichotomic behavior of the Z-2,4-dinitrophenylhydrazone of 5-amino-3-benzoyl-1,2,4-oxadiazole with acids in toluene and in dioxane/water: Rearrangement versus hydrolysis. *J Org Chem*. 69: 8718-8722.
- D'Anna, F; Noto, R. (2007). Amine basicity: measurements of ion pair stability in ionic liquid media. *Tetrahedron*. 63: 11681-11685.
- Danquigny, A; Benazza, M; Protois, S; Demailly, G. (2004). Versatile use of bis-cyclic thionocarbonates of polyols as bis-electrophilic intermediates. Synthesis of polyhydroxylated thioanhydropentitols with D,L-arabino, L-ribo and L-xylo, and thioanhydroaldoses with D-lyxo, L-ribo, D-xylo, D-allo, D-gulo and D-altro configurations. *Tetrahedron Letters*. 45: 4365-4369.
- Danquigny, A; Meziane, MAA; Demailly, G; Benazza, M. (2005). Short synthesis of hydroxylated thiolane and selenolane rings from mono-benzylated pentitols and aldoses dithioacetals bis-thionocarbonates as bis-electrophilic substrates. *Tetrahedron*. 61: 6772-6781.
- Dardennes, E; Kovács-Kulyassa, Árd; Boisbrun, M; Petermann, C; Laronze, J-Y; Sapi, J. (2005). Diastereocontrolled multicomponent pathway to 3,4-heterocycle-annulated tetrahydro- $\hat{\text{I}}^2$ -carbolines. *Tetrahedron: Asymmetry*. 16: 1329-1339.
- Darwish, ES; Abdelhamid, IA; Nasra, MA; Abdel-Gallil, FM; Fleita, DH. (2010). A One-Pot Biginelli Synthesis of 6-Unsubstituted 5-Aroylpyrimidin-2(1H)-ones and 6-Acetyl-1,2,4-triazin-3(2H)-ones. *Helvetica Chimica Acta*. 93: 1204-1208.
- Das, AR; Medda, A; Singha, R. (2010). Synthesis of biologically potent new 3-(heteroaryl)aminocoumarin derivatives via Buchwald-Hartwig C-N coupling. *Tetrahedron Letters*. 51: 1099-1102.
- Das, B; Reddy, GC; Balasubramanyam, P; Salvanna, N. (2011). Copper(II) Oxide Catalyzed Ligand-Free Coupling Reaction of Heteroarenes with Bromoalkynes. *Synthesis-Stuttgart* 816-820.
- Das, J; Reid, JA; Kronenthal, DR; Singh, J; Pansegrau, PD; Mueller, RH. (1992). Novel methods for syntheses of substituted oxazoles by cyclization of vinyl bromides. *Tetrahedron Letters*. 33: 7835-7838.
- Das, P; Ray, SK. (2014). Synthesis and characterization of biopolymer based mixed matrix membranes for pervaporative dehydration. *Carbohydr Polymer*. 103: 274-284.
- Dasgupta, B; Donaldson, WA. (1998). Synthetic studies directed toward streptenol D: enantioselective preparation of the 3,5-diacetoxy-6E,8E-decadiene segment. *Tetrahedron: Asymmetry*. 9: 3781-3788.
- Dasher, PJ. (1937). THE CONDUCTANCE OF SALTS IN DIOXANE. PhD, Indiana University.
- Daszkiewicz, Z; Nowakowska, E; Kyzioł, JB. (1998). By-products in the rearrangement of N-methyl-N-phenylnitramine. *Tetrahedron*. 54: 5991-6000.
- Dattagupta, N; BÄ¼nemann, H; MÄ¼ller, W. (1975). Interaction of 4,5-dibromo-2,7-di-(acetatomercuri)-fluorescein with DNAs of different base composition. *Biochimica et Biophysica Acta (BBA) - Nucleic Acids and Protein Synthesis*. 378: 44-53.
- Dauvergne, J; Burger, A; Biellmann, JF. (2001). Preparation of 1-(3-C-(propa-1,2-dienyl)D-ribo-pentofuranosyl)uracil, an allenic nucleoside. *Nucleosides Nucleotides & Nucleic Acids*. 20: 1775-1781.
- Davies, DR. (1998). The diastereoselective synthesis of 1,2-dioxanes and 1,2,4-trioxanes through electrophilic cyclizations of unsaturated hydroperoxyacetals and -ketals. PhD, The University of Nebraska - Lincoln.
- Davies, SG; Roberts, PM; Stephenson, PT; Storr, HR; Thomson, JE. (2009). A practical and scaleable total synthesis of the jaborandi alkaloid (+)-pilocarpine. *Tetrahedron*. 65: 8283-8296.

Environmental Hazard Literature Search Results

Off Topic

- Davies, SG; Roberts, PM; Stephenson, PT; Thomson, JE. (2009). Syntheses of the racemic jaborandi alkaloids pilocarpine, isopilocarpine and pilosinine. *Tetrahedron Letters*. 50: 3509-3512.
- Davis, JM; Cameron, DR; Kubanek, JM; Mizuyabu, L; Thatcher, GRJ. (1991). Acceleration of sulfate ester hydrolysis in hydrophobic environments. *Tetrahedron Letters*. 32: 2205-2206.
- Davis, L. (1973). The structure of dihydroxyacetone in solution. *Bioorganic Chemistry*. 2: 197-201.
- Dawidowicz, AL; Olszowy, M; Jozwik-Doleba, M. (2015). Importance of solvent association in the estimation of antioxidant properties of phenolic compounds by DPPH method. *Journal of Food Science and Technology-Mysore*. 52: 4523-4529.
- Dawidowicz, AL; Wianowska, D; Olszowy, M. (2012). On practical problems in estimation of antioxidant activity of compounds by DPPH center dot method (Problems in estimation of antioxidant activity). *Food Chem*. 131: 1037-1043.
- Dayton, PG; Sanders, JE. (1983). Dose-dependent pharmacokinetics: emphasis on phase I metabolism. *Drug metabolism reviews*. 14: 347-405.
- de, BTH; Nefkens, F; van, HA; van, DAM. (1996). Differences in modulation of noradrenergic and serotonergic transmission by the alpha-2 adrenoceptor antagonists, mirtazapine, mianserin and idazoxan. *The Journal of pharmacology and experimental therapeutics*. 277: 852-860.
- De, CL; Motoyanagi, J; Kurata, A; Minoda, M. (2015). Self-assembly behavior of amphiphilic C₆₀-end-capped poly(vinyl ether)s in water and dissociation of the aggregates by the complexing of the C₆₀ moieties with externally added γ-cyclodextrins. *Nanoscale*. 7: 12000-12009.
- De Clercq, J; Van de Steene, E; Verbeken, K; Verhaege, M. (2010). Electrochemical oxidation of 1,4-dioxane at boron-doped diamond electrode. *J Chem Tech Biotechnol*. 85: 1162-1167.
- de Lera, AR; GarcÃ-a Rey, J; Hrovat, D; Iglesias, B; LÃ³pez, S. (1997). Functionalized alkylidenecyclopentenes by acid-catalyzed electrocyclic ring closure of (2Z)-(di)vinylallene acetals. *Tetrahedron Letters*. 38: 7425-7428.
- de, MF; Pustogov, VV; Croitoru, N; Mizaikoff, B. (2003). Development and optimization of a mid-infrared hollow waveguide gas sensor combined with a supported capillary membrane sampler. *Appl Spectrosc*. 57: 600-606.
- de, NS. (1935). Experimental Tubular Necrosis of the Kidneys accompanied by Liver Changes due to Dioxan Poisoning. *The Journal of hygiene*. 35: 540-548.
- de, OAM; Campos-Mello, LoPSoPoSUoSoPRoPSPBaub; LeitÃ±o, MC; Correa, FM. (1998). Matura. on and aging-related differences in responsiveness of rat aorta and carotid arteries to alpha1-adrenoceptor stimulation. *Pharmacology*. 57: 305-313.
- de Ruiter, N; Ottenwaelder, H; Muliawan, H; Kappus, H. (1982). Lipid Peroxidation in Isolated Rat Hepatocytes Measured by Ethane and n-Pentane Formation. *Arch Toxicol*. 49: 265-273.
- De, S; Das, S; Girigoswami, A. (2005). Environmental effects on the aggregation of some xanthene dyes used in lasers. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 61: 1821-1833.
- de Toledo, TA; da Silva, LE; Teixeira, AMR; Freire, PTC; Pizani, PS. (2015). Characterization of Meldrumâ€™s acid derivative 5-(5-Ethyl-1,3,4-thiadiazol-2-ylamino)methylene-2,2-dimethyl-1,3-dioxane-4,6-dione by Raman and FT-IR spectroscopy and DFT calculations. *Journal of Molecular Structure*. 1091: 37-42.
- de Vargas, EBn; CaÃ±as, AI. (1996). From N-n-butyl-2,6-dinitroaniline to a fused heterocyclic N-oxide. *Tetrahedron Letters*. 37: 767-770.
- Deacon, GB; Slade, RM; Vince, DG. (1978). Organothallium compounds XII NMR spectra of some polyfluorophenylthallium (III) compounds. *Journal of Fluorine Chemistry*. 11: 57-69.
- DeAthos, SJ. (1995). A preliminary study of the conversion of glycerol to 1,3-propanediol. PhD, Michigan State University.
- Debbabi, KF; Bashandy, MS; Al-Harbi, SA; Aljuhani, EH; Al-Saidi, HM. (2017). Synthesis and molecular docking against dihydrofolate reductase of novel pyridin-N-ethyl-N-methylbenzenesulfonamides as efficient anticancer and antimicrobial agents. *Journal of Molecular Structure*. 1131: 124-135.
- Debella, A; Haslinger, E; Kunert, O; Michl, G; Abebe, D. (1999). Steroidal saponins from *Asparagus africanus*. *Phytochemistry*. 51: 1069-1075.
- Dechene, M; Wink, G; Smith, M; Swartz, P; Mattos, C. (2009). Multiple solvent crystal structures of ribonuclease A: An assessment of the method. *Proteins-Structure Function and Bioinformatics*. 76: 861-881.
- Deepa, HR; Thipperudrappa, J; Suresh, KHM. (2013). Effect of solvents on the spectroscopic properties of LD-489 & LD-473: estimation of ground and excited state dipole moments by solvatochromic shift method. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 108: 288-294.
- Deirram, N; Rahmat, AR. (2012). Hydrolysis Degradation of Polycarbonate Using Different Coâ€solvent Under Microwave Irradiation. *APCBEE Procedia*. 3: 172-176.
- del Barrio, J; Oriol, L; Sanchez, C; Serrano, JL; Di Cicco, A; Keller, P; Li, MH. (2010). Self-Assembly of Linear-Dendritic Diblock Copolymers: From Nanofibers to Polymersomes. *J Am Chem Soc*. 132: 3762-3769.
- Del Bello, F; Barocelli, E; Bertoni, S; Bonifazi, A; Camalli, M; Campi, G; Giannella, M; Matucci, R; Nesi, M; Pignini, M; Quaglia, W; Piergentili, A. (2012). 1,4-Dioxane, a Suitable Scaffold for the Development of Novel M(3) Muscarinic Receptor Antagonists. *J Med Chem*. 55: 1783-1787.
- Del Bello, F; Bonifazi, A; Giannella, M; Giorgioni, G; Piergentili, A; Petrelli, R; Cifani, C; Di Bonaventura, MVM; Keck, TM; Mazzolari, A; Vistoli, G; Cilia, A; Poggesi, E; Matucci, R; Quaglia, W. (2017). The replacement of the 2-methoxy substituent of N-((6,6-diphenyl-1,4-dioxan-2-yl)methyl)-2-(2-methoxyphenoxy)ethan-1-amine improves the selectivity for 5-HT1A receptor over alpha(1)-adrenoceptor and D-2-like receptor subtypes. *Eur J Med Chem*. 125: 233-244.
- Del Bello, F; Sakloth, F; Partilla, JS; Baumann, MH; Glennon, RA. (2015). Ethylenedioxy homologs of N-methyl-(3,4-methylenedioxyphenyl)-2-aminopropane (MDMA) and its corresponding cathinone analog methylenedioxyamphetaminone: Interactions with transporters for serotonin, dopamine, and norepinephrine. *Bioorganic & Medicinal Chemistry*. 23: 5574-5579.

Environmental Hazard Literature Search Results

Off Topic

- Del, VRA. (1993). Automated method for the measurement of fentanyl-induced muscular rigidity. *Pharmacology, biochemistry, and behavior*. 46: 265-268.
- Demchenko, AV; Rousson, E; Boons, GJ. (1999). Stereoselective 1,2-cis-galactosylation assisted by remote neighboring group participation and solvent effects. *Tetrahedron Letters*. 40: 6523-6526.
- Denmark, SE; Yang, SM. (2004). Total synthesis of (+)-brasilenyne. Application of an intramolecular silicon-assisted cross-coupling reaction. *J Am Chem Soc*. 126: 12432-12440.
- Dennis, T; L'Heureux, R; Carter, C; Scatton, B. (1987). Presynaptic alpha-2 adrenoceptors play a major role in the effects of idazoxan on cortical noradrenaline release (as measured by in vivo dialysis) in the rat. *The Journal of pharmacology and experimental therapeutics*. 241: 642-649.
- DeRider, ML; Wilkens, SJ; Waddell, MJ; Bretscher, LE; Weinhold, F; Raines, RT; Markley, JL. (2002). Collagen stability: Insights from NMR spectroscopic and hybrid density functional computational investigations of the effect of electronegative substituents on prolyl ring conformations. *J Am Chem Soc*. 124: 2497-2505.
- Derks, HJGM; Berende, PLM; Olling, M; Everts, H; Liem, AKD; Jong, APJMd. Pharmacokinetic modeling of polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) in cows. *Chemosphere*. Feb 1994. v. 28 (4): 711-715.
- DeRosa, CT; Wilbur, S; Holler, J; Richter, P; Stevens, YW. (1996). Health evaluation of 1,4-dioxane. *Toxicol Ind Health*. 12: 1-43.
- DeRosa, F; Keefer, LK; Hrabie, JA. (2008). Nitric oxide reacts with methoxide. *J Org Chem*. 73: 1139-1142.
- Desai, LV; Zimmer, M. (2004). Substrate selectivity and conformational space available to bromoxynil and acrylonitrile in iron nitrile hydratase. *Dalton Trans*. 21: 872-877.
- Desai, SD. (2009). Ortho substitution effects on the acidic and alkaline hydrolyses of formanilides. PhD, The University of Iowa.
- Desmarets, C; Omar-Amrani, R; Walcarius, A; Lambert, J; Champagne, B; Fort, Y; Schneider, R. (2008). Naphthidine di(radical cation)s-stabilized palladium nanoparticles for efficient catalytic Suzuki-Miyaura cross-coupling reactions. *Tetrahedron*. 64: 372-381.
- DeToranzo, EGD; Marzi, A; Castro, JA. (1981). Effects of Cysteine and Cystamine on the Carbon Tetrachloride Induced Decrease in Arachidonic Acid Content of Rat Liver Microsomal Phospholipids. *TOXICOL*. 19: 77-82.
- Dettenmaier, EM; Doucette, WJ; Bugbee, B. (2009). Chemical Hydrophobicity and Uptake by Plant Roots. *Environmental Science & Technology*. 43: 324-329.
- Dettmer, A; Ball, R; Boving, TB; Khan, NA; Schaub, T; Sudasinghe, N; Fernandez, CA; Carroll, KC. (2017). Stabilization and prolonged reactivity of aqueous-phase ozone with cyclodextrin. *J Contam Hydrol*. 196: 1-9.
- Devi, KVS; Raju, BR; Rao, GN. (2010). Speciation of binary complexes of Ca(II), Mg(II) and Zn(II) with L-dopa in dioxane-water mixtures. *Chem Speciation Bioavailability*. 22: 191-199.
- Dey, T; Ghosh, S; Ghosh, S; Mukherjee, AK. (2015). 5-Arylidene derivatives of Meldrum's acid: Synthesis, structural characterization using single crystal and powder crystal X-ray diffraction, and electronic properties. *Journal of Molecular Structure*. 1092: 51-62.
- Deyoung, DJ. (1984). THE SYNTHESIS AND CHEMISTRY OF THE PRODUCTS OF ADDITION TO SILICON-SILICON DOUBLE-BONDED COMPOUNDS (SILAETHENE, DISILENE, DISILATHIRANE). PhD, The University of Wisconsin - Madison.
- Dias, M; Sa, J; FeliMi. (2008). Blends of poly(3-hydroxybutyrate) and poly(p-dioxanone): miscibility, thermal stability and biocompatibility. *Journal of materials science Materials in medicine*. 19: 3535-3544.
- Diaz Gomez, MI; Castro, JA. (1980). Covalent Binding of Carbon Tetrachloride Metabolites to Liver Nuclear DNA, Proteins, and Lipids. *TOXICOL AND APPL PHARMACOL*. 56: 199-206.
- Diaz-Calleja, R; Sanchis, MJ; Guzman, J; Riande, E. (1998). Comparative study of the relaxation behavior at very low frequencies of acrylate polymers with pendant 1,3-dioxane rings in their structure. *Journal of Applied Physics*. 84: 4436-4442.
- Dibello, Ea; Suescun, L; Seoane, GA; Gamnara, D. Stereoselective de novo synthesis of (5R)-3,4:5,6-di-O-isopropylidene-d-ribo-hexos-5-ulo-5,2-furanose. *Tetrahedron: Asymmetry*.
- Dick, WE; Weisleder, D; Hodge, JE. Dioxolane and dioxane acetal derivatives of D allose: condensation of 3 O benzyl D allose with acetaldehyde. *Carbohydr Res*. 1975, 42 (1): 55-63.
- Diehl, BG. (2014). Preparation and characterization of lignin-protein covalent linkages. PhD, The Pennsylvania State University.
- Dierickx, PJ. (1998). Increased cytotoxic sensitivity of cultured FHM fish cells by simultaneous treatment with sodium dodecyl sulfate and buthionine sulfoximine. *Chemosphere*. 36: 1263-1274.
- Dietz, AC; Schnoor, JL. (2001). Advances in phytoremediation. *Environ Health Perspect*. 109: 163-168.
- Dietz, FK; Stott, WT; Ramsey, JC. (1982). Nonlinear pharmacokinetics and their impact on toxicology: illustrated with dioxane. *Drug metabolism reviews*. 13: 963-981.
- Dilgren, RE. (1959). THE REARRANGEMENT OF ALPHA-PHENYLALYL ALCOHOL IN AQUEOUS DIOXANE. PhD, The University of Wisconsin - Madison.
- Dimmock, JR; Nyathi, CB; Smith, PJ. (1979). Syntheses and bioactivities of 1-(hydroxyphenyl)-1-nonen-3-ones and related ethers and esters. *J Pharm Sci*. 68: 1216-1221.
- Ding, Y; Zhao, W. (2011). The oxidation of pyridine and alcohol using the Keggin-type lacunary polytungstophosphate as a temperature-controlled phase transfer catalyst. *Journal of Molecular Catalysis*. 337: 45-51.
- Dinkelbach, M; Hoenius, M; Steigel, A; Kula, MR. (2001). Fructose-1,6-bisphosphate aldolases from *Staphylococcus carnosus*: Stereoselective enzymatic synthesis of ketose-1-phosphates and successive reaction to 1,3-dioxanes. *Biocatalysis and Biotransformation*. 19: 51-68.
- Dizdar, Z. (1972). Sodium-lithium exchange on synthetic zeolite 4A in water-dioxane mixtures. *Journal of Inorganic and Nuclear Chemistry*. 34: 1069-1081.

Environmental Hazard Literature Search Results

Off Topic

- do Cabo, JL; Faria, HB; Portugal, SGM; Silva, MAA; Brinn, IM. (1999). Excited-state acidity of bifunctional compounds. 7. Long distance, solvent-assisted excited-state proton transfer in olivacine. *Photochem Photobiol.* 69: 664-670.
- Doan, L; Bradley, K; Gerdes, S; Whalen, DL. (1999). Acid-catalyzed phenylcyclohexene oxide hydrolysis: Role of para-phenyl substituent on Syn : Anti hydration ratio. *J Org Chem.* 64: 6227-6234.
- Doan, L; Lin, B; Yagi, H; Jerina, DM; Whalen, DL. (2001). New insights on the mechanisms of the pH-independent reactions of benzo[a]pyrenes 7,8-diol 9,10-epoxides. *J Am Chem Soc.* 123: 6785-6791.
- Doan, L; Whalen, DL. (2006). Effects of conformation on the stereochemistry of solvent attack on benzylic beta-hydroxycarbocations: Mechanisms of epoxide hydrolysis reactions. *J Org Chem.* 71: 7252-7260.
- Doan, L; Yagi, H; Jerina, DM; Whalen, DL. (2004). Synthesis and hydrolysis of a cis-chlorohydrin derived from a benzo a pyrene 7,8-diol 9,10-epoxide. *J Org Chem.* 69: 8012-8017.
- Doan, LX; Lin, B; Yagi, H; Jerina, DM; Whalen, DL. (2001). New insights on the mechanisms of the pH-independent reactions of benzo a pyrene 7,8-diol 9,10-epoxides. *J Am Chem Soc.* 123: 6785-6791.
- Doan, LX; Yagi, H; Jerina, DM; Whalen, DL. (2002). Chloride ion catalyzed conformational inversion of carbocation intermediates in the hydrolysis of a benzo a pyrene 7,8-diol 9,10-epoxide. *J Am Chem Soc.* 124: 14382-14387.
- Dodman, P; Tatlow, JC. (1976). Highly fluorinated heterocycles. Part XII. Some reactions of the heptafluoro-p-dioxanyl anion. *Journal of Fluorine Chemistry.* 8: 263-274.
- Dogan, A; Koseoglu, F; Kilic, E. (2001). The stability constants of copper(II) complexes with some alpha-amino acids in dioxan-water mixtures. *Analytical Biochemistry.* 295: 237-239.
- Doi, S; Yamada, A; Mori, M. (1995). Antagonistic effect of *Trichoderma* spp. isolated from sawdust media of edible fungi against wood decay fungi. *The Journal of pharmacology and experimental therapeutics.* 28: 1993-1994.
- Dolhem, F; Lievre, C; Demailly, G. (2003). Synthesis of glyco-1-ynitols via 1,1-dibromo-1-alkenes from partially and unprotected aldoses. *Tetrahedron.* 59: 155-164.
- Dombre, C; Rigou, P; Chalier, P. (2015). The use of active PET to package rose wine: Changes of aromatic profile by chemical evolution and by transfers. *Food Research International.* 74: 63-71.
- Dombre, C; Rigou, P; Wirth, Jrm; Chalier, P. (2015). Aromatic evolution of wine packed in virgin and recycled PET bottles. *Food Chem.* 176: 376-387.
- Dong, F-X; Xu, C; Tong, X-Z; Wang, X-L; Song, F; Wang, Y-Z. (2013). Thermodynamics and kinetics of Novozym 435 catalyzed ring-opening polymerization of 1,4-dioxan-2-one. *Journal of molecular catalysis.* 96: 40-45.
- Dong, F-X; Zhang, L; Tong, X-Z; Chen, H-B; Wang, X-L; Wang, Y-Z. (2012). Ionic liquid coated lipase: Green synthesis of high molecular weight poly(1,4-dioxan-2-one). *Journal of molecular catalysis.* 77: 46-52.
- Dong, WY; Korber, M; Lopez Esguerra, V; Bodmeier, R. (2006). Stability of poly(D,L-lactide-co-glycolide) and leuprolide acetate in in-situ forming drug delivery systems. *J Control Release.* 115: 158-167.
- Dooley, DJ; Lupp, A; Hertting, G; Osswald, H. (1988). Omega-conotoxin GVIA and pharmacological modulation of hippocampal noradrenaline release. *Eur Eur J Pharmacol.* 148: 261-267.
- Dopp, D; Mohamed, SK; El-Khawaga, A. (2001). 2+2 photocycloaddition of 2-morpholinoprop-2-enitrile to perinaphthenone. *Helvetica Chimica Acta.* 84: 3673-3676.
- Dotsenko, VV; Frolov, KA; Pekhtereva, TM; Papaianina, OS; Suykov, SY; Krivokolysko, SG. (2014). Design and Synthesis of Pyrido 2,1-b 1,3,5 thiadiazine Library via Uncatalyzed Mannich-Type Reaction. *Acs Combinatorial Science.* 16: 543-550.
- Doughty, MB; Chaurasia, CS; Li, K. (1993). Benextramine-neuropeptide Y receptor interactions: contribution of the benzylic moieties to [3H]neuropeptide Y displacement activity. *J Med Chem.* 36: 272-279.
- Dourson, M; Reichard, J; Nance, P; Burlleigh-Flayer, H; Parker, A; Vincent, M; McConnell, EE. (2014). Mode of action analysis for liver tumors from oral 1,4-dioxane exposures and evidence-based dose response assessment. *Regul Toxicol Pharmacol.* 68: 387-401.
- Doxey, JC; Roach, AG; Samuel, J. (1985). Effects of desipramine on stimulation-induced contractions of the vas deferens of rats pretreated either chronically with desipramine or acutely with idazoxan. *Clinical science (London, England : 1979).* 68 Suppl 10: 155s-159s.
- Doyle, MP; Ene, DG; Forbes, DC; Tedrow, JS. (1997). Highly enantioselective oxonium ylide formation and Stevens rearrangement catalyzed by chiral dirhodium(II) carboxamidates. *Tetrahedron Letters.* 38: 4367-4370.
- Doyle, MP; Tedrow, JS; Dyatkin, AB; Spaans, CJ; Ene, DG. (1999). Enantioselective syntheses of 2-deoxyxylono-1,4-lactone and 2-deoxyribo-1,4-lactone from 1,3-dioxan-5-yl diazoacetates. *J Org Chem.* 64: 8907-8915.
- DraÅveviÄš, E; KoÅju Äš, Ki; DananiÄš, V; PavloviÄš, DMi. (2013). Coa ng layer effect on performance of thin f lm nanof ltration membrane in removal of organic solutes. *Separation and Purification Technology.* 118: 530-539.
- Drabent, R; Bryl, K; Smyk, B; Ulbrych, K. (1997). Retinyl palmitate in water environment. *J Photochem Photobiol B.* 37: 254-260.
- Drop, A; Wojtasek, H; FrÅ...ckowiak-Wojtasek, Be. (2014). Stereoselective reactions of a thioester butanediactal with various electrophiles. *Tetrahedron: Asymmetry.* 25: 1396-1400.
- Du, XY; Gellerstedt, G; Li, JB. (2013). Universal fractionation of lignin-carbohydrate complexes (LCCs) from lignocellulosic biomass: an example using spruce wood. *Plant Journal.* 74: 328-338.
- Du, YG; Lin, JH; Linhardt, RJ. (1997). Regioselective synthesis of L-idopyranuronic acid derivatives: Intermolecular aglycon transfer of dithioacetal under standard glycosylation conditions. *Journal of Carbohydrate Chemistry.* 16: 1327-1344.
- Duan, T; Fan, K; Fu, Y; Zhong, C; Chen, X; Peng, T; Qin, J. (2012). Triphenylamine-based organic dyes containing a 1,2,3-triazole bridge for dye-sensitized solar cells via a ÅClickÅ reaction. *Dyes and Pigments.* 94: 28-33.

Environmental Hazard Literature Search Results

Off Topic

- Duarte, VCM; Faustino, HI; Alves, MJ; Gil Fortes, An; Micaelo, N. (2013). Asymmetric Diels-Alder cycloadditions of d-erythrose 1,3-butadienes to achiral t-butyl 2H-azirine 3-carboxylate. *Tetrahedron: Asymmetry*. 24: 1063-1068.
- Dubey, S; Singh, D; Misra, RA. (1998). Enzymatic synthesis and various properties of poly(catechol). *Enzyme Microb Technol*. 23: 432-437.
- Duco, W; Grosso, V; Zaccari, D; Soltermann, AT. (2016). Generation of ROS mediated by mechanical waves (ultrasound) and its possible applications. *Methods*. 109: 141-148.
- Dulphy, H; Gras, J-L; Lejon, T. (1996). Methoxymethylation of tartrate as a strategy for the synthesis of chiral building blocks. *Tetrahedron*. 52: 8517-8524.
- Dumas, AM; Fillion, E. (2010). Meldrum's Acids and 5-Alkylidene Meldrum's Acids in Catalytic Carbon-Carbon Bond-Forming Processes. *Acc Chem Res*. 43: 440-454.
- Dumele, O; Trapp, N; Diederich, F. (2015). Halogen Bonding Molecular Capsules. *Angewandte Chemie-International Edition*. 54: 12339-12344.
- Dumont, A; Jacques, V; Desreux, JF. (2000). New synthons for the synthesis of lanthanide containing macrocyclic Schiff bases featuring substituents available for tethering. *Tetrahedron*. 56: 2043-2052.
- Dunn, RW; Corbett, R. (2012). Yohimbine-induced seizures involve NMDA and GABAergic transmission. *Journal of biomaterials science Polymer edition*. 31: 389-395.
- Dunn, WJ, III; Emery, SL; Glen, WG; Scott, DR. (1989). Preprocessing, variable selection, and classification rules in the application of SIMCA pattern recognition to mass spectral data. *Environ Sci Technol*. 23: 1499-1505.
- Durcan, MJ; Lister, RG; Linnoila, M. (1989). Behavioral effects of alpha 2 adrenoceptor antagonists and their interactions with ethanol in tests of locomotion, exploration and anxiety in mice. *Psychopharmacology*. 97: 189-193.
- Durcan, MJ; Lister, RG; Linnoila, M. (1991). Evidence for central alpha-2 adrenoceptors, not imidazoline binding sites, mediating the ethanol-attenuating properties of alpha-2 adrenoceptor antagonists. *The Journal of pharmacology and experimental therapeutics*. 258: 576-582.
- Durcan, MJ; Morgan, PF; Van, EML; Linnoila, M. (1994). Covariation of alpha 2-adrenoceptor density and function following irreversible antagonism with EEDQ. *Br J Pharmacol*. 112: 855-860.
- Dussault, PH; Davies, DR. (1996). Synthesis of 1,2-dioxanes, 1,2,4-trioxanes, and 1,2,4-trioxepanes via cyclizations of unsaturated hydroperoxyacetals. *Tetrahedron Letters*. 37: 463-466.
- Duzhak, TG; Schwartz, EI; Gulyaeva, LF; Lyakhovich, VV. (2002). Inducer effect on the complex formation between rat liver nuclear proteins and cytochrome P450 2B gene regulatory elements. *Biochemistry Biokhimii*; 67: 1037-1042.
- Dyatkin, AB; Rivero, RA. (1998). The solid phase synthesis of complex propargylamines using the combination of Sonogashira and Mannich reactions. *Tetrahedron Letters*. 39: 3647-3650.
- Dybing, E; Sanner, T; Roelfzema, H; Kroese, D; Tennant, RW. (1997). T25: A simplified carcinogenic potency index: Description of the system and study of correlations between carcinogenic potency and species/site specificity and mutagenicity. *Pharmacology & Toxicology*. 80: 272-279.
- Eaborn, C; Lickiss, PD; Taylor, AD. (1988). The nature of the anchimeric assistance by the acetoxy group in solvolysis of (Me₃Si)₂C(SiMe₂)OCOMe (SiMe₂Cl). *Journal of Organometallic Chemistry*. 338: C27-C29.
- Eberle, D; Ball, R; Boving, TB. (2016). Peroxone activated persulfate treatment of 1,4-dioxane in the presence of chlorinated solvent co-contaminants. *Chemosphere*. 144: 728-735.
- Ebi, GC; Brain, KR; Udeala, OK. (1996). Mannich reaction of 1-n-butyl-3-p-tosylurea .1. Syntheses of 3-n-butyl-2-oxo-1,5-di-p-tosyl-perhydro-1,3,5-triazine and 3,5-di-n-butyl-2-oxo-1-p-tosyl-perhydro-1,3,5-triazine. *Chemical & Pharmaceutical Bulletin*. 44: 639-641.
- Eccles, W; Jasinski, M; Kaszynski, P; Zienkiewicz, K; Stulgies, B; Jankowiak, A. (2008). Reactivity of 13,13-dibromo-2,4,9,11-tetraoxadispiro 5.0.5.1 tridecane toward organolithiums: Remarkable resistance to the DMS rearrangement. *J Org Chem*. 73: 5732-5744.
- Echevarria-Gorostidi, GR; Basagoitia, A; Pizarro, E; Goldsmid, R; Blanco, JGS; Blanco, FG. (1998). Kinetic study of the reaction of pyridoxal 5'-phosphate with hydrazino compounds of pharmacological activity. *Helvetica Chimica Acta*. 81: 837-844.
- Echigo, S; Nakatsuji, M; Takabe, Y; Itoh, S. (2015). Effect of preozonation on wastewater reclamation by the combination of ozonation and soil aquifer treatment. *Water Science and Technology-Water Supply*. 15: 101-106.
- Edwards, FG; Egemen, E; Brennan, R; Nirmalakhandan, N. (1999). Ranking of Toxics Release Inventory chemicals using a Level III fugacity model and toxicity. *Water Science And Technology*. 39: 83-90.
- Effenberger, F; Straub, A. (1987). A novel convenient preparation of dihydroxyacetone phosphate and its use in enzymatic aldol reactions. *Tetrahedron Letters*. 28: 1641-1644.
- Egorov, MP; Basova, AA; Gal'aminas, AM; Nefedov, OM; Moiseeva, AA; Rakhimov, RD; Butin, KP. (1999). Electrochemistry of complexes of dichlorogermylene and dihalostannylenes with chromium, molybdenum, and tungsten pentacarbonyls. *Journal of Organometallic Chemistry*. 574: 279-285.
- Eichenbaum, G; Zhou, J; Kelley, MF; Roosen, W; Costa-Giomi, P; Loudon, C; Di, PNA; Pandina, G; Singh, JB; Ford, L; Moyer, JA; Nork, TM; Ver, HJN; Aguirre, GD. (2014). Implications of retinal effects observed in chronic toxicity studies on the clinical development of a CNS-active drug candidate. *Regulatory toxicology and pharmacology : RTP*. 69: 187-200.
- El Aasr, M; Oshiro, Y; Fujiwara, Y; Miyashita, H; Ikeda, T; Ono, M; Yoshimitsu, H; Nohara, T. (2008). Conversion of esculeoside A into esculeogenin B. *Chemical & Pharmaceutical Bulletin*. 56: 926-929.
- El Akkaoui, A; Hiebel, MA; Mouaddib, A; Berteina-Raboin, S; Guillaumet, G. (2012). Straightforward Bienayme and copper catalyzed N-arylation sequence to access diverse 5H-pyrido 2',1':2,3 imidazo 4,5-b indoles and analogues. *Tetrahedron*. 68: 9131-9138.
- El Ashry, ESH; Rashed, N; Shobier, AHS. (2000). Glycosidase inhibitors and their chemotherapeutic value, part 3. *Pharmazie*. 55: 403-415.

Environmental Hazard Literature Search Results

Off Topic

- El Maatougui, A; Azuaje, J; Coelho, A; Cano, E; Yanez, M; Lopez, C; Yaziji, V; Carbajales, C; Sotelo, E. (2012). Discovery and Preliminary SAR of 5-Arylidene-2,2-Dimethyl-1,3-Dioxane-4,6-Diones as Platelet Aggregation Inhibitors. *Comb Chem High Throughput Screen*. 15: 551-554.
- El Nemr, A; Tsuchiya, T. (1998). A convenient method for deuteration at the alpha position of an oxo group in carbohydrates. *Tetrahedron Letters*. 39: 3543-3546.
- Elased, KM; Furman, BL. (1994). Acute stress-induced hyperinsulinemia in the pertussis toxin-treated rat: possible role of humoral beta-cell-tropic factors. *Metabolism: clinical and experimental*. 43: 1221-1225.
- Elbeih, IIM; Abou-elnaga, MA. (1958). A new method - based on paper chromatography - for the estimation of thorium and uranium in monazite. *Anal Chim Acta*. 19: 123-128.
- El-Daly, SA; Gaber, M; El-Sayed, YS. (2009). Photophysical parameters and laser performance of 3-(4'-dimethylaminophenyl)-1-(2-furanyl)prop-2-en-1-one (DMAFP): A new laser dye. *Optics and Laser Technology*. 41: 727-733.
- El-Gaby, MSA; Ali, G; El-Maghraby, AA; El-Rahman, MTA; Helal, MHM. (2009). Synthesis, characterization and in vitro antimicrobial activity of novel 2-thioxo-4-thiazolidinones and 4,4'-bis(2-thioxo-4-thiazolidinone-3-yl)diphenylsulfones. *Eur J Med Chem*. 44: 4148-4152.
- El-Gaby, MSA; Zahran, MA; Ismail, MMF; Ammar, YA. (2000). A novel synthesis of dibenzo c,f chromenes, dibenzo c,h chromenes and benzo 7,8 chromeno 3,4-f isoindoles as antimicrobial agents. *Farmaco*. 55: 227-232.
- El-Gammal, OA; Abu, E-RGM; El-Gamil, MM. (2012). Binuclear copper(II), cobalt(II) and nickel(II) complexes of N1-ethyl-N2-(pyridin-2-yl)hydrazine-1,2-bis(carbothioamide): structural, spectral, pH-metric and biological studies. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 96: 444-455.
- Eliel, EL; Pietrusiewicz, KM; Jewell, LM. (1979). O-17 NMR spectra of ring compounds. Correlation of 17O and 13C methyl substitution parameters. *Tetrahedron Letters*. 20: 3649-3652.
- El-Kashef, H. (1998). Macroscopic and microscopic parameters of laser dye solvents: m-xylene and dioxane. *Optics and Laser Technology*. 30: 367-375.
- Eller, GA; Habicht, D; Holzer, W. (2008). Synthesis of a novel pentacycle: 8-Methyl-10-phenylpyrazolo[4',3':5,6]-pyrano[3,2-c]-[1,10]phenanthroline-7(10H)-one. *Chemistry of heterocyclic compounds*. 44: 709-714.
- Eller, GA; Wimmer, V; Haring, AW; Holzer, W. (2006). An efficient approach to heterocyclic analogues of xanthone: A short synthesis of all possible pyrido 5,6 pyrano 2,3-c pyrazol-4(1H)-ones. *Synthesis-Stuttgart*4219-4229.
- Elliott, M; Pulman, DA; Larkin, JP; Casida, JE. Insecticidal 1,3-dithianes. *J Agric Food Chem*. Jan 1992. v. 40 (1): 147-151.
- Ellis, MJ; Chaudhuri, JB. (2007). Poly(lactic-co-glycolic acid) hollow fibre membranes for use as a tissue engineering scaffold. *Biotechnol Bioeng*. 96: 177-187.
- El-Mossaamy, EH; Obaid, AY; El-Daly, SA. (2011). Photophysical parameters and fluorescence quenching of 7-diethylaminocoumarin (DEAC) laser dye. *Optics and Laser Technology*. 43: 1078-1083.
- El-Sedik, M; Almonasy, N; NepraÅi, M; BureÅi, F; DvoÅ™Åjk, M; Michl, M; ĀCermÅik, J; Hrdina, R. (2012). Synthesis, absorption and fluorescence properties of N-triazinyl derivatives of 2-aminoanthracene. *Dyes and Pigments*. 92: 1126-1131.
- Elumalai, K; Ali, MA; Elumalai, M; Eluri, K; Srinivasan, S; Mohanti, SK; Thota, A. (2013). Design, synthesis and biological evaluation of some novel isoniazid cyclocondensed azetidiones. *Drug Invention Today*. 5: 100-104.
- Enders, D; Breuer, I; Drosdow, E. (2005). Asymmetric synthesis of 4'-epi-trachycladines A and B. *Synthesis-Stuttgart*3239-3244.
- Enders, D; Breuer, I; Raabe, G. (2005). Asymmetric synthesis of 2-keto-1,3-diols and protected 1,2,3-triols bearing two quaternary stereocenters. *Synthesis-Stuttgart*3517-3530.
- Enders, D; Grondal, C. (2005). Direct organocatalytic de novo synthesis of carbohydrates. *Angewandte Chemie-International Edition*. 44: 1210-1212.
- Enders, D; Grondal, C; Vrettou, M. (2006). Efficient entry to amino sugars and derivatives via asymmetric organocatalytic Mannich reactions. *Synthesis-Stuttgart*3597-3604.
- Enders, D; Hundertmark, T. (1999). Iterative asymmetric synthesis of protected anti-1,3-polyols. *Tetrahedron Letters*. 40: 4169-4172.
- Enders, D; Ince, SJ. (2002). Chiral dihydroxyacetone equivalents in synthesis: An expedient diastereo- and enantioselective synthesis of differentially protected ketopolyols. *Synthesis-Stuttgart*619-624.
- Enders, D; Kirchhoff, JH. (2000). Asymmetric total synthesis of (+)-2-epi-deoxopropopinine. *Synthesis-Stuttgart*2099-2105.
- Enders, D; Kownatka, D; Hundertmark, T; Prokopenko, OF; Runsink, J. (1997). Asymmetric Michael additions via 2,2-dimethyl-1,3-dioxan-5-one SAMP-hydrazone. Diastereo- and enantioselective synthesis of protected 3-substituted 4,6-dihydroxy-5-oxo esters. *Synthesis-Stuttgart*649-+.
- Enders, D; Meyer, I; Runsink, J; Raabe, G. (1998). Diastereoselective 1,3-dipolar cycloadditions with enantiopure azomethine ylids. *Tetrahedron*. 54: 10733-10752.
- Enders, D; Narine, AA. (2008). Lessons from nature: Biomimetic organocatalytic carbon-carbon bond formations. *J Org Chem*. 73: 7857-7870.
- Enders, D; Nuhring, A; Runsink, J; Raabe, G. (2001). Asymmetric synthesis of protected 2-keto-1,3-diol and 1,2,3-triol building blocks bearing a quaternary stereogenic center. *Synthesis-Stuttgart*1406-1414.
- Enders, D; Peiffer, E; Raabe, G. (2007). Asymmetric synthesis of (S,S)- and (R,R)-2-methylthreitol. *Synthesis-Stuttgart*1021-1026.
- Enders, D; Reichenbach, LF. (2013). Asymmetric Synthesis of Synargentolide A and Its 3-Epimer Using the RAMP-Hydrazone Methodology. *Synthesis-Stuttgart*. 45: 959-965.
- Enders, D; Terteryan, V; Palecek, J. (2008). Asymmetric synthesis of jaspine B (pachastrissamine) via an organocatalytic aldol reaction as key step. *Synthesis-Stuttgart*2278-2282.
- Enders, D; Terteryan, V; Palecek, J. (2010). Asymmetric Synthesis of the alpha-D-Galactosyl Ceramide KRN7000 via an Organocatalytic Aldol Reaction as Key Step. *Synthesis-Stuttgart*2979-2984.

Environmental Hazard Literature Search Results

Off Topic

- Enders, D; Thomas, CR; Runsink, J. (1999). 5-Amino-4-aryl-2,2-dimethyl-1,3-dioxans: application as chiral NMR shift reagents and derivatizing agents for acidic compounds. *Tetrahedron: Asymmetry*. 10: 323-326.
- Enders, D; Thomas, CR; Vignola, N; Raabe, G. (2002). Asymmetric synthesis of alpha-substituted N-methylsulfonamides. *Helvetica Chimica Acta*. 85: 3657-3677.
- Enders, D; Voith, M. (2002). Asymmetric synthesis of monoprotected double allylic alcohols. *Synthesis-Stuttgart*1571-1577.
- Enders, D; Voith, M; Ince, SJ. (2002). Preparation and reactions of 2,2-dimethyl-1,3-dioxan-5-one-SAMP-hydrazone: A versatile chiral dihydroxyacetone equivalent. *Synthesis-Stuttgart*1775-1779.
- Engberts, JBFN; Zwanenburg, B. (1968). Mechanism of reactions of \pm -diazosulfones: III : Further study of the acid-catalysed hydrolysis of aryl- and alkylsulfonyldiazomethanes. *Tetrahedron*. 24: 1737-1754.
- Engel, JA; Johannessen, K; Liljequist, S; Goldstein, M. (1986). Activation of alpha 2-adrenoreceptors enhances haloperidol-induced suppression of operant behavior. *Journal of neural transmission*. 66: 107-120.
- Engelberg, I; Kohn, J. (1991). Physico-mechanical properties of degradable polymers used in medical applications: a comparative study. *Biomaterials*. 12: 292-304.
- Engewald, W; Mählstädt, M; Weiss, C. (1971). Wasserstoff-isotopen austauschreaktionen nichtbenzoider aromaten: VII : Quantitative reaktivitätsmessungen an einigen bicyclischen 10- ϵ -elektronen verbindungen. *Tetrahedron*. 27: 4171-4178.
- Erb, W; Neuville, L; Zhu, JP. (2009). Ugi-Post Functionalization, from a Single Set of Ugi-Adducts to Two Distinct Heterocycles by Microwave-Assisted Palladium-Catalyzed Cyclizations: Tuning the Reaction Pathways by Ligand Switch. *J Org Chem*. 74: 3109-3115.
- Ergan, BT; Bayramoğlu, M; Özcan, S. (2015). Experimental data in support of continuous microwave effect on emulsion polymerization of styrene. *Data in Brief*. 4: 454-460.
- Erney, D. (2008). Natural or not? *Organic gardening*. 55: 44-45.
- Erol, I; Arslan, O. (2013). Copolymers of novel methacrylic and styrenic monomer based on the thiophene: synthesis, characterization, monomer reactivity ratios, thermal properties, and biological activity. *Journal of Biomaterials Science-Polymer Edition*. 24: 1198-1218.
- Erol, I; Sahin, B. (2015). Functional styrenic copolymer based on 2-(dimethylamino)ethyl methacrylate: Reactivity ratios, biological activity thermal properties and semi-conducting properties. *Journal of Fluorine Chemistry*. 178: 154-164.
- Erten, H; Soykan, C. (2014). Synthesis and characterization of novel poly (p-methyl styrene) containing azetidine moieties and their optical and semiconducting properties. *Materials Science in Semiconductor Processing*. 24: 83-89.
- Erustes, JA; Andrade-Eiroa, A; Cladera, A; Forteza, R; Cerda, V. (2001). Fast sequential injection determination of benzo A pyrene using variable angle fluorescence with on-line solid-phase extraction. *Analyst*. 126: 451-456.
- Eshkiki, RB; Mortha, G; Lachenal, D. (2007). A new method for the titration of free phenolic groups in pulps. *Holzforschung*. 61: 242-246.
- Estan, L; Senard, JM; Tran, MA; Montastruc, JL; Berlan, M. (1990). Reserpine induces vascular alpha 2-adrenergic supersensitivity and platelet alpha 2-adrenoceptor up-regulation in dog. *Br J Pharmacol*. 101.
- Estevam, IHS; da Silva, MF; Bieber, LW. (2005). Aminomethylation of organic halides promoted by zinc in protic medium. *Tetrahedron Letters*. 46: 7601-7604.
- Evanno, L; Deville, A; Dubost, L; Chiaroni, A; Bodo, B; Nay, B. (2007). Utility of a chiral 1,3-dioxane template in stereoselective intramolecular Diels-Alder reactions. *Tetrahedron Letters*. 48: 2893-2896.
- Evans, RG; Anderson, WP. (1995). Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system alpha 2-adrenoceptors. *Br J Pharmacol*. 116: 1557-1570.
- Evidente, A; Cimmino, A; Andolfi, A; Vurr, D-DdSdPdAedPAUdNFIIUPLleu; Motta, A. (2008). Phyllostoxin and phyllostin, bioactive metabolites produced by *Phyllosticta cirsii*, a potential mycoherbicide for *Cirsium arvense* biocontrol. *J Agric Food Chem*. 3: 884-888.
- Evtuguin, DV; Neto, CP; Silva, AMS; Domingues, PM; Amado, FML; Robert, D; Faix, O. (2001). Comprehensive study on the chemical structure of dioxane lignin from plantation *Eucalyptus globulus* wood. *J Agric Food Chem*. 49: 4252-4261.
- Eyler, GN; Canizo, AI; Mateo, CM; Alvarez, EE; Cafferata, LFR. (1999). Solvent effect in the thermal decomposition reaction of trans-3,3-dimethyl-5,6-tetramethylene-1,2,4-trioxacyclohexane. *J Org Chem*. 64: 8457-8460.
- Faff, J; Woli, ski, J; Bandolet, J; Widy-Tyszkiewicz, E; Szreniawski, Z. (1978). Preliminary screening of anticholinergic effect of new 1,3-dioxolane and 1,3-dioxane derivatives. *Polish journal of pharmacology and pharmacy*. 30: 493-496.
- Fairley, A; Linton, EC; Ford-Moore, AH. (1934). The Toxicity to Animals of 1:4 Dioxan. *The Journal of hygiene*. 34: 486-501.
- Fairley, A; Linton, EC; Ford-Moore, AH. (1936). Note on the Toxicity to Animals of some Oxidation Products of 1:4 Dioxan. *The Journal of hygiene*. 36: 341-347.
- Faix, O; Stevanovic-Janezic, T; Lundquist, K. The lignin of the diffuse porous angiosperm tree *Triplochyton scleroxylon* K. Schum with low syringyl content. *Journal of Wood Chemistry and Technology*. 1994. v. 14 (2): 263-278.
- Falco, EE; Coates, EE; Li, E; Roth, JS; Fisher, JP. (2011). Fabrication and characterization of porous EH scaffolds and EH-PEG bilayers. *Journal of Biomedical Materials Research Part A*. 97A: 264-271.
- Faldu, VJ; Talpara, PK; Shah, VH. (2014). Efficient synthesis of diversely substituted pyrimidines by palladium catalyzed Suzuki-Miyaura coupling. *Tetrahedron Letters*. 55: 1456-1460.
- Falentin, C; Beupere, D; Demailly, G; Stasik, I. (2009). Efficient synthesis of new N-alkyl-D-ribo-1,5-lactams from D-ribo-1,4-lactone. *Tetrahedron Letters*. 50: 5364-5366.
- Falentin-Daudre, C; Beupere, D; Stasik-Boutbaiba, I. (2010). Synthesis of new N-substituted 3,4,5-trihydropiperidin-2-ones from D-ribo-1,4-lactone. *Carbohydr Res*. 345: 1983-1987.
- Falkay, G; Sachan, SR; Soman, SD. (2003). Decontamination and recovery of 1,4 dioxane-based liquid scintillator. *Mol Hum Reprod*. 9: 67-68.

Environmental Hazard Literature Search Results

Off Topic

- Fan, MJ; Li, GQ; Liang, YM. (2006). DABCO catalyzed reaction of various nucleophiles with activated alkynes leading to the formation of alkenoic acid esters, 1,4-dioxane, morpholine, and piperazinone derivatives. *Tetrahedron*. 62: 6782-6791.
- Fan, W; Kubota, Y; Tatsumi, T. (2008). Oxidation of 1,4-dioxane over Ti-MWW in the presence of H₂O₂. *ChemSusChem*. 1: 175-178.
- Fan, YM; Gao, JM; Chen, Y. (2010). Colour responses of black locust (*Robinia pseudoacacia* L.) to solvent extraction and heat treatment. *Wood Science and Technology*. 44: 667-678.
- Fander, U; Haas, W; Kroener, H. (1982). The Damage of the Hepatic Mixed Functional Oxygenase System by CCl₄: Significance of Incorporation of super(14)CCl₄ Metabolites in vivo. *Experimental and Molecular Pathology*. 36: 34-43.
- Fang, YW; Li, CZ. (2006). O-arylation versus C-arylation: Copper-catalyzed intramolecular coupling of aryl bromides with 1,3-dicarbonyls. *J Org Chem*. 71: 6427-6431.
- Farag, AM; Dawood, KM; Abdelhamid, AO. (1997). Synthesis and reactivity of benzothiazol-2-ylcarbonylhydroximoyl chloride, a versatile synthon. *Tetrahedron*. 53: 17461-17468.
- Faraglia, G; Rossotti, FJC; Rossotti, HS. (1970). Potentiometric studies in mixed solvents, II Complexes of Nickel(II), Copper(II) and zinc(II) with pyridine, ethylenediamine and glycine. *Inorganica Chimica Acta*. 4: 488-492.
- Faraldos, JA; Coates, RM; Giner, JL. (2013). Alternative Synthesis of the Colorado Potato Beetle Pheromone. *J Org Chem*. 78: 10548-10554.
- Farghaly, TA; Abdallah, MA; Masaret, GS; Muhammad, ZA. (2015). New and efficient approach for synthesis of novel bioactive 1,3,4 thiazoles incorporated with 1,3-thiazole moiety. *Eur J Med Chem*. 97: 320-333.
- Fargher, M; Hedberg, L; Hedberg, K. (2014). The molecular structure of gaseous 1,4-dioxane: An electron-diffraction reinvestigation aided by theoretical calculations. *Journal of Molecular Structure*. 1071: 41-44.
- Farine, JP; Everaerts, C; Le Quere, JL; Semon, E; Henry, R; Brossut, R. The defensive secretion of *Eurycotis floridana* (Dictyoptera, Blattidae, Polyzoisteriinae): chemical identification and evidence of an alarm function. *Insect biochemistry and molecular biology*. June 1997. v. 27 (6): 577-586.
- Farjam, A; Greven, J. (1989). Effects of the alpha 2-adrenoceptor antagonists yohimbine and idazoxan on kidney function in intact and diabetes insipidus rats. *Urologia internationalis*. 44: 255-259.
- Farley, D. Chemicals: We'd rather dine without. FDA. Nov 1988.: 18-23 ill , charts.
- Fasching, M; Schroder, P; Wollboldt, RP; Weber, HK; Sixta, H. (2008). A new and facile method for isolation of lignin from wood based on complete wood dissolution. *Holzforschung*. 62: 15-23.
- Fasoli, E; Ferrer, A; Barletta, GL. (2009). Hydrogen/Deuterium Exchange Study of Subtilisin Carlsberg During Prolonged Exposure to Organic Solvents. *Biotechnol Bioeng*. 102: 1025-1032.
- Fatima, A; Husain, Q. (2007). Polyclonal antibodies mediated immobilization of a peroxidase from ammonium sulphate fractionated bitter melon (*Momordica charantia*) proteins. *Biomolecular Engineering*. 24: 223-230.
- Fattorusso, C; Campiani, G; Catalanotti, B; Persico, M; Basilio, N; Parapini, S; Taramelli, D; Campagnuolo, C; Fattorusso, E; Romano, A; Tagliatalata-Scafati, O. (2006). Endoperoxide derivatives from marine organisms: 1,2-dioxanes of the plakortin family as novel antimalarial agents. *J Med Chem*. 49: 7088-7094.
- Fattorusso, C; Persico, M; Basilio, N; Taramelli, D; Fattorusso, E; Scala, F; Tagliatalata-Scafati, O. (2011). Antimalarials based on the dioxane scaffold of plakortin. A concise synthesis and SAR studies. *Bioorganic & Medicinal Chemistry*. 19: 312-320.
- Fattorusso, C; Persico, M; Calcinaï, B; Cerrano, C; Parapini, S; Taramelli, D; Novellino, E; Romano, A; Scala, F; Fattorusso, E; Tagliatalata-Scafati, O. (2010). Manadoperoxides A-D from the Indonesian Sponge *Plakortis* cfr. *simplex*. Further Insights on the Structure-Activity Relationships of Simple 1,2-Dioxane Antimalarials. *J Nat Prod*. 73: 1138-1145.
- Faull, AW; Gaskin, H; Hadfield, PS; Jessup, R; Russell, K; Watkins, WJ; Wayne, M. (1992). Dual-acting thromboxane receptor antagonist/synthase inhibitors: heterocyclic variations. *Bioorganic & Medicinal Chemistry Letters*. 2: 1181-1186.
- Feng, EG; Huang, H; Zhou, Y; Ye, DJ; Jiang, HL; Liu, H. (2010). Metal-Free Synthesis of 2-Substituted (N, O, C) Benzothiazoles via an Intramolecular C-S Bond Formation. *J Comb Chem*. 12: 422-429.
- Feng, X; Taton, D; Ibarboure, E; Chaikof, EL; Gnanou, Y. (2008). Janus-type dendrimer-like poly(ethylene oxide)s. *J Am Chem Soc*. 130: 11662-11676.
- Ferber, Bt; Top, S; Jaouen, Gr. (2004). Introduction of a planar chirality onto steroid substrates: synthesis of (S) and (R)-2- β -formylcymantrenyl-17 β -ethynylestradiols using (S) and (R)-1-formyl-2-iodo-cymantrenes. *Journal of Organometallic Chemistry*. 689: 4872-4876.
- Fern, SE; Heath, P; Cobb, AJA. (2011). Aldol reaction of butane-2,3-diacetal protected methyl glycerate. *Tetrahedron: Asymmetry*. 22: 149-152.
- Fernandez, I; Robert, A. (2011). Peroxide bond strength of antimalarial drugs containing an endoperoxide cycle. Relation with biological activity. *Organic & Biomolecular Chemistry*. 9: 4098-4107.
- Fernandez-Lorente, G; Palomo, JM; Mateo, C; Guisan, JM; Fernandez-Lafuente, R. (2004). Resolution of paroxetine precursor using different lipases - Influence of the reaction conditions on the enantio selectivity of lipases. *Enzyme Microb Technol*. 34: 264-269.
- Fernandez-Perez, M; Otero, C. (2003). Selective enzymatic synthesis of amide surfactants from diethanolamine. *Enzyme Microb Technol*. 33: 650-660.
- Ferrari, F; Pelloni, F; Giuliani, D. (1993). Behavioural evidence that different neurochemical mechanisms underly stretching-yawning and penile erection induced in male rats by SND 919, a new selective D2 dopamine receptor agonist. *Psychopharmacology*. 113: 172-176.
- Ferraz, A; Duran, N. (1995). Lignin degradation during softwood decaying by the ascomycete *Chrysonilia sitophila*. *Biodegradation*. 6: 265-274.
- Ferreira, ACdS; Barbe, JC; Bertrand, A. Heterocyclic acetals from glycerol and acetaldehyde in port wines: evolution with aging. *J Agric Food Chem*. Apr 24, 2002. v. 50 (9): 2560-2564.
- Ferreira, D; Marais, JPI; Slade, D. (2005). Heterogeneity of the interflavanyl bond in proanthocyanidins from natural sources lacking C-4 (C-ring) deoxy flavonoid nucleophiles. *Phytochemistry*. 66: 2216-2237.

Environmental Hazard Literature Search Results

Off Topic

- Ferro, AM; Kennedy, J; LaRue, JC. (2013). PHYTOREMEDIATION OF 1,4-DIOXANE-CONTAINING RECOVERED GROUNDWATER. *Int J Phytoremediation*. 15: 911-923.
- Fetter, J; Nagy, I; Giang, LT; Kajtar-Peredy, M; Rockenbauer, A; Korecz, L; Czira, G. (2001). The reaction of 2-(tetrazol-5-yl)alkyl ketones and of 2-(tetrazol-5-yl)alkanoic acid derivatives with lead tetraacetate. A novel method of preparation of alk-2-ynyl ketones and alk-2-ynoic acid derivatives. *Journal of the Chemical Society-Perkin Transactions* 11131-1139.
- Finzel, RB. (1982). I. HOMOALLYLIC PARTICIPATION IN CYCLOPENT-3-ENYL TOSYLATE. II. SOLVOLYSIS OF CIS- AND TRANS-2-TRIMETHYLSILYL-CYCLOHEXYL TRIFLUOROACETATE. PhD, Northwestern University.
- Fiserova-Bergerova, V; Pierce, JT; Droz, PO. (1990). Dermal absorption potential of industrial chemicals: Criteria for skin notation. *Am J Ind Med*. 17: 617-636.
- Fitzell, DL; Hsieh, DP; Yao, RC; La, MGN. (1975). Biosynthesis of averufin from acetate by *Aspergillus parasiticus*. *J Agric Food Chem*. 23: 442-444.
- Fleming, JJ; England, PM. (2010). Developing a complete pharmacology for AMPA receptors: A perspective on subtype-selective ligands. *Bioorganic & Medicinal Chemistry*. 18: 1381-1387.
- Floch, A; Advenier, C. (1985). Alpha-blocking properties of idazoxan (170150 or RX 781094) and its stereoisomers: applications to bronchomotricity. *Journal de pharmacologie*. 16: 291-297.
- Florence, AJ; Johnston, A; Price, SL; Nowell, H; Kennedy, AR; Shankland, N. (2006). An automated parallel crystallisation search for predicted crystal structures and packing motifs of carbamazepine. *J Pharm Sci*. 95: 1918-1930.
- Fokken, S; Reichwald, F; Spaniol, TP; Okuda, J. (2002). Dialkyl titanium complexes that contain a sulfur-linked bis(phenolato) ligand:: The structure of an olefin polymerization catalyst precursor. *Journal of Organometallic Chemistry*. 663: 158-163.
- Follenius-Wund, A; Bourotte, M; Schmitt, M; Ilyce, F; Lami, H; Bourguignon, JJ; Haiech, J; Pigault, C. (2003). Fluorescent derivatives of the GFP chromophore give a new insight into the GFP fluorescence process. *Biophysical Journal*. 85: 1839-1850.
- Fondjo, ES; Dopp, D; Henkel, G. (2006). Reactions of some anellated 2-aminothiophenes with electron poor acetylenes. *Tetrahedron*. 62: 7121-7131.
- Fontana, A; Ishibashi, M; Shigemori, H; Kobayashi, J. (1998). New cyclic polyketide peroxides from Okinawan marine sponge *Plakortis* sp. *J Nat Prod*. 61: 1427-1429.
- Forgacs, E; Cserhati, T. (1998). Relationship between retention characteristics and physicochemical parameters of solutes on porous graphitized carbon column. *J Pharm Biomed Anal*. 18: 505-510.
- Forti, FL; Bet, MR; Goissis, G; Plepis, AMG. (2011). 1,4-Dioxane enhances properties and biocompatibility of polyanionic collagen for tissue engineering applications. *Journal of Materials Science-Materials in Medicine*. 22: 1901-1912.
- Forti, FL; Plepis, AM. (2006). Modifications on collagen structures promoted by 1,4-dioxane improve thermal and biological properties of bovine pericardium as a biomaterial. *J Biomater Appl*. 20: 267-285.
- Foulard, GI; Brigaud, T; Portella, C. (1996). Sequential radical perfluoroalkylation - nucleophilic cyclization. Synthesis of 2-perfluoroalkylidenemethyl and 2-perfluoroalkylmethyl-1,4-dioxanes from 1-O-allyl-1,2-diols. *Tetrahedron*. 52: 6187-6200.
- Fowles, GW; Rice, DA; Sheehan, TG. (1977). The reaction of RTiBr_3 (R = methyl, phenyl and p-tolyl) with some monodentate and bidentate ligands. *Journal of Organometallic Chemistry*. 135: 321-326.
- Frank, H; Haussmann, HJ; Remmer, H. (1982). Metabolic Activation of Carbon Tetrachloride: Induction of Cytochrome P-450 With Phenobarbital or 3-Methylcholanthrene and its Effect on Covalent Binding. *Chem Biol Interact*. 40: 193-208.
- Franke, U; Munk, A; Wiese, M. (1999). Ionization constants and distribution coefficients of phenothiazines and calcium channel antagonists determined by a pH-metric method and correlation with calculated partition coefficients. *J Pharm Sci*. 88: 89-95.
- Frankhuijzen, AL. (1975). Analysis of ergotamine - 5-HT interaction on the isolated rat stomach preparation. *Eur J Pharmacol*. 30: 205-212.
- Frassoldati, A; Pinel, C; Besson, MI. (2011). Promoting effect of water for aliphatic primary and secondary alcohol oxidation over platinum catalysts in dioxane/aqueous solution media. *Catalysis Today*. 173: 81-88.
- Frassoldati, A; Pinel, C; Besson, MI. (2013). Aerobic oxidation of secondary pyridine-derivative alcohols in the presence of carbon-supported noble metal catalysts. *Catalysis Today*. 203: 133-138.
- Frauenrath, H; Reim, S; Wiesner, A. (1998). Asymmetric double-bond isomerization of cyclic allyl acetals by using diop and chiraphos modified nickel complexes. *Tetrahedron: Asymmetry*. 9: 1103-1106.
- Fredholm, BB; Hu, PS. (1993). Effect of an intracellular calcium chelator on the regulation of electrically evoked [3H]-noradrenaline release from rat hippocampal slices. *Br J Pharmacol*. 108: 126-131.
- Freer, R; Geen, GR; Ramsay, TW; Share, AC; Slater, GR; Smith, NM. (2000). A new route to famciclovir via palladium catalysed allylation. *Tetrahedron*. 56: 4589-4595.
- French, AD; Jeffrey, GA; Pfeffer, P; Dudley, RL; Yeon, Y; Nitsch, E. An NMR, X-ray crystal structure, and molecular mechanics study of di-(3-deoxy-D-glycero-pentulose) 1,2':2,1' dianhydride. *Carbohydr Res*. July 4, 1994. v. 260 (1): 1-15.
- Frenna, V; Macaluso, G; Consiglio, G; Cosimelli, B; Spinelli, D. (1999). Mononuclear heterocyclic rearrangements. Part 16. Kinetic study of the rearrangement of some ortho-substituted Z-phenylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in dioxane-water and in benzene. *Tetrahedron*. 55: 12885-12896.
- Frenna, V; Piccionello, AP; Spinelli, D; Ghelfi, F. (2015). On the rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenylisoxazoles into 2-aryl-4-phenacyl-2H-1,2,3-triazoles: a kinetic study of the substituent effects in Boulton-Katritzky reactions. *Tetrahedron*. 71: 7315-7322.
- Friederichs, M; Fraenzle, O; Salski, A. (1996). Fuzzy clustering of existing chemicals according to their ecotoxicological properties. *Ecological Modelling*. 85: 27-40.

Environmental Hazard Literature Search Results

Off Topic

- Frisk-Holmberg, M. (1984). Effect of clonidine at steady state on blood pressure in spontaneously hypertensive rats. Interaction of various alpha-adrenoceptor antagonists. *Acta physiologica Scandinavica*. 120: 37-42.
- Frydrych, M; RomÅin, S; MacNeil, S; Chen, B. (2015). Biomimetic poly(glycerol sebacate)/poly(L-lactic acid) blend scaffolds for adipose tissue engineering. *Acta Biomater*. 18: 40-49.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. *Journal of Biomedical Materials Research Part B-Applied Biomaterials*. 86B: 125-135.
- Fu, Q; Rahaman, MN; Dogan, F; Bal, BS. (2008). Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. *Journal of Biomedical Materials Research Part B-Applied Biomaterials*. 86B: 514-522.
- Fuentes, M; Mateo, C; Fernandez-Lafuente, R; Guisan, JM. (2005). Aldehyde-dextran-protein conjugates to immobilize amino-haptens: avoiding cross-reactions in the immunodetection. *Enzyme Microb Technol*. 36: 510-513.
- Fuentes, M; Mateo, C; Pessela, BCC; Guisan, JM; Fernandez-Lafuente, R. (2005). Purification, stabilization, and concentration of very weak protein-protein complexes: Shifting the association equilibrium via complex selective adsorption on lowly activated supports. *Proteomics*. 5: 4062-4069.
- Fuentes, M; Palomo, JM; Mateo, C; Venteo, A; Sanz, A; Fernandez-Lafuente, R; Guisan, JM. (2005). Optimization of the modification of carrier proteins with aminated haptens. *Journal of Immunological Methods*. 307: 144-149.
- Fujii, H; Watanabe, A; Nemoto, T; Narita, M; Miyoshi, K; Nakamura, A; Suzuki, T; Nagase, H. (2009). Synthesis of novel twin drug consisting of 8-oxaendoethanotetrahydromorphides with a 1,4-dioxane spacer and its pharmacological activities: mu, kappa, and putative epsilon opioid receptor antagonists. *Bioorganic & Medicinal Chemistry Letters*. 19: 438-441.
- Fujii, T; Terao, K; Tsuda, M; Kitamura, S; Norisuye, T. (2009). Solvent-Dependent Conformation of Amylose Tris(phenylcarbamate) as Deduced from Scattering and Viscosity Data. *Biopolymers*. 91: 729-736.
- Fujioka, H; Kitagawa, H; Nagatomi, Y; Kita, Y. (1995). Asymmetric synthesis using C2-symmetric diols: Use of (5R,6R)-2,3-diacetoxy-5,6-diphenyl-1,4-dioxane as a chiral synthetic equivalent of 1,2-ethanediol 1,2-dicarbocation. *Tetrahedron: Asymmetry*. 6: 2113-2116.
- Fujisawa, S; Okita, Y; Saito, T; Togawa, E; Isogai, A. (2011). Formation of N-acylureas on the surface of TEMPO-oxidized cellulose nanofibril with carbodiimide in DMF. *Cellulose*. 18: 1191-1199.
- Fujita, M; Okuno, S; Lee, HJ; Sugimura, T; Okuyama, T. (2007). Enantiodifferentiating tetrahydrofuranlylation of but-3-enyl carboxylates using optically active hypervalent iodine(III) reagents via a 1,3-dioxan-2-yl cation intermediate. *Tetrahedron Letters*. 48: 8691-8694.
- Fujita, M; Ookubo, Y; Sugimura, T. (2009). Asymmetric cycloetherification based on a chiral auxiliary for 4-acyloxy-1-butene substrates during oxidation with iodosylbenzene via a 1,3-dioxan-2-yl cation. *Tetrahedron Letters*. 50: 1298-1300.
- Fujita, M; Suzawa, H; Sugimura, T; Okuyama, T. (2008). Stereoinduced cyclization of acyloxyalkenes using iodosylbenzene via a 1,3-dioxan-2-yl cation. *Tetrahedron Letters*. 49: 3326-3329.
- Fujita, T; Koshimizu, K; Mitsui, T. (1966). Ultraviolet absorption spectra of substituted 1-naphthoic acids. *Tetrahedron*. 22: 1587-1596.
- Fujiwara, H; Iwasaki, M; Narita, T; Hamana, H. (2004). On the structure of the radical addition product of 2-benzoxypentafluoropropene with 1,4-dioxane. *Journal of Fluorine Chemistry*. 125: 1461-1464.
- Fujiwara, T; Tamada, T; Kurata, Y; Ono, Y; Kose, T; Ono, Y; Nishimura, F; Ohtoshi, K. (2008). Investigation of 1,4-dioxane originating from incineration residues produced by incineration of municipal solid waste. *Chemosphere*. 71: 894-901.
- Fukushima, RS; Hatfield, RD. (2001). Extraction and isolation of lignin for utilization as a standard to determine lignin concentration using the acetyl bromide spectrophotometric method. *J Agric Food Chem*. 49: 3133-3139.
- Fukushima, RS; Hatfield, RD. (2004). Comparison of the acetyl bromide spectrophotometric method with other analytical lignin methods for determining lignin concentration in forage samples. *J Agric Food Chem*. 52: 3713-3720.
- Fukushima, RS; Kerley, MS. (2011). Use of Lignin Extracted from Different Plant Sources as Standards in the Spectrophotometric Acetyl Bromide Lignin Method. *J Agric Food Chem*. 59: 3505-3509.
- Fukushima, S; Wei, M; Omori, M; Morimura, K; Kinoshita, A; Masumura, K-i; Nohmi, T; Wanibuchi, H. (2009). P02: Carcinogenicity and in vivo mutagenicity of 1,4-dioxane in gpt delta rats. *Exp Toxicol Pathol*. 61: 282.
- Funakoshi, K; Togo, N; Sakai, K. (1989). Diastereoselective cyclization of 6-octen-1-als with rhodium(I)-complex. *Tetrahedron Letters*. 30: 1095-1098.
- Funasaki, N; Ishikawa, S; Neya, S. (2001). Stoichiometric and microenvironmental effects on hydrolysis of propantheline and oxyphenonium bromides in cyclodextrin solutions. *J Pharm Sci*. 90: 740-748.
- Funasaki, N; Kawaguchi, R; Hada, S; Neya, S. (1999). Ultraviolet spectroscopic estimation of microenvironments and bitter tastes of oxyphenonium bromide in cyclodextrin solutions. *J Pharm Sci*. 88: 759-762.
- Fuoco, T; Finne-Wistrand, A; Pappalardo, D. (2016). A Route to Aliphatic Poly(ester)s with Thiol Pendant Groups: From Monomer Design to Editable Porous Scaffolds. *Biomacromolecules*. 17: 1383-1394.
- Furler, M; Knobloch, B; Sigel, RKO. (2009). Influence of decreased solvent permittivity on the structure and magnesium(II)-binding properties of the catalytic domain 5 of a group II intron ribozyme. *Inorganica Chimica Acta*. 362: 771-776.
- Furst, SR; Weinger, MB. (1998). Dexmedetomidine, a selective alpha 2-agonist, does not potentiate the cardiorespiratory depression of alfentanil in the rat. *Anesthesiology*. 72: 882-888.
- Furstner, A; Martin, R; Krause, H; Seidel, G; Goddard, R; Lehmann, CW. (2008). Preparation, structure, and reactivity of nonstabilized organoiron compounds. Implications for iron-catalyzed cross coupling reactions. *J Am Chem Soc*. 130: 8773-8787.
- Furukawa, K; Chess-Williams, R; Uchiyama, T. (1996). Alpha 1B-adrenoceptor subtype mediating the phenylephrine-induced contractile response in rabbit corpus cavernosum penis. *Japanese journal of pharmacology*. 71: 325-331.

Environmental Hazard Literature Search Results

Off Topic

- Furutani, T; Su, R; Ooshima, H; Kato, J. (1995). Simple screening method for lipase for transesterification in organic solvent. *Enzyme Microb Technol.* 17: 1067-1072.
- Gã¼ndã¼z, T; Kiliã¼s, E; Canel, E; Kã¼seo, gt; glu, F. (1993). Protonation constants of some substituted salicylideneanilines in dioxanã¼ water mixtures. *Anal Chim Acta.* 282: 489-495.
- Gã¼recki, P; Kuran, W. (1984). Kinetics and mechanism of the reactions of diethylzinc with phenols in cyclic ethers. *Journal of Organometallic Chemistry.* 265: 1-7.
- Gaber, AAM; McNab, H. (2001). Synthetic applications of the pyrolysis of Meldrum's acid derivatives. *Synthesis-Stuttgart* 2059-2074.
- Gaber, M; El-Daly, SA; El-Sayed, YS. (2008). Spectral properties and inclusion of 3-(4'-dimethylaminophenyl)-1-(2-furanyl)prop-2-en-1-one in organized media of micellar solutions, beta-cyclodextrin and viscous medium. *Colloids and surfaces B, Biointerfaces.* 66: 103-109.
- Gaber, M; El-Sayed, YS; Diab, H. (2011). Spectral behavior study of 3-(4-dimethylamino-phenyl)1-(6- 3-(4-dimethylamino-phenyl)-acryloyl -pyridin-2-yl)-propanone. *Optics and Laser Technology.* 43: 592-598.
- Gabillet, S; Lecercle, D; Loreau, O; Dezard, S; Gomis, JM; Taran, F. (2007). Phosphine-catalyzed tandem alpha-O-addition and transesterification of oxgen pronucleophiles on arylpropiolates: A new route to dioxygenated heterocycles. *Synthesis-Stuttgart* 515-522.
- Gabriele, B; Salerno, G; Costa, M; Chiusoli, GP. (1999). A new regioselective synthesis of 3-substituted furan-2(5H)-ones by palladium-catalysed reductive carbonylation of alk-1-yne. *Tetrahedron Letters.* 40: 989-990.
- Gabriele, B; Salerno, G; Veltri, L; Costa, M. (2001). Synthesis of 2-ynamides by direct palladium-catalyzed oxidative aminocarbonylation of alk-1-yne. *Journal of Organometallic Chemistry.* 622: 84-88.
- Gadalla, MAF; Ghaly, GM; Samaha, MW. (1987). The effect of the composition of binary systems on the solubility and solubility parameter estimation of nalidixic and salicylic acids. *Int J Pharm.* 38: 71-78.
- Gadzinowski, M; Slomkowski, S; Elaissari, A; Pichot, C. (2000). Phase transfer and characterization of poly(epsilon-caprolactone) and poly(L-lactide) microspheres. *Journal of Biomaterials Science-Polymer Edition.* 11: 459-480.
- Gaina, L; Gal, E; Mataranga-Popa, L; Porumb, D; Nicolescu, A; Cristea, C; Silaghi-Dumitrescu, L. (2012). Synthesis, structural investigations, and DFT calculations on novel 3-(1,3-dioxan-2-yl)-10-methyl-10H-phenothiazine derivatives with fluorescence properties. *Tetrahedron.* 68: 2465-2470.
- Gaizer, F; Binh, TT; Burger, K. (1974). Effect of the solvent on complex equilibriaã¼IV: Equilibrium study of bis(dioximato)-diiodo-cobaltate(III) mixed complexes in water-dioxan solvent mixtures. *Journal of Inorganic and Nuclear Chemistry.* 36: 1601-1603.
- Gaizer, F; Buxbaum, P; Papp-Molnã¼r, E; Burger, K. (1974). Effect of the solvent on complex equilibriaã¼II: Equilibrium study of the pyridine-2-carboxylic acid complex of cobalt(II) in mixed solvents. *Journal of Inorganic and Nuclear Chemistry.* 36: 859-862.
- Galkin, S; Ammalahti, E; Kilpelainen, I; Brunow, G; Hatakka, A. (1997). Characterisation of milled wood lignin from reed canary grass (*Phalaris arundinacea*). *Holzforschung.* 51: 130-134.
- Galletti, GC; Piccaglia, R. Evaluation of lignin preparations from lignocellulosics by HPLC/electrochemical detection of phenolics. *J Agric Food Chem.* Mar 1991. v. 39 (3): 490-493.
- Galli, C; Gentili, P; Jolival, C; Madzak, C; Vadala, R. (2011). How is the reactivity of laccase affected by single-point mutations? Engineering laccase for improved activity towards sterically demanding substrates. *Appl Microbiol Biotechnol.* 91: 123-131.
- Galvani, G; Calvet, G; Blanchard, N; Kouklovsky, C. (2008). Efficient cleavage of the N-O bond of 3,6-dihydro-1,2-oxazines mediated by some alpha-hetero substituted carbonyl compounds in mild conditions. *Organic & Biomolecular Chemistry.* 6: 1063-1070.
- Galzigna, L; Garbin, L; Pagura, C. Dielectric increment of low molecular weight RNA in dioxane after application of static electric fields. *Biochimica et biophysica acta =.*
- Galzin, AM; Langer, SZ. (1985). Inhibition by 5,6-dihydroxy-2-dimethylaminotetralin (M7) of noradrenergic neurotransmission in the rabbit hypothalamus: role of alpha-2 adrenoceptors and of dopamine receptors. *The Journal of pharmacology and experimental therapeutics.* 233: 459-465.
- Gambacorta, A; Tofani, D; Loreto, MA; Gasperi, T; Bernini, R. (2006). HSAB-driven chemoselective N(1)-alkylation of pyrimidine bases and their 4-methoxy- or 4-acetylamino-derivatives. *Tetrahedron.* 62: 6848-6854.
- Gambassi, G; Spurgeon, HA; Ziman, BD; Lakatta, EG; Capogrossi, MC. (1998). Opposing effects of alpha 1-adrenergic receptor subtypes on Ca²⁺ and pH homeostasis in rat cardiac myocytes. *The American journal of physiology.* 274: H1152-1162.
- Gamberger, D; Horvatic, D; Sekusak, S; Sabljic, A. (1996). Applications of experts' judgement to derive structure-biodegradation relationships. *Environmental Science And Pollution Research International.* 3: 224-228.
- Gander, B; Merkleerle, HP. (1995). Quality improvement of spray-dried, protein-loaded D,L-PLA microspheres by appropriate polymer solvent selection. *J Microencapsul.*
- Ganguly, B; Fuchs, B. (1997). Stereoelectronic effects in negatively and positively (protonated) charged species. Ab initio studies of the anomeric effect in 1,3-dioxane systems. *J Org Chem.* 62: 8892-8901.
- Ganguly, B; Fuchs, B. (2000). Stereoelectronic effects in negatively and positively (protonated) charged species. Ab initio studies of the gauche effect in 1,4-dioxane systems. *J Org Chem.* 65: 558-561.
- Garc; iacevilla, JJA; Gaylor, DW. (1999). PRELIMINARY ESTIMATES OF THE VIRTUALLY SAFE DOSE FOR TUMORS OBTAINED FROM THE MAXIMUM TOLERATED DOSE. *Br J Pharmacol.* 9: 101-108.
- Garcã¼ja-Sã¼niz, JA. (1999). Modulation of basal intracellular calcium by inverse agonists and phorbol myristate acetate in rat-1 fibroblasts stably expressing alpha1d-adrenoceptors. *FEBS Lett.* 443: 277-281.
- Garcia, A; Sanzone, JR; Woerpel, KA. (2015). Participation of Alkoxy Groups in Reactions of Acetals: Violation of the Reactivity/Selectivity Principle in a Curtin-Hammett Kinetic Scenario. *Angewandte Chemie-International Edition.* 54: 12087-12090.

Environmental Hazard Literature Search Results

Off Topic

- Garcia, DA; Perillo, MA. (1999). Benzodiazepine localisation at the lipid-water interface: effect of membrane composition and drug chemical structure. *Biochimica Et Biophysica Acta-Biomembranes*. 1418: 221-231.
- Garcia, R; Triboulot, MC; Merlin, A; Deglise, X. (2000). Variation of the viscoelastic properties of wood as a surface finishes substrate. *Wood Science and Technology*. 34: 99-107.
- Garcia-Alles, LF; Gotor, V. (1998). Lipase-catalyzed transesterification in organic media: Solvent effects on equilibrium and individual rate constants. *Biotechnol Bioeng*. 59: 684-694.
- Garcia-Bernabe, A; Lidon-Roger, JV; Sanchis, MJ; Diaz-Calleja, R; del Castillo, LF. (2015). Interconversion algorithm between mechanical and dielectric relaxation measurements for acetate of cis- and trans-2-phenyl-5-hydroxymethyl-1,3-dioxane. *Physical Review E*. 92: 2307-2307.
- Garcia-Mira, MM; Sanchez-Ruiz, JM. (2001). pH corrections and protein ionization in water/guanidinium chloride. *Biophysical Journal*. 81: 3489-3502.
- Garcia-Rio, L; Herves, P; Leis, J; Mejuto, JC; Perez-Juste, J; Rodriguez-Dafonte, P. (2006). Evidence for complexes of different stoichiometries between organic solvents and cyclodextrins. *Organic & Biomolecular Chemistry*. 4: 1038-1048.
- Garibay, P; Vedso, P; Begtrup, M; Hoeg-Jensen, T. (2001). Solid-phase directed ortho-lithiation and the preparation of a phthalide library. *J Comb Chem*. 3: 332-340.
- Garlapati, R; Pottabathini, N; Gurram, V; Chaudhary, AB; Chunduri, VR; Patro, B. (2012). Pd-catalyzed amination of 6-halo-2-cyclopropyl-3-(pyridyl-3-ylmethyl) quinazolin-4(3H)-one. *Tetrahedron Letters*. 53: 5162-5166.
- GascÃn, SD-DdFiPUAndS; Diers, DM; Mâ€rml, F; Vivas, NM; Badia, A. (1993). Effects of age on alpha 1-adrenoceptor subtypes in the heart ventricular muscle of the rat. *The Journal of pharmacy and pharmacology*. 45: 907-909.
- Gaspar, A; Evtuguin, DV; Neto, CP. (2004). Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. *Holzforschung*. 58: 640-649.
- Gauthier, DR; Szumigala, RH; Armstrong, JD; Volante, RP. (2001). Stereoelectronic effects in the DIBAL reduction of aryl-1,2-ethanediol benzylidene acetals. *Tetrahedron Letters*. 42: 7011-7014.
- Gaz, SA; Condamine, E; Bogdan, N; Terec, A; Bogdan, E; Ramondenc, Y; Grosu, I. (2008). Synthesis and stereochemistry of some new spiro and polyspiro-1,3-dithiane derivatives. *Tetrahedron*. 64: 7295-7300.
- Gedalanga, PB; Pornwongthong, P; Mora, R; Chiang, SYD; Baldwin, B; Ogles, D; Mahendra, S. (2014). Identification of Biomarker Genes To Predict Biodegradation of 1,4-Dioxane. *Appl Environ Microbiol*. 80: 3209-3218.
- Gedik, M; Brown, A. (2013). Computational study of the excited state properties of modified RNA nucleobases. *Journal of Photochemistry & Photobiology, A: Chemistry*. 259: 25-32.
- Gehringer, P; Matschiner, H. (1998). Radiation induced pollutant decomposition in water. *Water Science and Technology*. 37: 195-201.
- Geibel, I; Dierks, A; Schmidtman, M; Christoffers, J. (2016). Formation of delta-Lactones by Cerium-Catalyzed, Baeyer-Villiger-Type Coupling of beta-Oxoesters, Enol Acetates, and Dioxygen. *J Org Chem*. 81: 7790-7798.
- Gemma, S; Marti, F; Gabellieri, E; Campiani, G; Novellino, E; Butini, S. (2009). Synthetic studies toward 1,2-dioxanes as precursors of potential endoperoxide-containing antimalarials. *Tetrahedron Letters*. 50: 5719-5722.
- Geng, L; Feng, G; Wang, S; Yu, X; Xu, Z; Zhen, X; Wang, T. (2015). Fluoride-responsive organogel containing azobenzyl and cholesterol units. *Journal of Fluorine Chemistry*. 170: 24-28.
- George, JD; Price, CJ; Marr, MC; Sadler, BM; Schwetz, BA; Birnbaum, LS; Morrissey, RE. (1989). Developmental toxicity of 1,1,1-trichloroethane in CD rats. *Fundamental and Applied Toxicology*. 13: 641-651.
- George, S; Sudalai, A. (2007). Enantioselective synthesis of tarchonanthuslactone using proline-catalyzed asymmetric α -aminoxylation. *Tetrahedron: Asymmetry*. 18: 975-981.
- Gerdil, R; Liu, HY; Bernardinelli, G. (1999). Organic reactions in the solid state: Reactions of enclathrated 3,4-epoxycyclopentanone (=6-oxobicyclo 3.1.0 hexan-3-one) in tri-o-thymotide and absolute configuration of 4-hydroxy- and 4-chlorocyclopent-2-en-1-one. *Helvetica Chimica Acta*. 82: 418-434.
- Geronikaki, AA; Abduzaimov, KA. A comparative study of the dioxane lignins of Althea Althea rhyticarpa, Althaea nudiflora]. *Chemistry of Natural Compounds*. Jan/Feb 1977 (Transl 1977), 13 (1): 80-86.
- Geronikaki, AA; Abduzaimov, KA. A study of the dioxane lignins of Althaea nudiflora and Althaea rosea. *Chemistry of Natural Compounds*. Sept/Oct 1976 (Transl 1977), 12 (5): 622-623.
- Gerrity, D; Gamage, S; Jones, D; Korshin, GV; Lee, Y; Pisarenko, A; Trenholm, RA; von Gunten, U; Wert, EC; Snyder, SA. (2012). Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. *Water Res*. 46: 6257-6272.
- Gersl, V. (1993). Comparison of two substances with a possible alpha-adrenoceptor blocking and calcium channel blocking activity in rabbits in vivo under the paced and non-paced heart conditions. II. The hemodynamic effects. *Sborník vědeckých prací Lékařské fakulty Karlovy university v Hradci Králové*. 36: 45-62.
- Gervasini, A; Auroux, A. (2013). Combined use of titration calorimetry and spectrofluorimetry for the screening of the acidity of solid catalysts in different liquids. *Thermochimica acta*. 567: 8-14.
- Geurs, NC; Korostoff, JM; Vassilopoulos, PJ; Kang, TH; Jeffcoat, M; Kellar, R; Reddy, MS. (2008). Clinical and histologic assessment of lateral alveolar ridge augmentation using a synthetic long-term bioabsorbable membrane and an allograft. *Journal of periodontology*. 79: 1133-1140.
- Geven, MA; Barbieri, D; Yuan, H; de, BJD; Grijpma, DW. (2015). Preparation and mechanical properties of photo-crosslinked poly(trimethylene carbonate) and nano-hydroxyapatite composites. *Clin Hemorheol Microcirc*. 60: 3-11.

Environmental Hazard Literature Search Results

Off Topic

- Geynet, P; Ferry, N; Borsodi, A; Hanoune, J. (1981). Two distinct α -adrenergic receptor sites in rat liver: Differential binding of (α)-[3H]norepinephrine, [3H]prazosin and [3H]dihydroergocryptine: Effects of guanine nucleotides and proteolysis; implications for a two-site model of α -receptor regulation. *Biochem Pharmacol.* 30: 1665-1675.
- Ghadwal, RS; Azhakar, R; Roesky, HW. (2013). Dichlorosilylene: A High Temperature Transient Species to an Indispensable Building Block. *Acc Chem Res.* 46: 444-456.
- Ghanem, A; Lacrampe, F; Schurig, V. (2005). Rhodium(II)-catalyzed inter- and intramolecular cyclopropanations with diazo compounds and phenyliodonium ylides: Synthesis and chiral analysis. *Helvetica Chimica Acta.* 88: 216-239.
- Ghawana, K; Singh, S; Sharma, VK; Kapoor, A; Tripathi, KN. (1998). Dip-coated thin-film polycarbonate optical waveguides. *Appl Opt.* 37: 4051-4053.
- Ghosh, AK; Genna, S; Takayama, J; Baldrige, A; Leshchenko-Yashchuk, S; Miller, HB; Wang, YF; Kovalevsky, AY; Koh, Y; Weber, IT; Mitsuya, H. (2008). Potent HIV-1 protease inhibitors incorporating meso-bicyclic urethanes as P2-ligands: structure-based design, synthesis, biological evaluation and protein-ligand X-ray studies. *Organic & Biomolecular Chemistry.* 6: 3703-3713.
- Ghosh, N; Nayak, S; Sahoo, AK. (2011). Gold-Catalyzed Regioselective Hydration of Propargyl Acetates Assisted by a Neighboring Carbonyl Group: Access to α -Acetoxy Methyl Ketones and Synthesis of (+/-)-Actinopolymorphol B. *J Org Chem.* 76: 500-511.
- Ghosh, P; Samanta, AN; Ray, S. (2010). Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by H₂O₂/Fe(II) system. *Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances & Environmental Engineering.* 45: 395-399.
- Ghosh, SK; Hossain, SU; Bhattacharya, S; Bhattacharya, SC. (2005). 2-(2-selenocyanic acid ethyl ester)-1H-benz de isoquinoline-1,3-(2H)-dione, synthesis photophysics and interaction with bovine serum albumin: A spectroscopic approach. *Journal of Photochemistry and Photobiology B-Biology.* 81: 121-128.
- Giammanco, G; de Ilarduya, AM; Alla, A; Munoz-Guerra, S. (2010). Hydrolyzable Aromatic Copolyesters of p-Dioxanone. *Biomacromolecules.* 11: 2512-2520.
- Gibbins, BJ. (1953). A STUDY OF THE TERNARY SYSTEM, DIOXANE - TETRAHYDROPYRAN - DINITROGEN-TETROXIDE. PhD, The Ohio State University.
- Gibson, SE; Smith, MH. (2003). Chiral base-mediated benzylic functionalisation of tricarbonylchromium(0) complexes of benzylamine derivatives. *Organic & Biomolecular Chemistry.* 1: 676-683.
- Gidron, O; Ebert, MO; Trapp, N; Diederich, F. (2014). Chiroptical Detection of Nonchromophoric, Achiral Guests by Enantiopure Allenyl-Acetylenic Helicenes. *Angewandte Chemie-International Edition.* 53: 13614-13618.
- Gillanders, F; Giordano, L; D'Aziz, S; LoCDMifBCAFGtGtd; Jovin, TM; Jares-Erijman, EA. (2014). Photoswitchable fluorescent diheteroarylethenes: substituent effects on photochromic and solvatochromic properties. *Photochemical & photobiological sciences : Official journal of the European Photochemistry Association and the European Society for Photobiology.* 13: 603-612.
- Gilliard, RJ; Abraham, MY; Wang, YZ; Wei, PR; Xie, YM; Quillian, B; Schaefer, HF; Schleyer, PVR; Robinson, GH. (2012). Carbene-Stabilized Beryllium Borohydride. *J Am Chem Soc.* 134: 9953-9955.
- Girgis, AS; Ismail, NSM; Farag, H; El-Eraky, WI; Saleh, DO; Tala, SR; Katritzky, AR. (2010). Regioselective synthesis and molecular modeling study of vasorelaxant active 7,9-dioxo-1,2-diaza-spiro 4.5 dec-2-ene-6,10-diones. *Eur J Med Chem.* 45: 4229-4238.
- Girgis, AS; Kalmouch, A; Hosni, HM. (2004). Synthesis of novel 3-pyridinecarbonitriles with amino acid function and their fluorescence properties. *Amino Acids.* 26: 139-146.
- Girgis, MM. (1990). Charge-transfer interactions of nicotine with chloranil: Solvent effects UV visible spectrophotometric study. *Croat Chem Acta.* 63: 55-66.
- Gisvold, O; Maulding Jr, HV. (1968). Basically Substituted Dioxolanes and Dioxanes. *J Pharm Sci.* 57: 784-787.
- Givissis, PK; Stavridis, SI; Papagelopoulos, PJ; Antonarakos, PD; Christodoulou, AG. (2010). Delayed foreign-body reaction to absorbable implants in metacarpal fracture treatment. *Clin Orthop Relat Res.* 468: 3377-3383.
- Glockling, F; Gowda, NMN. (1982). Tris(trimethylsilyl)methyl-lead(IV) compounds. *Inorganica Chimica Acta.* 58: 149-153.
- Glusker, JP; Zacharias, DE; Whalen, DL; Friedman, S; Pohl, TM. (1982). Internal Hydrogen Bond Formation in a syn-Hydroxyepoxide. *Science (New York, NY).* 215: 695-696.
- Godeheu, AM; Glowinski, J; Tassin, JP; Hoo, KH; Kwan, CY; Daniel, EE. (1994). Investigation of α 1-adrenoceptor subtypes in canine aorta, using alkylating agents. *The European journal of neuroscience.* 6: 293-298.
- Godoy, CA; de las Rivas, B; Grazu, V; Montes, T; Guisan, JM; Lopez-Gallego, F. (2011). Glyoxyl-Disulfide Agarose: A Tailor-Made Support for Site-Directed Rigidification of Proteins. *Biomacromolecules.* 12: 1800-1809.
- Godoy, CA; Fernandez-Lorente, G; de las Rivas, B; Filice, M; Guisan, JM; Palomo, JM. (2011). Medium engineering on modified *Geobacillus thermocatenulatus* lipase to prepare highly active catalysts. *Journal of molecular catalysis.* 70: 144-148.
- Gold, LS; Slone, TH; Stern, BR; Bernstein, L. (1993). Comparison of target organs of carcinogenicity for mutagenic and non-mutagenic chemicals. *Mutat Res.* 286: 75-100.
- Goldstein, M. (1985). Ergot alkaloids and central monoaminergic receptors. *Journal de pharmacologie.* 16 Suppl 3: 19-24.
- Goldstein, M; Unsworth, WD. (1972). The far-infrared and raman spectra of some complexes of cadmium dihalides with pyridine, pyrazine, dioxan and aniline. *Journal of Molecular Structure.* 14: 451-458.
- Goldsworthy, TL; Monticello, TM; Morgan, KT; Bermudez, E; Wilson, DM; Jaekch, R; Butterworth, BE. (1991). Examination of potential mechanisms of carcinogenicity of 1,4-dioxane in rat nasal epithelial cells and hepatocytes. *Arch Toxicol.* 65: 1-9.
- Goldwasser, E; de Courcy, B; Demange, L; Garbay, C; Raynaud, F; Hadj-Slimane, R; Piquemal, JP; Gresh, N. (2014). Conformational analysis of a polyconjugated protein-binding ligand by joint quantum chemistry and polarizable molecular mechanics. Addressing the issues of anisotropy, conjugation, polarization, and multipole transferability. *J Mol Model.* 20: 2472-2472.

Environmental Hazard Literature Search Results

Off Topic

- Gollnick, K; Schnatterer, A. (1984). Formation of 1,2-dioxanes by electron-transfer photooxygenation of 1,1-disubstituted ethylenes. *Tetrahedron Letters*. 25: 2735-2738.
- Gombar, VK; Borgstedt, HH; Enslein, K; Hart, JB; Blake, BW. (1991). A QSAR model of teratogenesis. *Quant Struct Act Relat*. 10: 306-332.
- Gomez-Tagle, P; Vargas-Zuniga, I; Taran, O; Yatsimirsky, AK. (2006). Solvent effects and alkali metal ion catalysis in phosphodiester hydrolysis. *J Org Chem*. 71: 9713-9722.
- Goncharevskaya, OA; Monin, Y. (1992). Alpha 2-adrenoceptor control of ion and water transport in the newt renal distal tubule. *Physiological research / Academia Scientiarum Bohemoslovaca*. 41: 213-219.
- Gong, F; Cheng, X; Wang, S; Zhao, Y; Gao, Y; Cai, H. (2010). Heparin-immobilized polymers as non-inflammatory and non-thrombogenic coating materials for arsenic trioxide eluting stents. *Acta Biomater*. 6: 534-546.
- Gong, J; Lou, X-J; Li, W-D; Jing, X-K; Chen, H-B; Zeng, J-B; Wang, X-L; Wang, Y-Z. (2010). A novel aromatic-aliphatic copolyester consisting of poly(1,4-dioxan-2-one) and poly(ethylene-co-1,6-hexene terephthalate): Preparation, thermal, and mechanical properties. *Journal of polymer science*. 48: 2828-2837.
- Gong, SH; Penzkofer, A. (1999). Two-photon absorption and two-photon-induced absorption of some organic liquids at 347.15 nm. *Optical and Quantum Electronics*. 31: 269-290.
- Gong, YH; Ma, ZW; Zhou, QL; Li, J; Gao, CY; Shen, JC. (2008). Poly(lactic acid) scaffold fabricated by gelatin particle leaching has good biocompatibility for chondrogenesis. *Journal of Biomaterials Science-Polymer Edition*. 19: 207-221.
- González, JA; García de la Fuente, I; Cobos, JC. (2011). Application of the Kirkwood-Buff formalism to CH₂f(CH₂)_n, OH+polyether mixtures for n=1, 2, 3. *Thermochimica acta*. 525: 103-113.
- Gonzalez, AG; Pablos, F. (1991). Evaluation of acidity constants in dioxane-water mixtures by spectrophotometric and potentiometric pH titrations. *Anal Chim Acta*. 251: 321-325.
- Gonzalez-Nunez, ME; Mello, R; Royo, J; Asensio, G; Monzo, I; Tomas, F; Lopez, JG; Ortiz, FL. (2005). Conformational mobility of thianthrene-5-oxide. *J Org Chem*. 70: 3450-3457.
- Gorbunov, BZ; Naberukhin, YI. (1972). Infrared intensities of HDO in water-nonelectrolyte mixtures. *Journal of Molecular Structure*. 14: 113-116.
- Gormisky, PE; White, MC. (2011). Synthetic Versatility in C-H Oxidation: A Rapid Approach to Differentiated Diols and Pyrans from Simple Olefins. *J Am Chem Soc*. 133: 12584-12589.
- Gotor-Fernandez, V; Ferrero, M; Fernandez, S; Gotor, V. (1999). 1 alpha,25-dihydroxyvitamin D(3) A-ring precursors: Studies on regioselective enzymatic alkoxyacylation reactions of their stereoisomers. Chemoenzymatic synthesis of A-ring synthon carbamate derivatives, including carbazates and polyamino carbamates. *J Org Chem*. 64: 7504-7510.
- Goury, V; Jhurry, D; Bhaw-Luximon, A; Novak, BM; Bellenev, J. (2005). Synthesis and characterization of random and block copolypeptides derived from gamma-methylglutamate and leucine N-carboxyanhydrides. *Biomacromolecules*. 6: 1987-1991.
- Govender, M; Bush, T; Spark, A; Bose, SK; Francis, RC. (2009). An accurate and non-labor intensive method for the determination of syringyl to guaiacyl ratio in lignin. *Bioresour Technol*. 100: 5834-5839.
- Gowda, S; Abiraj, K; Gowda, DC. (2002). Reductive cleavage of azo compounds catalyzed by commercial zinc dust using ammonium formate or formic acid. *Tetrahedron Letters*. 43: 1329-1331.
- Gowda, S; Gowda, DC. (2002). Application of lead and ammonium formate as a new system for the synthesis of azo compounds. *Synthesis-Stuttgart* 460-462.
- Grant, WB; Kagann, RH; McClenny, WA. (1992). Optical remote measurement of toxic gases. *J Air Waste Manage Assoc*. 42: 18-30.
- Gras, J-L; Poncet, A; Nouguier, R. (1992). Ligand assisted asymmetric synthesis. II. Diastereoselective Diels-Alder additions with Lewis acid attracting auxiliaries derived from pentitols. *Tetrahedron Letters*. 33: 3323-3326.
- Gras, J-L; Soto, T; Viala, J. (1999). Chiral conformationally restricted arachidonic acid analogs based on a 1,3-dioxane core. *Tetrahedron: Asymmetry*. 10: 139-151.
- Greenway, KT; Bischoff, AG; Pinto, BM. (2012). Probing Hyperconjugation Experimentally with the Conformational Deuterium Isotope Effect. *J Org Chem*. 77: 9221-9226.
- Gregersen, H; Kraglund, K; Rittig, S; Tøttrup, A. (1989). The effect of a new selective alpha 2-adrenoreceptor antagonist, idazoxan, and the agonist, clonidine, on fasting antroduodenal motility in healthy volunteers. *Alimentary pharmacology & therapeutics*. 3: 435-443.
- Greyling, G; Pasch, H. (2015). Tacticity Separation of Poly(methyl methacrylate) by Multidetector Thermal Field-Flow Fractionation. *Anal Chem*. 87: 3011-3018.
- Griebenow, K; Laureano, YD; Santos, AM; Clemente, IM; Rodriguez, L; Vidal, MW; Barletta, G. (1999). Improved enzyme activity and enantioselectivity in organic solvents by methyl-beta-cyclodextrin. *J Am Chem Soc*. 121: 8157-8163.
- Griesbeck, AG; Cho, M. (2009). Singlet oxygen addition to homoallylic substrates in solution and microemulsion: novel secondary reactions. *Tetrahedron Letters*. 50: 121-123.
- Grigorieva, E; Soshilov, A; Surovtseva, Y; Schwartz, EL; Duzhak, TG; Gulyaeva, LF; Lyakhovich, VV. (2002). Induction of the CYP2B genes by triphenyldioxane treatment in the rat liver. *Toxicology in vitro : an international journal published in association with BIBRA*. 16: 467-473.
- Grigorova, NV; Sal'nikova, TV; Amel'kina, NF; Dosmailova, OI; Ketova, TA. Modifying effect of dioxane on the cytogenetic activity of N-methyl-N-nitrosourea. *Cytology and genetics*. 1986. v. 20 (6): 30-33.
- Grijpma, DW; Hou, Q; Feijen, J. (2005). Preparation of biodegradable networks by photo-crosslinking lactide, epsilon-caprolactone and trimethylene carbonate-based oligomers functionalized with fumaric acid monoethyl ester. *Biomaterials*. 26: 2795-2802.
- Grondal, C; Enders, D. (2006). Direct asymmetric organocatalytic de novo synthesis of carbohydrates. *Tetrahedron*. 62: 329-337.

Environmental Hazard Literature Search Results

Off Topic

- Grosjean, D. (1990). Atmospheric chemistry of toxic contaminants: 1. Reaction rates and atmospheric persistence. *J Air Waste Manage Assoc.* 40: 1397-1402.
- Grosjean, D. (1990). Atmospheric chemistry of toxic contaminants: 2. Saturated aliphatics: Acetaldehyde, dioxane, ethylene glycol ethers, propylene oxide. *J Air Waste Manage Assoc.* 40: 1522-1531.
- Groster, A; Sales, CM; Zhuang, WQ; Erbilgin, O; Alvarez-Cohen, L. (2012). Glyoxylate Metabolism Is a Key Feature of the Metabolic Degradation of 1,4-Dioxane by *Pseudonocardia dioxanivorans* Strain CB1190. *Appl Environ Microbiol.* 78: 3298-3308.
- Grosu, I; Mager, S; Plăc, G; Mesaros, E. (1996). Synthesis and stereochemistry of some dispiro-1,3-dioxanes with axial and helical chirality. *Tetrahedron.* 52: 12783-12798.
- Grosu, I; Ple, G; Mager, S; Mesaros, E; Dulau, A; Gego, C. (1998). Study on the atropisomerism of some new 2-aryl-1,3-dioxanes. *Tetrahedron.* 54: 2905-2916.
- Grozdanovic, O; Antic, D; Agbaba, D. (2005). Development of a HPTLC method for in-process purity testing of pentoxifylline. *J Sep Sci.* 28: 575-580.
- Grozema, FC; Swart, M; Zijlstra, RWJ; Piet, JJ; Siebbeles, LDA; van Duijnen, PT. (2005). QM/MM study of the role of the solvent in the formation of the charge separated excited state in 9,9'-bianthryl. *J Am Chem Soc.* 127: 11019-11028.
- Gu, F; Wu, WJ; Wang, ZG; Yokoyama, T; Jin, YC; Matsumoto, Y. (2015). Effect of complete dissolution in LiCl/DMSO on the isolation and characteristics of lignin from wheat straw internode. *Ind Crop Prod.* 74: 703-711.
- Gu, Q; Rong, ZQ; Zheng, C; You, SL. (2010). Desymmetrization of Cyclohexadienones via Bronsted Acid-Catalyzed Enantioselective Oxo-Michael Reaction. *J Am Chem Soc.* 132: 4056-+.
- Guajardo, N; Bernal, C; Wilson, L; Cabrera, Z. (2015). Selectivity of R-alpha-monobenzoate glycerol synthesis catalyzed by *Candida antarctica* lipase B immobilized on heterofunctional supports. *Process Biochemistry.* 50: 1870-1877.
- Guerra, FM; Zubia, E; Ortega, MJ; Moreno-Dorado, FJ; Massanet, GM. (2010). Synthesis of disubstituted 1,2-dioxolanes, 1,2-dioxanes, and 1,2-dioxepanes. *Tetrahedron.* 66: 157-163.
- Guillaumet, G; Suzenet, F; Ramsden, CA; Scriven, EFV; Taylor, RJK. (2008). 8.12 - 1,4-Dioxins, Oxathiins, Dithiins, and their Benzo Derivatives A2 - Katritzky, Alan R. *Comprehensive Heterocyclic Chemistry III* Oxford857-905.
- Guillen, MD. (1994). Polycyclic aromatic compounds: Extraction and determination in food. *Food Additives And Contaminants.* 11: 669-684.
- Guindon, Y; Ogilvie, WW; Bordeleau, J; Cui, WL; Durkin, K; Gorys, V; Juteau, N; Lemieux, R; Liotta, D; Simoneau, B; Yoakim, C. (2003). Opening of tartrate acetals using dialkylboron bromide: Evidence for stereoselectivity downstream from ring fission. *J Am Chem Soc.* 125: 428-436.
- Guisã n, JMDDdBdCCUAMCMS; Aminabhavi, TM; Munnolli, RS; Ortego, JD. (2004). Molecular migration of some industrial solvents into fluoropolymer membranes. *Biotechnol Bioeng.* 86: 558-562.
- Gunatilleka, AD; Poole, CF. (1999). Models for estimating the non-specific aquatic toxicity of organic compounds. *Analytical Communications.* 36: 235-242.
- Gunberg, PF. (1950). SULFONATION OF SUBSTITUTED STYRENES USING DIOXANE-SULFOTRIOXIDE. PhD, Purdue University.
- Guney, O. (2003). Multiple-point adsorption of terbium ions by lead ion templated thermosensitive gel: elucidating recognition of conformation in gel by terbium probe. *Journal of Molecular Recognition.* 16: 67-71.
- Guo, FJ; Li, YC. (2005). New sesquiterpenoids from *Lycianthes marlipensis*. *Helvetica Chimica Acta.* 88: 2364-2369.
- Guo, GW; Li, SJ; Wang, L; Ren, SX; Fang, GZ. (2013). Separation and characterization of lignin from bio-ethanol production residue. *Bioresour Technol.* 135: 738-741.
- Guo, J; Liu, XF; Miller, AL; Waletzki, BE; Yaszemski, MJ; Lu, LC. (2017). Novel porous poly(propylene fumarate-co-caprolactone) scaffolds fabricated by thermally induced phase separation. *Journal of Biomedical Materials Research Part A.* 105: 226-235.
- Guo, X; Liu, Z; Song, Q; Wang, L; Zhong, D. (2015). Dynamics and mechanism of UV-damaged DNA repair in indole-thymine dimer adduct: molecular origin of low repair quantum efficiency. *The journal of physical chemistry B.* 119: 3446-3455.
- Gupta, J; Wilson, BW; Vadlani, PV. (2016). Evaluation of green solvents for a sustainable zein extraction from ethanol industry DDGS. *Biomass & Bioenergy.* 85: 313-319.
- Gupta, M; Kamble, P; Rath, MC; Naik, DB; Ray, AK. (2015). High laser efficiency and photostability of pyrromethene dyes mediated by nonpolar solvent. *Appl Opt.* 54: 7013-7019.
- Gurubrahamam, R; Periasamy, M. (2013). Copper(I) Halide Promoted Diastereoselective Synthesis of Chiral Propargylamines and Chiral Allenes using 2-Dialkylaminomethylpyrrolidine, Aldehydes, and 1-Alkynes. *J Org Chem.* 78: 1463-1470.
- Gurung, A; Hassan, SHA; Oh, SE. (2011). Assessing acute toxicity of effluent from a textile industry and nearby river waters using sulfur-oxidizing bacteria in continuous mode. *Environ Technol.* 32: 1597-1604.
- Gurung, A; Kim, SH; Joo, JH; Jang, M; Oh, SE. (2012). Assessing toxicities of industrial effluents and 1,4-dioxane using sulphur-oxidising bacteria in a batch test. *Water Environ J.* 26: 224-234.
- Gurvich, LA; Kobrina, NS; Serebryakov, EP; Kucherov, VF. (1971). Photochemical transformations of gibberellin A3 derivatives aromatization of ring A. *Tetrahedron.* 27: 5901-5909.
- Gusarova, NK; Artem'ev, AV; Malysheva, SF; Tarasova, OA; Trofimov, BA. (2011). A three-component reaction between alkenes, secondary phosphanes, and elemental selenium: a novel, efficient, atom-economic synthesis of diselenophosphinic esters. *Tetrahedron Letters.* 52: 6985-6987.

Environmental Hazard Literature Search Results

Off Topic

- Gusarova, NK; Artem'ev, AV; Oparina, LA; Kolyvanov, NA; Malysheva, SF; Vysotskaya, OV; Trofimov, BA. (2012). Three-Component Reaction between Vinyl Ethers, Secondary Phosphines, and Elemental Selenium: One-Pot Synthesis of 1-(Alkoxy)ethyl and 1-(Aryloxy)ethyl Phosphinodiselenoates. *Synthesis-Stuttgart*. 44: 431-438.
- Guthrie, FJ. (1953). A STUDY OF MOLECULAR ADDITION COMPOUNDS: A. DINITROGEN-TETROXIDE WITH ALIPHATIC AND ALICYCLIC ETHERS; B. DINITROGEN-PENTOXIDE WITH DIOXANE AND TETRAHYDROPYRAN; C. IODINE-MONOCHLORIDE WITH PHOSPHOROUS(III) CHLORIDE. PhD, The Ohio State University.
- Gutteridge, JM; Wardle, N. (1981). Peroxidation of Liver and Brain Tissue of Paracetamol Poisoned Rats. *Medical Laboratory Sciences*. 38: 167-169.
- Ha, JD; Lee, SJ; Nam, SY; Kang, SK; Cho, SY; Ahn, JH; Choi, JK. (2006). Efficient synthesis of 2-imidazol-2-ylacetates. *Tetrahedron Letters*. 47: 6201-6204.
- Hã€žrd, A; Fuxe, K; Kalia, M; Agnati, LF. (1985). Somatostatin induced apnoea: prevention by central and peripheral administration of the opiate receptor blocking agent naloxone. *Acta Physiol Scand*. 5.
- Habener, JF; Mayer, GP; Powell, D; Murray, TM; Singer, FR; Potts Jr, JT. (1973). Dextran-charcoal and dioxane phase separation methods in the radioimmunoassays for parathyroid hormone and calcitonin. *Clinica Chimica Acta*. 45: 225-233.
- Hacking, M; Akkus, H; van Rantwijk, F; Sheldon, RA. (2000). Lipase and esterase-catalyzed acylation of hetero-substituted nitrogen nucleophiles in water and organic solvents. *Biotechnol Bioeng*. 68: 84-91.
- Hadi, SF; El Mikatti, N. (1981). Acute Carbon Tetrachloride Poisoning. *Intensive Care Medicine*. 7: 203-204.
- Haggarty, SJ; Clemons, PA; Wong, JC; Schreiber, SL. (2004). Mapping chemical space using molecular descriptors and chemical genetics: Deacetylase inhibitors. *Comb Chem High Throughput Screen*. 7: 669-676.
- Haggarty, SJ; Koeller, KM; Wong, JC; Grozinger, CM; Schreiber, SL. (2003). Domain-selective small-molecule inhibitor of histone deacetylase 6 (HDAC6)-mediated tubulin deacetylation. *Proceedings of the National Academy of Sciences of the United States of America*. 100: 4389-4394.
- Hagstrom-Nasi, C; Sjoström, E. Alkaline oxygen oxidation of dioxane lignin and creosol in aqueous ethanol. *Journal of Wood Chemistry and Technology*. 1988. v. 8 (3): 299-311.
- Hahn, S. (1985). DOUBLE HYDROGEN BONDING OF 1,8-BIPHENYLENEDIOL WITH VARIOUS BASES (SINGLE, COMPLEXATION). PhD, The Ohio State University.
- Haikarainen, A; Sipila, J; Pietikainen, P; Pajunen, A; Mutikainen, I. (2001). Salen complexes with bulky substituents as useful tools for biomimetic phenol oxidation research. *Bioorganic & Medicinal Chemistry*. 9: 1633-1638.
- Hajduovã, J; Prochãzka, K; Raus, Vr; Å... louf, M; Krzyã%ãnek, V; Garamus, VM; Å... tã,,ã€pãfãnek, M. (2014). Structure of polymeric nanoparticles in surfactant-stabilized aqueous dispersions of high-molar-mass hydrophobic graft copolymers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 456: 10-17.
- Halg, M; Huvonen, D; Butch, NP; Demmel, F; Zheludev, A. (2015). Finite-temperature scaling of spin correlations in a partially magnetized Heisenberg S=1/2 chain. *Physical Review B*. 92: 4416-4416.
- Halim, SA; Ibrahim, MA. (2017). Synthesis, DFT calculations, electronic structure, electronic absorption spectra, natural bond orbital (NBO) and nonlinear optical (NLO) analysis of the novel 5-methyl-8H-benzo[h]chromeno[2,3-b][1,6] naphthyridine-6(5H),8-dione (MBCND). *Journal of Molecular Structure*. 1130: 543-558.
- Hamama, WS; Berghot, MA; Baz, EA; Gouda, MA. (2011). Synthesis and Antioxidant Evaluation of Some New 3-Substituted Coumarins. *Arch Pharm (Weinheim)*. 344: 710-718.
- Hamann, E; Stuyfzand, PJ; Greskowiak, J; Timmer, H; Massmann, G. (2016). The fate of organic micropollutants during long-term/long-distance river bank filtration. *Sci Total Environ*. 545: 629-640.
- Han, G; Tamaki, M; Hruby, V. (2001). Fast, efficient and selective deprotection of the tert-butoxycarbonyl (Boc) group using HCl/dioxane (4 M). *Journal of Peptide Research*. 58: 338-341.
- Han, J; Chen, TX; Branford-White, CJ; Zhu, LM. (2009). Electrospun shikonin-loaded PCL/PTMC composite fiber mats with potential biomedical applications. *Int J Pharm*. 382: 215-221.
- Han, JS; So, MH; Kim, CG. (2009). Optimization of biological wastewater treatment conditions for 1,4-dioxane decomposition in polyester manufacturing processes. *Water Science and Technology*. 59: 995-1002.
- Han, XQ; Widenhoefer, RA. (2004). Palladium-catalyzed oxidative alkoxylation of alpha-alkenyl beta-diketones to form functionalized furans. *J Org Chem*. 69: 1738-1740.
- Han, YW; Pence, JW; Anderson, AW. Dioxane treatment to improve microbial digestibility of cellulosic fibers. *Applied microbiology*. May 1975, 29 (5): 708-709.
- Hanaya, T; Sato, N; Yamamoto, H. (2005). An efficient synthesis of methyl 1,3-O-isopropylidene-alpha-D-fructofuranoside and 2,3 : 5,6-di-O-isopropylidene-D-glucose dimethyl acetal derivatives from sucrose. *Carbohydr Res*. 340: 2494-2501.
- Handke, G; Krause, N. (1993). Diastereoselective 1,6-addition reactions of organocuprates to chiral 5-alkynylidene-1,3-dioxan-4-ones. *Tetrahedron Letters*. 34: 6037-6040.
- Hanna, I. (1999). Synthesis of substituted furans using 1,4-dioxene. *Tetrahedron Letters*. 40: 2521-2524.
- Hannaford, AJ. (1967). The optical rotation of some carbohydrate derivatives in p-dioxan-water mixtures. *Carbohydr Res*. 3: 295-299.
- Hansen, AL; Skrydstrup, T. (2005). Fast and regioselective Heck couplings with N-acyl-N-vinylamine derivatives. *J Org Chem*. 70: 5997-6003.
- Hao, J; Xu, F; Liu, HJ; Liu, DH. (2006). Downstream processing of 1,3-propanediol fermentation broth. *J Chem Tech Biotechnol*. 81: 102-108.
- Harabe, T; Matsumoto, T; Shioiri, T. (2009). Esters of 2,5-multisubstituted-1,3-dioxane-2-carboxylic acid: their conformational analysis and selective hydrolysis. *Tetrahedron*. 65: 4044-4052.

Environmental Hazard Literature Search Results

Off Topic

- Harada, D; Takada, C; Nosaka, Y; Takashima, Y; Kobayashi, K; Takaba, K; Manabe, H. (2009). Effect of orally administered KF66490, a phosphodiesterase 4 inhibitor, on dermatitis in mouse models. *Int Immunopharmacol.* 9: 55-62.
- Harada, T; Egusa, T; Igarashi, Y; Kinugasa, M; Oku, A. (2002). Inter- and intramolecular differentiation of enantiotopic dioxane acetals through oxazaborolidinone-mediated enantioselective ring-cleavage reaction: Kinetic resolution of racemic 1,3-alkanediols and asymmetric desymmetrization of meso-1,3-polyols. *J Org Chem.* 67: 7080-7090.
- Harada, T; Nakamura, T; Kinugasa, M; Oku, A. (1999). Mechanism of chiral Lewis acid mediated enantiotopic group-selective ring cleavage of cyclic acetals derived from meso-1,2-diols. *J Org Chem.* 64: 7594-7600.
- Harms, JE; Benveniste, M; Maclean, JKF; Partin, KM; Jamieson, C. (2013). Functional analysis of a novel positive allosteric modulator of AMPA receptors derived from a structure-based drug design strategy. *Neuropharmacology.* 64: 45-52.
- Harnden, MR; Jarvest, RL. (1985). An improved synthesis of the antiviral acyclonucleoside 9-(4-hydroxy-3-hydroxymethylbut-1-yl)guanine. *Tetrahedron Letters.* 26: 4265-4268.
- Harnden, MR; Jarvest, RL; Bacon, TH; Boyd, MR. (1987). Synthesis and antiviral activity of 9-[4-hydroxy-3-(hydroxymethyl)but-1-yl]purines. *J Med Chem.* 30: 1636-1642.
- Harries, HJ; Savage, S; Wright, G; Logan, N. (1969). Complex formation by N-substituted acetoacetamides^{III}: Stabilities of divalent metal chelates of acetoacetanilides. *Journal of Inorganic and Nuclear Chemistry.* 31: 2477-2483.
- Harris, GC; Hausken, ZE; Williams, JT. (1992). Cocaine induced synchronous oscillations in central noradrenergic neurons in vitro. *Neuroscience.* 50: 253-257.
- Harris, M; Zacharewski, T; Piskorska-Pliszczynska, J; Rosengren, R; Safe, S. (1990). Structure-dependent induction of aryl hydrocarbon hydroxylase activity in C57BL/6 mice by 2,3,7,8-tetrachlorodibenzo-p-dioxin and related congeners: Mechanistic studies. *Toxicol Appl Pharmacol.* 105: 243-253.
- Harris, RN; Anders, MW. (1980). Effect of Fasting, Diethyl Maleate, and Alcohols on Carbon Tetrachloride-Induced Hepatotoxicity. *TOXICOL AND APPL PHARMACOL.* 56: 191-198.
- Harris, RN; Anders, MW. (1981). Phosgene: A Possible Role in the Potentiation of Carbon Tetrachloride Hepatotoxicity by 2-Propanol. *Life Sci.* 29: 503-507.
- Harris, RN; Ratnayake, JH; Garry, VF; Anders, MW. (1982). Interactive Hepatotoxicity of Chloroform and Carbon Tetrachloride. *Toxicol Appl Pharmacol.* 63: 281-291.
- Harrison, DM. (1984). 1-acyl-2,3-dihydroxyindolines : A reinvestigation. *Tetrahedron Letters.* 25: 6063-6064.
- Harrison, JM; Inch, TD. (1981). A novel rearrangement of the adduct from CS-epoxide and dioxan-2-hydroperoxide. *Tetrahedron Letters.* 22: 679-682.
- Hartley, RJ. (1986). A KINETIC AND THERMODYNAMIC STUDY OF EXCIPLEX FLUORESCENCE QUENCHING BY ION PAIRS. PhD, University of Illinois at Urbana-Champaign.
- Hasbrouck, LJ; Risley, JM. (1998). Investigations utilizing the (18)O isotope shift in (13)C nuclear magnetic resonance spectroscopy. 3. Observation of a solvent dependence for tert-butyl alcohol. *Tetrahedron Letters.* 39: 4191-4194.
- Hasche, C; Mock, C; Otto, J; Schweppe, F; Kirschbaum, K; Krebs, B; Pinkerton, AA. (2000). Polymeric structures containing self-assembled Li⁺-dioxane networks; syntheses and crystal structures of [Li(dioxane)2.5TaCl4S]nⁿ·n/2 dioxane and {[Li2(dioxane)3Cl]n}[TaCl6]n. *Inorganica Chimica Acta.* 298: 9-15.
- Hasegawa, S; Azuma, M; Takahashi, K. (2008). Enzymatic esterification of lactic acid, utilizing the basicity of particular polar organic solvents to suppress the acidity of lactic acid. *J Chem Tech Biotechnol.* 83: 1503-1510.
- Hasegawa, S; Takahashi, S; Iwase, H; Koizumi, S; Ohnuma, M; Maekawa, Y. (2013). Crystal morphology-dependent graft polymerization in poly(ether ether ketone) films. *Polymer.* 54: 2895-2900.
- Hasell, T; Culshaw, JL; Chong, SY; Schmidtman, M; Little, MA; Jelfs, KE; Pyzer-Knapp, EO; Shepherd, H; Adams, DJ; Day, GM; Cooper, AI. (2014). Controlling the Crystallization of Porous Organic Cages: Molecular Analogs of Isoreticular Frameworks Using Shape-Specific Directing Solvents. *J Am Chem Soc.* 136: 1438-1448.
- Haseman, JK. (1990). Use of statistical decision rules for evaluating laboratory animal carcinogenicity studies. *Fundam Appl Toxicol.* 14: 637-648.
- Haseman, JK; Hailey, JR. (1997). An update of the National Toxicology Program database on nasal carcinogens. *Mutat Res.* 380: 3-11.
- Haseman, JK; Lockhart, A. (1994). The relationship between use of the maximum tolerated dose and study sensitivity for detecting rodent carcinogenicity. *Fundamental And Applied Toxicology.* 22: 382-391.
- Hashimoto, H; Baba, A; Hooper, K; Ladou, J; Rosenbaum, JS; Book, SA. (2009). Regulation of priority carcinogens and reproductive or developmental toxicants. *J Pharmacol Sci.* 109: 396-402.
- Hashimoto, T; Takagi, H; Hasegawa, Y; Matsui, H; Urushisaki, M; Sakaguchi, T. (2010). Living/controlled cationic cyclopolymerization of divinyl ether with a cyclic acetal moiety: Synthesis of poly(vinyl ether)s with high glass transition temperature based on incorporation of cyclized main chain and cyclic side chains. *Journal of polymer science.* 48: 952-958.
- Hassan, WM; Moustafa, H; Hamed, MN; Ali, LI; Halim, SA. (2014). DFT calculations and electronic absorption spectra of some, α - and γ -pyrone derivatives. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy.* 117: 587-597.
- Hatfield, R; Ralph, J; Grabber, JH. (2008). A potential role for sinapyl p-coumarate as a radical transfer mechanism in grass lignin formation. *Planta.* 228: 919-928.
- Hattori, H; Matsushita, T; Yoshitomi, K; Katagiri, A; Nemoto, H. (2012). An Efficient Method for the Refinement of 1,3-Methyleneglycerol via Bridged Acetal Exchange and the Synthesis of a Symmetrically Branched Glycerol Trimer. *Synthesis-Stuttgart.* 44: 2365-2373.
- Hattori, K; Sajiki, H; Hirota, K. (2000). Pd/C(en)-catalyzed chemoselective hydrogenation with retention of the N-Cbz protective group and its scope and limitations. *Tetrahedron.* 56: 8433-8441.

Environmental Hazard Literature Search Results

Off Topic

- Hayashi, T; Ishigedani, M. (2001). Rhodium-catalyzed asymmetric arylation of alpha,beta-unsaturated imines with arylstannanes. Catalytic asymmetric synthesis of allylic amines. *Tetrahedron*. 57: 2589-2595.
- Hayashida, M; Fujii, T; Hamasu, M; Ishiguro, M; Hata, Y. (2003). Crystallization and preliminary X-ray analysis of lectin C from the roots of pokeweed (*Phytolacca americana*). *Acta Crystallographica Section D-Biological Crystallography*. 59: 1249-1252.
- Hayashida, O; Hamachi, I. (2004). Fluorophore appended saccharide cyclophane: Self-association, fluorescent properties, heterodimers with cyclodextrins, and cross-linking behavior with peanut agglutinin of dansyl-modified saccharide cyclophane. *J Org Chem*. 69: 3509-3516.
- Hayashida, O; Ogawa, N; Uchiyama, M. (2007). Surface recognition and fluorescence sensing of histone by dansyl-appended cyclophane-based resorcinarene trimer. *J Am Chem Soc*. 129: 13698-13705.
- Hayes, R; Schofield, JM; Smalley, RK; Scopes, DIC. (1990). Photolytic ring-expansions of 6-azidoquinolines and 6-azidodiazines: some unexpected azepine ring-opening reactions. *Tetrahedron*. 46: 2089-2096.
- He, F; Jia, HL; Liu, G; Wang, YP; Feng, J; Zhuo, RX. (2006). Enzymatic synthesis and characterization of novel biodegradable copolymers of 5-benzoyloxy-trimethylene carbonate with 1,4-dioxan-2-one. *Biomacromolecules*. 7: 2269-2273.
- He, L; Li, HQ; Neumann, H; Beller, M; Wu, XF. (2014). Highly Efficient Four-Component Synthesis of 4(3H)-Quinazolinones: Palladium-Catalyzed Carbonylative Coupling Reactions. *Angewandte Chemie-International Edition*. 53: 1420-1424.
- He, M-Y; Chen, S-C; Zhang, Z-H; Huang, K-L; Yin, F-H; Chen, Q. (2009). Four copper(II) coordination polymers with a tetrachlorinated benzenedicarboxylate ligand: Solvent effect on diversiform supramolecular arrays. *Inorganica Chimica Acta*. 362: 2569-2576.
- He, YB; Bian, Z; Kang, CQ; Cheng, YQ; Gao, LX. (2010). Novel C(3)-symmetrical triphenylbenzene-based organogelators with different linkers between phenyl ring and alkyl chain. *Tetrahedron*. 66: 3553-3563.
- He, ZM; Rice, JE; Lavoie, EJ. (1992). Synthesis of anti- and syn-diol epoxides of trans-4,5-dihydro-4,5-dihydroxybenzo(j)fluoranthene and trans-9,10-dihydro-9,10-dihydroxybenzo(j)fluoranthene. *J Org Chem*. 57: 1784-1789.
- He, ZX; Yao, YL; Lu, ZM; Ye, YF. (2014). Dynamic Metabolic and Transcriptional Profiling of *Rhodococcus* sp Strain YYL during the Degradation of Tetrahydrofuran. *Appl Environ Microbiol*. 80: 2656-2664.
- Heal, DJ; Cheetham, SC; Butler, SA; Gosden, J; Prow, MR; Buckett, WR. (1995). Receptor binding and functional evidence suggest that postsynaptic alpha 2-adrenoceptors in rat brain are of the alpha 2D subtype. *Eur J Pharmacol*. 277: 215-221.
- Heald, RA; Stevens, MF. (2003). Antitumour polycyclic acridines. Palladium(0) mediated syntheses of quino[4,3,2-kl]acridines bearing peripheral substituents as potential telomere maintenance inhibitors. *Organic & biomolecular chemistry*. 1: 3377-3389.
- Heard, PJ; King, PM; Sroiswan, P; Kaltsoyannis, N. (2003). Tricarbonylrhenium(I) halide complexes of chiral non-racemic 2-(dioxolanyl)-6-(dioxanyl)pyridine ligands: synthesis, NMR and DFT calculations. *Polyhedron*. 22: 3371-3378.
- Heberger, K; Lopata, A. (1998). Assessment of nucleophilicity and electrophilicity of radicals, and of polar and enthalpy effects on radical addition reactions. *J Org Chem*. 63: 8646-8653.
- Heckmann, B; Mioskowski, C; Lumin, S; Falck, JR; Wei, S; Capdevila, JH. (1996). Chiral acetals: Stereocontrolled syntheses of 16-, 17-, and 18-hydroxyeicosatetraenoic acids, cytochrome P-450 arachidonate metabolites. *Tetrahedron Letters*. 37: 1425-1428.
- Hedge, SS; Moy, TM; Perry, MR; Loeb, M; Eglon, RM. (1994). Evidence for the involvement of 5-hydroxytryptamine 4 receptors in 5-hydroxytryptophan-induced diarrhea in mice. *The Journal of pharmacology and experimental therapeutics*. 271: 741-747.
- Hegazy, MEF; Matsuda, H; Nakamura, S; Hussein, TA; Yoshikawa, M; Pare, PW. (2014). Chemical constituents and their antibacterial and antifungal activity from the Egyptian herbal medicine *Chiliadenus montanus*. *Phytochemistry*. 103: 154-161.
- Heijkants, R; Van Tienen, TG; De Groot, JH; Pennings, AJ; Buma, P; Veth, RPH; Schouten, AJ. (2006). Preparation of a polyurethane scaffold for tissue engineering made by a combination of salt leaching and freeze-drying of dioxane. *Journal of Materials Science*. 41: 2423-2428.
- Hellmer, L; Bolcsfoldi, G. (1992). An evaluation on the *Escherichia coli* K-12 uvrB/recA DNA repair host-mediated assay: I. In vitro sensitivity of the bacteria to 61 compounds. *Mutat Res*. 272: 145-160.
- Henning, R; Lattrell, R; Gerhards, HJ; Leven, M. (1987). Synthesis and neuroleptic activity of a series of 1-[1-(benzo-1,4-dioxan-2-ylmethyl)-4-piperidinyl]benzimidazolone derivatives. *J Med Chem*. 30: 814-819.
- Henry, R; Zhang, GGZ. (2007). Crystallographic characterization of several erythromycin a solvates: The environment of the solvent molecules in the crystal lattice. *J Pharm Sci*. 96: 1251-1257.
- Hepner, GW; Piken, EP. (1979). Detection of carcinogen-induced stimulation of cytochrome P-448-associated enzymes by 14CO2 breath analysis studies using dimethylaminoazobenzene. *Gastroenterology*. 76: 267-271.
- Herman, P; Murtaza, Z; Lakowicz, JR. (1999). Sensing of carbon dioxide by a decrease in photoinduced electron transfer quenching. *Analytical biochemistry*. 272: 87-93.
- Hermann, K; Sardini, S; Ruan, Y; Yoder, RJ; Chakraborty, M; Vyas, S; Hadad, CM; Badjic, JD. (2013). Method for the Preparation of Derivatives of Heptiptycene: Toward Dual-Cavity Baskets. *J Org Chem*. 78: 2984-2991.
- Hernandez, BS; Arensdorf, JJ; Focht, DD. (1995). Catabolic characteristic of biphenyl-utilizing isolates which cometabolize PCBs. *Biodegradation*. 6: 75-82.
- Hernandez, JM; Janssen, LJ. (2011). Thromboxane Prostanoid Receptor Activation Amplifies Airway Stretch-Activated Contractions Assessed in Perfused Intact Bovine Bronchial Segments. *J Pharmacol Exp Ther*. 339: 248-256.
- Hernandez-Montero, N; Meaurio, E; Elmiloudi, K; Sarasua, J-R. (2012). Novel miscible blends of poly(p-dioxanone) with poly(vinyl phenol). *European polymer journal*. 48: 1455-1465.
- Hernandez-Perni, G; Stengele, A; Leuenberger, H. (2005). Detection of percolation phenomena in binary polar liquids by broadband dielectric spectroscopy. *Int J Pharm*. 291: 197-209.

Environmental Hazard Literature Search Results

Off Topic

- Herndon, JW; Patel, PP. (1997). Effect of solvent polarity extremes on the coupling of cyclopropylcarbene-chromium complexes and alkynes: Synthesis of β^2 -alkoxycyclopentadienones, 2-cyclopentene-1,3-diones, and cis 4,5-disubstituted cyclopentenones. *Tetrahedron Letters*. 38: 59-62.
- Herrad \tilde{a} n, B; Cueto, Sn; Morcuende, A; Valverde, Sn. (1993). Regio- and enantioselective esterifications of polyoxygenated compounds catalyzed by lipases. *Tetrahedron: Asymmetry*. 4: 845-864.
- Herradon, B. (1991). Efficient synthesis of (R)-5-(2-hydroxyethyl)-2(5H)-furanone from (R)-malic acid. *Tetrahedron: Asymmetry*. 2: 191-194.
- Herrick-Davis, K; Titeler, M. (1988). [3H]spiroxatrine: a 5-HT_{1A} radioligand with agonist binding properties. *J Neurochem*. 50: 528-533.
- Hess, US; Whalen, SP; Sandoval, LM; Lynch, G; Gall, CM. (2003). Ampakines reduce methamphetamine-driven rotation and activate neocortex in a regionally selective fashion. *Neuroscience*. 121: 509-521.
- Hesse, IF; Johns, EJ. (1985). The role of alpha-adrenoceptors in the regulation of renal tubular sodium reabsorption and renin secretion in the rabbit. *Br J Pharmacol*. 84: 715-724.
- Hetrick, DM; Pandey, A. (1999). A methodology for establishing cleanup objectives in the unsaturated soil zone using sensitivity and uncertainty analysis for chemical fate and transport. *Journal Of Soil Contamination*. 8: 559-576.
- Hewitt, WR; Miyajima, H; Cote, MG; Hewitt, LA; Cianflone, DJ; Plaa, GL. (1982). Dose-Response Relationships in 1,3-Butanediol-Induced Potentiation of Carbon Tetrachloride Toxicity. *Toxicol Appl Pharmacol*. 64: 529-540.
- Hey, JA; Ito, T; Koss, MC. (1989). Mechanism of dexamphetamine-induced mydriasis in the anaesthetized rat. *Br J Pharmacol*. 96: 39-44.
- Hfaiedh, A; Ben Ammar, H; Soule, JF; Doucet, H. (2016). Palladium-catalyzed direct desulfitative C2 arylations of 3-halo-N-protected indoles using (hetero)arenesulfonyl chlorides. *Organic & Biomolecular Chemistry*. 14: 4947-4956.
- Hidalgo, A; Betancor, L; Lopez-Gallego, F; Moreno, R; Berenguer, J; Fernandez-Lafuente, R; Guisan, JM. (2003). Design of an immobilized preparation of catalase from *Thermus thermophilus* to be used in a wide range of conditions. Structural stabilization of a multimeric enzyme. *Enzyme Microb Technol*. 33: 278-285.
- Hildebrandt, A; Al Khalyfeh, K; Schaarschmidt, D; Korb, M. (2016). Multi-functionalized ferrocenes: "Synthesis and characterization". *Journal of Organometallic Chemistry*. 804: 87-94.
- Hill, CE; Klemm, M; Edwards, FR; Hirst, GD. (1993). Sympathetic transmission to the dilator muscle of the rat iris. *Journal of the autonomic nervous system*. 45: 107-123.
- Hill, L; Imam, SH; McNab, H; O'Neill, WJ. (2009). 3-Hydroxy-1H-pyrrole. *Synthesis-Stuttgart* 2535-2538.
- Hill, NS; Brown, E. (2000). Endophyte viability in seedling tall fescue treated with fungicides. *Crop Science*. 40: 1490-1491.
- Hilton, S; Naud, S; Caldwell, JJ; Boxall, K; Burns, S; Anderson, VE; Antoni, L; Allen, CE; Pearl, LH; Oliver, AW; Aherne, GW; Garrett, MD; Collins, I. (2010). Identification and characterisation of 2-aminopyridine inhibitors of checkpoint kinase 2. *Bioorganic & Medicinal Chemistry*. 18: 707-718.
- Hino, T; Nakagawa, M; Wakatsuki, T; Ogawa, K; Yamada, S. (1967). 1-(3-methyl-2-indolyl)pyridinium bromide: Synthesis and auto-oxidation of its catalytic hydrogenation product. *Tetrahedron*. 23: 1441-1450.
- Hiraoka, Y; Nakagawa, H; Murachi, S. (1979). Blood Properties of Rainbow Trout in Acute Hepatotoxicity by Carbon Tetrachloride. *Bulletin of the Japanese Society of Scientific Fisheries Vol 45, No 4, p 527-532, 1979 4 fig, 4 tab, 25 ref.*
- Hirohashi, M; Takasuna, K; Yamashita, N; Tamura, K. (1991). Pharmacological studies with the alpha 2-adrenoceptor antagonist midaglizole. Part I: Respiratory and cardiovascular systems. *Arzneimittel-Forschung*. 41: 9-18.
- Hirohashi, M; Tamura, K; Akashi, A. (1990). Intrinsic pressor activity of midaglizole, an alpha-2 adrenoceptor antagonist, in pithed rats. *Japanese journal of pharmacology*. 53: 519-520.
- Hirose, T; Begum, M; Sadequl Islam, M; Taniguchi, K; Yasutake, M. (2008). Resolution of β^1 -methylbenzylamine via diastereomeric salt formation using the naturally based reagent N-tosyl-(S)-phenylalanine together with a solvent switch technique. *Tetrahedron: Asymmetry*. 19: 1641-1646.
- Hirota, K; Hanamoto, T. (2011). Mizoroki-Heck Reaction of (1-Fluorovinyl)methyldiphenylsilane with Aryl Iodides. *J Org Chem*. 76: 8564-8568.
- Hjelle, JJ; Grubbs, JH; Beer, DG; Petersen. (1981). Inhibition of Rat Liver Aldehyde Dehydrogenase by Carbon Tetrachloride. *J Pharmacol Exp Ther*. 219: 821-826.
- Ho, KS; Aman, AM; Al-awar, RS; Shoichet, MS. (2012). Amphiphilic micelles of poly(2-methyl-2-carboxytrimethylene carbonate-co-D,L-lactide)-graft-poly(ethylene glycol) for anti-cancer drug delivery to solid tumours. *Biomaterials*. 33: 2223-2229.
- Ho, T-L; Liao, P-Y. (1994). Reductive rearrangement of 5-nitrobicyclo[2.2.1]hept-2-enes. Formation of 3-arylpyridines. *Tetrahedron Letters*. 35: 2211-2212.
- Ho, Y. (1995). Gas-phase chemistry of pentacoordinate silicon hydride ions. PhD, Purdue University.
- Hoch-Ligeti, C; Argus, MF; Arcos, JC. (1970). Induction of carcinomas in the nasal cavity of rats by dioxane. *Br J Cancer*. 24: 164-167.
- Hoch-Ligeti, C; Argus, MF; Arcos, JC. (1974). Oncogenic activity of an m-dioxane derivatives: 2,6-dimethyl-m-dioxan-4-ol acetate (dimethoxane). *J Natl Cancer Inst*. 53: 791-794.
- Hodosi, Gr. (1994). A novel method for the direct activation of aldehydes. Synthesis of carbohydrate acetals. *Tetrahedron Letters*. 35: 6129-6132.
- Hoffmann, RW; Kahrs, BC. (1996). Heptan-1,3,5,7-tetrol-diacetonides, flexible backbone segments with a marked conformational preference. *Tetrahedron Letters*. 37: 4479-4482.
- Hogan, TR; Steele, D. (1986). Vibrational absorption intensities in aliphatic ring systems II. High and low frequency separation of the F sum rules, and interactions with CCl₄. *Journal of Molecular Structure*. 141: 315-323.
- Holla, H; Labaied, M; Pham, N; Jenkins, ID; Stuart, K; Quinn, RJ. (2011). Synthesis of antitrypanosomal 1,2-dioxane derivatives based on a natural product scaffold. *Bioorganic & Medicinal Chemistry Letters*. 21: 4793-4797.

Environmental Hazard Literature Search Results

Off Topic

- Hollinger, MA. (1982). Biochemical evidence for pulmonary endothelial cell injury after carbon tetrachloride administration in mice. *J Pharmacol Exp Ther.* 222: 641-644.
- Holm, RH; Donahue, JP. (1993). A thermodynamic scale for oxygen atom transfer reactions. *Polyhedron.* 12: 571-589.
- Holmgren, A; Zhang, LM; Henriksson, G. (2008). Monolignol dehydrogenative polymerization in vitro in the presence of dioxane and a methylated beta-beta ' dimer model compound. *Holzforchung.* 62: 508-513.
- Hom, GK; Lassila, JK; Thomas, LM; Mayo, SL. (2005). Dioxane contributes to the altered conformation and oligomerization state of a designed engrailed homeodomain variant. *Protein Science.* 14: 1115-1119.
- Homer, J; Valdivieso Cedeño, ER. (1983). An assessment of the use of proton-13c satellite and proton-12c relaxation studies for the isolation of intra- and intermolecular contributions to t1 for organic molecules. *Tetrahedron.* 39: 2847-2849.
- Hon, YS; Chang, CP; Wong, YC. (2004). Tishchenko reactions and Oppenauer oxidation reactions of aldehydes promoted by diisobutylaluminum hydride. *Tetrahedron Letters.* 45: 3313-3315.
- Hong, X. (2011). Production of value-added chemicals from glycerol via a six-membered cyclic acetal. PhD, Michigan State University.
- Hong, Z; Reis, RL; Mano, JF. (2008). Preparation and in vitro characterization of scaffolds of poly(L-lactic acid) containing bioactive glass ceramic nanoparticles. *Acta Biomater.* 4: 1297-1306.
- Hoppe, D; Schmincke, H; Kleemann, H-W. (1989). Studies toward the total synthesis of 1-oxacephalosporins 1: 3-amino-4-thio-2-azetidinones with protected ̂³.̂¹-dihydroxyalkenoate side chain. *Tetrahedron.* 45: 687-694.
- Horcajada, C; Cid, E; Guinovart, JJ; Verdaguer, N; Ferrer, JC. (2003). Crystallization and preliminary X-ray analysis of the glycogen synthase from *Pyrococcus abyssi*. *Acta Crystallographica Section D-Biological Crystallography.* 59: 2322-2324.
- Horinaka, J-i; Takaki, T; Takigawa, T. (2011). Mechanical behavior of a single polymer chain in a non-solvent. *Polymer.* 52: 5644-5647.
- Horstman, DA; Brandon, S; Wilson, AL; Guyer, CA; Cragoe, EJ, Jr.; Limbird, LE. (1990). An aspartate conserved among G-protein receptors confers allosteric regulation of alpha 2-adrenergic receptors by sodium. *The Journal of biological chemistry.* 265: 21590-21595.
- Hosoya, A; Umino, Y; Narita, T; Hamana, H. (2008). Carbon-carbon bond formation by radical addition of ̂-trifluoromethylacrylate with cyclic ethers. *Journal of Fluorine Chemistry.* 129: 91-96.
- Hosoyama, H; Shigemori, H; Kobayashi, J. (2000). Further unexpected boron trifluoride-catalyzed reactions of taxoids with alpha- and beta-4,20-epoxides. *Journal of the Chemical Society-Perkin Transactions 1* 449-451.
- Hostetler, ED; Burns, HD. (2002). A remote-controlled high pressure reactor for radiotracer synthesis with (11)C carbon monoxide. *Nucl Med Biol.* 29: 845-848.
- Hou, K-C. (1984). ALPHA-HYDROXYLATION OF KETONES USING HYPERVALENT IODINE COMPOUNDS. PhD, University of Illinois at Chicago.
- Hou, Q; Grijpma, DW; Feijen, J. (2009). Creep-resistant elastomeric networks prepared by photocrosslinking fumaric acid monoethyl ester-functionalized poly(trimethylene carbonate) oligomers. *Acta Biomater.* 5: 1543-1551.
- Hou, QP; Grijpma, DW; Feijen, J. (2003). Preparation of interconnected highly porous polymeric structures by a replication and freeze-drying process. *Journal of Biomedical Materials Research Part B-Applied Biomaterials.* 67B: 732-740.
- Hsu, HP; Hansmann, UHE; Lin, SC. (2001). Structure determination of organic molecules from diffraction data by simulated annealing. *Physical Review E.* 6405: 6707-6707.
- Hsu, WH; Shaw, RN; Schaffer, DD; Crump, MH; Greer, MH. (1987). Further evidence to support the alpha 2-adrenergic nature of amitraz-induced decrease in intestinal motility. *Archives internationales de pharmacodynamie et de therapie.* 286: 145-151.
- Hsu, WH; Smith, BE; Hollingworth, RM. (1988). The bradycardic and mydriatic effects of chlordimeform and its demethylated analogs in the rat: antagonism by idazoxan but not by prazosin. *Life Sci.* 43: 1897-1904.
- Hu, L; Lu, XJ; Deng, L. (2015). Catalytic Enantioselective Peroxidation of alpha,beta-Unsaturated Aldehydes for the Asymmetric Synthesis of Biologically Important Chiral Endoperoxides. *J Am Chem Soc.* 137: 8400-8403.
- Hu, L; Xiong, F; Chen, X; Chen, W; He, Q; Chen, F. (2013). Synthetic studies on statins. Part 1: a short and cyanide-free synthesis of atorvastatin calcium via an enantioselective aldol strategy. *Tetrahedron: Asymmetry.* 24: 207-211.
- Hu, X; Chen, X; Cheng, H; Jing, X. (2009). Cinnamate-functionalized poly(ester-carbonate): Synthesis and its UV irradiation-induced photocrosslinking. *Journal of polymer science.* 47: 161-169.
- Hu, X; Chen, X; Liu, S; Shi, Q; Jing, X. (2008). Novel aliphatic poly(ester-carbonate) with pendant allyl ester groups and its folic acid functionalization. *Journal of polymer science.* 46: 1852-1861.
- Hu, X; Chen, X; Xie, Z; Cheng, H; Jing, X. (2008). Aliphatic poly(ester-carbonate)s bearing amino groups and its RGD peptide grafting. *Journal of polymer science.* 46: 7022-7032.
- Hu, X; Chen, X; Xie, Z; Liu, S; Jing, X. (2007). Synthesis and characterization of amphiphilic block copolymers with allyl side-groups. *Journal of polymer science.* 45: 5518-5528.
- Hu, X; Han, R; Quan, LH; Liu, CY; Liao, YH. (2013). Stabilization and sustained release of zeylenone, a soft cytotoxic drug, within polymeric micelles for local antitumor drug delivery. *Int J Pharm.* 450: 331-337.
- Hu, XQ; Dyer, DC. (1997). Heterogeneity and complexity of alpha 1-adrenoceptors in the ovine uterine artery and umbilical vein. *Eur J Pharmacol.* 324: 67-75.
- Hu, XX; Shen, H; Yang, F; Bei, JZ; Wang, SG. (2008). Preparation and cell affinity of microtubular orientation-structured PLGA(70/30) blood vessel scaffold. *Biomaterials.* 29: 3128-3136.
- Hu, Y; Skalitzky, DJ; Rychnovsky, SD. (1996). Prins cyclization of 4-allyl-1,3-dioxanes prepared from 1,3-diol synthons. A rapid entry into functionalized tetrahydropyrans. *Tetrahedron Letters.* 37: 8679-8682.
- Hua, FJ; Kim, GE; Lee, JD; Son, YK; Lee, DS. (2002). Macroporous poly(L-lactide) scaffold 1. Preparation of a macroporous scaffold by liquid-liquid phase separation of a PLLA-dioxane-water system. *J Biomed Mater Res.* 63: 161-167.

Environmental Hazard Literature Search Results

Off Topic

- Huang, CL; Harrison, BK; Madura, J; Dolfig, J. (1996). Gibbs free energies of formation of PCDDs: Evaluation of estimation methods and application for predicting dehalogenation pathways. *Environ Toxicol Chem.* 15: 824-836.
- Huang, DW; Bing, YX; Yi, H; Hong, W; Lai, C; Guo, QW; Niu, CG. (2015). An optical-fiber sensor based on time-gated fluorescence for detecting water content in organic solvents. *Analytical Methods.* 7: 4621-4628.
- Huang, GB; Wang, SH; Ke, H; Yang, LP; Jiang, W. (2016). Selective Recognition of Highly Hydrophilic Molecules in Water by Endo-Functionalized Molecular Tubes. *J Am Chem Soc.* 138: 14550-14553.
- Huang, HL; Shen, DS; Li, N; Shan, D; Shentu, JL; Zhou, YY. (2014). Biodegradation of 1,4-Dioxane by a Novel Strain and Its Biodegradation Pathway. *Water Air and Soil Pollution.* 225: 2135-2135.
- Huang, JW; Chen, CD; Leung, MK. (1999). Magnesium bromide promoted barbiere-type intramolecular cyclization of halo-substituted acetals, ketals, and orthoesters. *Tetrahedron Letters.* 40: 8647-8650.
- Huang, K; Merced, FG; Ortiz-Marciales, M; Melendez, HJ; Correa, W; De Jesus, M. (2008). Highly enantioselective borane reduction of heteroaryl and heterocyclic ketoxime ethers catalyzed by novel spiroborate ester derived from diphenylvalinol: Application to the synthesis of nicotine analogues. *J Org Chem.* 73: 4017-4026.
- Huang, Q. (1998). Investigations of polymer dynamics and interaction at the air/liquid interface and in the bulk solution by laser light scattering. PhD, The University of Nebraska - Lincoln.
- Huang, W; Ni, C; Zhao, Y; Gao, B; Hu, J. (2012). Nucleophilic difluoromethylation of N,N-acetals with TMSCF₂SO₂Ph reagent promoted by trifluoroacetic acid: A facile access to 1,1-difluoromethylated tertiary amines. *Journal of Fluorine Chemistry.* 143: 161-166.
- Huang, X-N; Du, F-S; Zhang, B; Zhao, J-Y; Li, Z-C. (2008). Acid-labile, thermoresponsive (meth)acrylamide polymers with pendant cyclic acetal moieties. *Journal of polymer science.* 46: 4332-4343.
- Huang, Y; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2016). Analysis of Lignin Aromatic Structure in Wood Fractions Based on IR Spectroscopy. *Journal of Wood Chemistry and Technology.* 36: 377-382.
- Huang, Y; Wang, Z; Wang, L; Chao, Y; Akiyama, T; Yokoyama, T; Matsumoto, Y. (2016). Hemicellulose Composition in Different Cell Wall Fractions Obtained using a DMSO/LiCl Wood Solvent System and Enzyme Hydrolysis. *Journal of Wood Chemistry and Technology.* 36: 56-62.
- Huang, YC; Guan, CJ; Tan, XL; Chen, CC; Guo, QX; Li, YM. (2015). Accelerated Fmoc solid-phase synthesis of peptides with aggregation-disrupting backbones. *Organic & Biomolecular Chemistry.* 13: 1500-1506.
- Huang, YY; He, YM; Zhou, HF; Wu, L; Li, BL; Fan, QH. (2006). Thermomorphic system with non-fluorous phase-tagged Ru(BINAP) catalyst: Facile liquid/solid catalyst separation and application in asymmetric hydrogenation. *J Org Chem.* 71: 2874-2877.
- Huck, NPM; Meetsma, A; Zijlstra, R; Feringa, BL. (1995). Synthesis, crystal and molecular structure and dynamic behaviour of new dimethyldioxanedione based inherently dissymmetric overcrowded alkenes. *Tetrahedron Letters.* 36: 9381-9384.
- Hudson, H, Jr.; Glenn, JF. (1979). New synthetic absorbable suture. *The Journal of urology.* 122: 429.
- Huenke, FU; Nucci, R; Cowan, D. (1999). Effect of water miscible organic solvents on kinetics of a thermostable beta-glycosidase. *Biocatalysis and Biotransformation.* 17: 251-267.
- Hugel, G; L  vy, J. (1993). Radical-ion chemistry of natural indolenines: 19,20-dehydrotubifoline. *Tetrahedron Letters.* 34: 633-634.
- Hull, JWJ. (1983). TRANSITION METAL COMPLEXES OF SEVERELY CROWDED ORGANIC MOLECULES AND ORTHO-XYLYLENES. PhD, University of Minnesota.
- Hume, SP; Lammertsma, AA; Opacka-Juffry, J; Ahier, RG; Myers, R; Cremer, JE; Hudson, AL; Nutt, DJ; Pike, VW. (1992). Quantification of in vivo binding of [³H]RX 821002 in rat brain: evaluation as a radioligand for central alpha 2-adrenoceptors. *International journal of radiation applications and instrumentation Part B, Nuclear medicine and biology.* 19: 841-849.
- Hunter, HW. (1937). FLUORESCENCE AND RAMAN SCATTERING OF DIOXANE. PhD, Indiana University.
- Hunter, NR; Green, NA; McKinnon, DM. (1980). A novel solvolytic rearrangement of 2,2-dimethyl-5-(1-Bromomethylethylidene)-1, 3-dioxane-4,6-dione. *Tetrahedron Letters.* 21: 4589-4592.
- Hur, NH. (1987). Synthesis and reactivity of iso- and hetero-polyoxotungstates containing organic subunits. PhD, University of Illinois at Urbana-Champaign.
- Hurd, CD; Kharasch, N. (1947). Reaction of the dioxane-sulfotrioxide reagent with aniline; classification of the sulfamic acids. *J Am Chem Soc.* 69: 2113-2115.
- Hwang, S; Lee, Y-W; Lee, C-H; Ahn, I-S. (2008). Manganese(III) acetate-catalyzed synthesis of polyguaiaicol. *Journal of polymer science.* 46: 6009-6015.
- Hwu, JR; Josephrajan, T; Tsay, SC. (2006). Silicon-catalyzed conversion of nitro compounds into ketones and poly(1,3-diketones). *Synthesis-Stuttgart*3305-3308.
- Hyun, H; Cho, JS; Kim, BS; Lee, JW; Kim, MS; Khang, G; Park, K; Lee, HB. (2008). Comparison of micelles formed by amphiphilic star block copolymers prepared in the presence of a nonmetallic monomer activator. *Journal of polymer science.* 46: 2084-2096.
- Ibarra, DDdFayTaCndnyEEAdIPNDFM; eacut; Hong, EDtdFayTTaCdInydtAdIPND; xico; Villai  n, CDDdFayTaCdInydtAIPNDFM  ; Narain, R; Gonzales, M; Hoffman, AS; Stayton, PS; Krishnan, KM. (1992). Synthesis of monodisperse biotinylated p(NIPAAm)-coated iron oxide magnetic nanoparticles and their bioconjugation to streptavidin. *Life Sci.* 51: PL1-6.
- Ichinohe, M; Sekiyama, H; Fukaya, N; Sekiguchi, A. (2000). On the role of cis,trans-(t-Bu(3)SiGeCl)(3) in the reaction of GeCl(2)center dot dioxane with tri-tert-butylsilylsodium: Evidence for existence of digermanylsodium t-Bu(3)SiGe(Cl)(2)Ge(Cl)(Na)Sit-Bu(3) and digermene t-Bu(3)Si(Cl)Ge=Ge(Cl)Sit-Bu(3). *J Am Chem Soc.* 122: 6781-6782.
- Iehl, J; Nierengarten, JF; Harriman, A; Bura, T; Ziessel, R. (2012). Artificial Light-Harvesting Arrays: Electronic Energy Migration and Trapping on a Sphere and between Spheres. *J Am Chem Soc.* 134: 988-998.

Environmental Hazard Literature Search Results

Off Topic

- Iglesias, E. (2003). Tautomerization of 2-acetylcyclohexanone. 1. Characterization of keto-enol/enolate equilibria and reaction rates in water. *J Org Chem.* 68: 2680-2688.
- Iglesias-Martinez, E; Brandariz, I; Penedo, F. (2006). Ester hydrolysis and nitrosative deamination of novocaine in aqueous solutions. *Chem Res Toxicol.* 19: 594-600.
- Iguro, C; Furuichi, T; Ishii, K; Kim, S. (2013). Prediction Of 1,4-Dioxane Dispersion Based On Change In Groundwater Flow After Remedial Measures By Three-Dimensional Numerical Simulation - Toward A Permanent Measure For Aomori-Iwate Illegal Dumping Site. *Journal of Japan Society of Civil Engineers, Ser G (Environmental Research).* 68: II_265-II_272.
- Ikeda, T; Masuda, T; Takayama, M; Adachi, H; Haino, T. (2016). Solvent-induced emission of organogels based on tris(phenylisoxazolyl)benzene. *Organic & Biomolecular Chemistry.* 14: 36-39.
- Ikehata, K; Wang-Staley, L; Qu, XY; Li, Y. (2016). Treatment of Groundwater Contaminated with 1,4-Dioxane, Tetrahydrofuran, and Chlorinated Volatile Organic Compounds Using Advanced Oxidation Processes. *Ozone-Science & Engineering.* 38: 413-424.
- Imamoto, T; Yokoyama, H; Yokoyama, M. (1982). The reaction of aryl methyl ketones with aromatic aldehydes in trimethylsilyl polyphosphate (PPSE). Formation of meso-2,4,6-trisubstituted-5-acyl-1,3-dioxanes. *Tetrahedron Letters.* 23: 1467-1470.
- Imasaka, T; Imasaka, T. (2012). Searching for a molecule with a wide frequency domain for non-resonant two-photon ionization to measure the ultrashort optical pulse width. *Optics Communications.* 285: 3514-3518.
- Immel, S; Fujita, K; Fukudome, M; Bolte, M. (2001). Two stereoisomeric 3(I),2(II)-anhydro- α -cyclodextrins: a molecular dynamics and crystallographic study. *Carbohydr Res.* 336: 297-308.
- Imoto, M; Satake, T; Sugiyama, S; Ozawa, T. (1982). Reappraisal of carbon tetrachloride-induced hepatoinjury. *J APPL BIOCHEM.* 4: 364-370.
- Inagami, T; Sturtevant, JM. (1960). The trypsin-catalyzed hydrolysis of benzoyl-L-arginine ethyl ester: I. The kinetics in dioxane-water mixtures. *Biochimica et Biophysica Acta.* 38: 64-79.
- Inami, K; Mochizuki, M. (2002). Chemical models for cytochrome P450 as a biomimetic metabolic activation system in mutation assays. *Mutation Research-Genetic Toxicology and Environmental Mutagenesis.* 519: 133-140.
- Indolese, AF. (1997). Suzuki-type coupling of chloroarenes with arylboronic acids catalysed by nickel complexes. *Tetrahedron Letters.* 38: 3513-3516.
- Inoue, D; Tsunoda, T; Sawada, K; Yamamoto, N; Saito, Y; Sei, K; Ike, M. (2016). 1,4-Dioxane degradation potential of members of the genera *Pseudonocardia* and *Rhodococcus*. *Biodegradation.* 27: 277-286.
- Irving, HMNH; Mahnot, US. (1968). pH-meter corrections for titrations in mixtures of water and dioxan. *Journal of Inorganic and Nuclear Chemistry.* 30: 1215-1220.
- Isaka, K; Udagawa, M; Kimura, Y; Sei, K; Ike, M. (2016). Biological wastewater treatment of 1,4-dioxane using polyethylene glycol gel carriers entrapping *Afipia* sp D1. *J Biosci Bioeng.* 121: 203-208.
- Isaka, K; Udagawa, M; Sei, K; Ike, M. (2016). Pilot test of biological removal of 1,4-dioxane from a chemical factory wastewater by gel carrier entrapping *Afipia* sp. strain D1. *J Hazard Mater.* 304: 251-258.
- Ishii, K; Kubo, H; Yamasaki, R. (2002). Synthesis of α -lactosyl-(1 \rightarrow 3)-L-glycero- α -D-manno-heptopyranoside, a partial oligosaccharide structure expressed within the lipooligosaccharide produced by *Neisseria gonorrhoeae* strain 15253. *Carbohydr Res.* 337: 11-20.
- Ishikawa, J; Sakamoto, H; Nakao, S; Wada, H. (1999). Silver ion selective fluoroionophores based on anthracene-linked polythiaalkane or polythiaalkane derivatives. *J Org Chem.* 64: 1913-1921.
- Ishikawa, T; Shimizu, K; Ishii, H; Ikeda, S; Saito, S. (2001). Simultaneous discrimination of diastereotopic groups and faces: the first example in intramolecular 3+2 and 2+2+1 cycloaddition reactions. *J Org Chem.* 66: 3834-3847.
- Ishimoto, K; Arimoto, M; Okuda, T; Yamaguchi, S; Aso, Y; Ohara, H; Kobayashi, S; Ishii, M; Morita, K; Yamashita, H; Yabuuchi, N. (2012). Biobased Polymers: Synthesis of Graft Copolymers and Comb Polymers Using Lactic Acid Macromonomer and Properties of the Product Polymers. *Biomacromolecules.* 13: 3757-3768.
- Ishiyama, T; Ishida, K; Miyaura, N. (2001). Synthesis of pinacol arylboronates via cross-coupling reaction of bis(pinacolato)diboron with chloroarenes catalyzed by palladium(0)-tricyclohexylphosphine complexes. *Tetrahedron.* 57: 9813-9816.
- Ishiyama, T; Itoh, Y; Kitano, T; Miyaura, N. (1997). Synthesis of arylboronates via the palladium(0)-catalyzed cross-coupling reaction of tetra(alkoxo)diborons with aryl triflates. *Tetrahedron Letters.* 38: 3447-3450.
- Ishiyama, T; Oh-e, T; Miyaura, N; Suzuki, A. (1992). Palladium-catalyzed iminocarbonylative cross-coupling reaction between haloarenes, t-BuNC, and 9-alkyl-9-BBN derivatives. Synthesis of alkyl aryl ketones. *Tetrahedron Letters.* 33: 4465-4468.
- Ishiyama, T; Takagi, J; Kamon, A; Miyaura, N. (2003). Palladium-catalyzed cross-coupling reaction of bis(pinacolato)diboron with vinyl triflates $\hat{\text{T}}^2$ -substituted by a carbonyl group: efficient synthesis of $\hat{\text{T}}^2$ -boryl- $\hat{\text{T}}^2$ -unsaturated carbonyl compounds and their synthetic utility. *Journal of Organometallic Chemistry.* 687: 284-290.
- Itaya, T; Iida, T; Gomyo, Y; Natsutani, I; Ohba, M. (2002). Efficient synthesis and hydrolysis of cyclic oxalate esters of glycols. *Chemical & Pharmaceutical Bulletin.* 50: 346-353.
- Ito, C; Itoigawa, M; Katsuno, S; Omura, M; Tokuda, H; Nishino, H; Furukawa, H. (2000). Chemical constituents of *Clausena excavata*: Isolation and structure elucidation of novel furanone-coumarins with inhibitory effects for tumor-promotion. *J Nat Prod.* 63: 1218-1224.
- Ito, H; Imai, T; Lundquist, K; Yokoyama, T; Matsumoto, Y. (2011). Revisiting the Mechanism of $\hat{\text{T}}^2$ -O-4 Bond Cleavage During Acidolysis of Lignin. Part 3: Search for the Rate-Determining Step of a Non-Phenolic C6-C3 Type Model Compound. *Journal of Wood Chemistry and Technology.* 31: 172-182.
- Ito, S; Kogame, C; Akashi, M; Kida, T. (2016). Facile synthesis of novel cyclodextrin dimer capsules and their inclusion ability towards aromatic guests in a nonpolar solvent. *Tetrahedron Letters.* 57: 5243-5245.

Environmental Hazard Literature Search Results

Off Topic

- Ito, T; Koss, MC. (1988). Inhibition of a peripheral sympathetic-cholinergic system by presynaptic alpha 2-adrenoceptors. *Naunyn Schmiedeberg's Arch Pharmacol.* 337: 24-28.
- Ito, T; Shinohara, H; Nishimoto, S. (2000). Conformational effects on photophysical characteristics of C5-C5'-linked dihydrothymine dimers in solution. *Photochem Photobiol.* 72: 719-726.
- Iturriaga, H; Pino, ME; Pereda, T. (1981). CCl₄ sub(4) - Induced Liver Cirrhosis, in the Rat: Effects of Colchicine in its Induction and Recovery. *Revista Medica de Chile.* 109: 1045-1050.
- Iwanade, A; Umeno, D; Saito, K; Sugo, T. (2013). Dependence of protein binding capacity of dimethylamino- β -butyric-acid (DMGABA)-immobilized porous membrane on composition of solvent used for DMGABA immobilization. *Radiation physics and chemistry.* 87: 53-58.
- Iwasaki, Y; Yamasaki, A; Ishihara, K. (2003). Platelet compatible blood filtration fabrics using a phosphorylcholine polymer having high surface mobility. *Biomaterials.* 24: 3599-3604.
- Iyer, V; Mathur, NK. (1965). Determination of organic hydroxyl and amino compounds with o-sulphobenzoic anhydride. *Anal Chim Acta.* 33: 554-558.
- Izadmehri, Z; Ardjmand, M; Ganji, M; Babanezhad, E; Heydarinasab, A. (2015). Removal of dioxane pollutants from water by using Al-doped single walled carbon nanotubes. *RSC Advances.* 5: 48124-48132.
- Izquierdo, JF; Outon, PR; Galan, M; Jutglar, L; Villarrubia, M; Ariza, X. (2014). New biodiesel additives from glycerol and isoamylenes. *Biofuels Bioproducts & Biorefining-Biofpr.* 8: 658-669.
- Izumi, M; Murakami, M; Okamoto, R; Kajihara, Y. (2014). Safe and efficient Boc-SPPS for the synthesis of glycopeptide-alpha-thioesters. *J Pept Sci.* 20: 98-101.
- Izumi, T; Yagimura, Y; Haga, M. Enzymatic syntheses of N-lauroyl- β -alanine homologs in organic media. *Journal of the American Oil Chemists' Society.* July 1997. v. 74 (7): 875-878.
- Izumi, T; Yoshimura, Y; Inoue, H. Solvation of lysozyme in water/dioxane mixtures studied in the frozen state by NMR spectroscopy. *Archives of biochemistry and biophysics.* Apr 1, 1980. v. 200 (2): 444-451 ill.
- J.H. Kruithof, K; F. Schmitz, R; W. Klumpp, G. (1983). Lithiated 2-alkynyl-1,3-dioxanes as fully oxygenated acyl-anion equivalents Synthesis of 1-alkynyl ketones. *Tetrahedron.* 39: 3073-3081.
- Jãžhnichen, S; Spassov, V; Danchev, N. (2007). Affinity of a 1,4-benzodioxane derivative with alpha-adrenolytic activity to isolated synaptic membranes from rat brain. *Br J Pharmacol.* 151: 4.
- Jãžwiak, Mg; Kosiorowska, MA. (2012). Effect of temperature on the process of preferential solvation of 1,4-dioxane and 12-crown-4 ethers in the mixture of water with formamide. *Thermochemica acta.* 539: 62-66.
- Jackson, HC; Ball, DM; Nutt, DJ. (1990). Noradrenergic mechanisms appear not to be involved in cocaine-induced seizures and lethality. *Life Sci.* 47: 353-359.
- Jackson, HC; Griffin, IJ; Birkett, SD; Nutt, DJ. (1992). The effects of idazoxan and other alpha 2-adrenoceptor antagonists on urine output in the rat. *Br J Pharmacol.* 106: 443-446.
- Jackson, HC; Ripley, TL; Dickinson, SL; Nutt, DJ. (1991). Anticonvulsant activity of the imidazole 6,7-benzodiazoxan. *Epilepsy Res.* 9: 121-126.
- Jackson, RE; Dwarakanath, V. (1999). Chlorinated degreasing solvents: Physical-chemical properties affecting aquifer contamination and remediation. *Ground Water Monitoring and Remediation.* 19: 102-110.
- Jacob, M; Weiss, E. (1978). Darstellung und struktur von $(\beta$ -2-C₆H₅As₂C₆H₅)Fe(CO)₄, eine verbindung mit arsenobenzol als ligand. *Journal of Organometallic Chemistry.* 153: 31-38.
- Jacobs, A; le Roex, T; Nassimbeni, LR; Toda, F. (2006). Inclusion of volatile guests by a tetrapedal host: structure and kinetics. *Organic & Biomolecular Chemistry.* 4: 2452-2457.
- Jacopin, C; Laurent, M; Belmans, M; Kemps, L; Ceresiat, M; Marchand-Brynaert, J. (2001). 1 beta-methylcarbapenem intermediates via the thiolysis of a Meldrum's precursor. *Tetrahedron.* 57: 10383-10389.
- Jahan, MS; Chowdhury, DAN; Islam, MK; Moeiz, SMI. (2007). Characterization of lignin isolated from some nonwood available in Bangladesh. *Bioresour Technol.* 98: 465-469.
- Jahan, MS; Mun, SP. (2007). Characteristics of Dioxane Lignins Isolated at Different Ages of Nalita Wood (*Trema orientalis*). *Journal of Wood Chemistry and Technology.* 27: 83-98.
- Jahyo, K; Young, RC; Byoung, JK; Jae, UJ; Seongsu, L; Jae, HL; Chongsuh, P. (1990). Benzocyclobutenones from acylsilanes. *Tetrahedron Letters.* 31: 2713-2716.
- Jakab, Z; Mandi, A; Borbas, A; Benyei, A; Komaromi, I; Lazar, L; Antus, S; Liptak, A. (2009). Synthesis, regioselective hydrogenolysis, partial hydrogenation, and conformational study of dioxane and dioxolane-type (9'-anthracenyl)methylene acetals of sugars. *Carbohydr Res.* 344: 2444-2453.
- Jakobson, I; Wahlberg, JE; Holmberg, B; Johansson, G. (1982). Uptake via the Blood and Elimination of 10 Organic Solvents Following Epicutaneous Exposure of Anesthetized Guinea Pigs. *Toxicol Appl Pharmacol.* 63: 181-187.
- Jamal, F; Qidwai, T; Singh, D; Pandey, PK. (2012). Biocatalytic activity of immobilized pointed gourd (*Trichosanthes dioica*) peroxidase- α -concanavalin A complex on calcium alginate pectin gel. *Journal of molecular catalysis.* 74: 125-131.
- James, JL; Moody, DE; Chan, CH; Smuckler, EA. (1982). The phospholipids of the hepatic endoplasmic reticulum. Structural change in liver injury. *Biochemical Journal.* 206: 203-210.
- Jan, U; Husain, Q; Saleemuddin, M. (2001). Preparation of stable, highly active and immobilized glucose oxidase using the anti-enzyme antibodies and F(ab)'(2). *Biotechnology and Applied Biochemistry.* 34: 13-17.
- Janczak, J. (2011). 4+1 and 4+2 coordinated complexes of magnesium phthalocyanine with dioxane. *Polyhedron.* 30: 2933-2940.

Environmental Hazard Literature Search Results

Off Topic

- Jangra, SK; Neeti; Yadav, JS; Dimple; Sharma, VK. (2012). Excess molar enthalpies for binary and ternary mixtures containing cyclic ether, 2-methylaniline and aromatic hydrocarbons. *Thermochimica acta*. 530: 25-31.
- Janikowska, K; Makowiec, S; Rachon, J. (2012). Preparation of Pseudo-Peptide Building Blocks with retro-Thioamide Bond Mediated via Thiocarbamoyl Meldrum's Acid. *Helvetica Chimica Acta*. 95: 461-468.
- Janikowska, K; Makowiec, S; Rachon, J. (2013). Mechanism of the Reaction of Amines with 5-(Aryl- or Alkylamino)hydroxymethylene -2,2-dimethyl-1,3-dioxane-4,6-diones in the Presence of Chlorotrimethylsilane (Me₃SiCl). *Helvetica Chimica Acta*. 96: 978-984.
- Jankowski, P; Ogonczyk, D; Lisowski, W; Garstecki, P. (2012). Polyethyleneimine coating renders polycarbonate resistant to organic solvents. *Lab on a Chip*. 12: 2580-2584.
- Jansen, M; Otto, J; Jansen, PL; Anurov, M; Titkova, S; Willis, S; Rosch, R; Ottinger, A; Schumpelick, V. (1993). Mesh migration into the esophageal wall after mesh hiatoplasty: comparison of two alloplastic materials. *Br J Pharmacol*. 108: 597-603.
- Janssen, LJ; Tazzeo, T. (2002). Involvement of TP and EP(3) receptors in vasoconstrictor responses to isoprostanes in pulmonary vasculature. *J Pharmacol Exp Ther*. 301: 1060-1066.
- Jaroszyński, T. (1980). REMOVAL OF ORGANIC SOLVENTS FROM WASTEWATERS BY MEANS OF PHYSICO-CHEMICAL METHODS A2 - PAWLOWSKI, LUCJAN. *Physicochemical Methods for Water and Wastewater Treatment* 185-191.
- Jasmann, JR; Borch, T; Sale, TC; Blotevogel, J. (2016). Advanced Electrochemical Oxidation of 1,4-Dioxane via Dark Catalysis by Novel Titanium Dioxide (TiO₂) Pellets. *Environmental Science & Technology*. 50: 8817-8826.
- Jasmann, JR; Borch, T; Sale, TC; Blotevogel, J. (2016). Advanced Electrochemical Oxidation of 1,4-Dioxane via Dark Catalysis by Novel Titanium Dioxide (TiO₂) Pellets. *Environmental Science & Technology*. 50: 8817.
- Javid, FA; Naylor, RJ. (1999). Characterisation of 5-HT(2) receptor subtypes in the *Suncus murinus* intestine. *Eur J Pharmacol*. 381: 161-169.
- Jayabharathi, J; Thanikachalam, V; Vennila, M; Jayamoorthy, K. (2012). Potential fluorescent chemosensor based on L-tryptophan derivative: DFT based ESIPT process. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 95: 446-451.
- Jayanty, RKM; Tompkins, SB; Von, LEHMDENDJ. (1990). Summary of POHC audit results using VOST and bag methods during RCRA trial burns. *J Air Waste Manage Assoc*. 40: 1505-1509.
- Jeganmohan, M; Shanmugasundaram, M; Cheng, CH. (2004). Highly regio- and chemoselective palladium-catalyzed propargylallylation of activated olefins: A novel route to 1,7-enyne derivatives. *J Org Chem*. 69: 4053-4062.
- Jensen, J; Roling, JHD; Le, DQS; Kristiansen, AA; Nygaard, JV; Hokland, LB; Bendtsen, M; Kassem, M; Lysdahl, H; Bunger, CE. (2014). Surface-modified functionalized polycaprolactone scaffolds for bone repair: In vitro and in vivo experiments. *Journal of Biomedical Materials Research Part A*. 102: 2993-3003.
- Jeon, BW; Lee, J; Kim, HS; Cho, DH; Lee, H; Chang, R; Kim, YH. (2013). Lipase-catalyzed enantioselective synthesis of (R,R)-lactide from alkyl lactate to produce PDLA (poly D-lactic acid) and stereocomplex PLA (poly lactic acid). *J Biotechnol*. 168: 201-207.
- Jeon, MK; Kim, K. (2000). A facile synthesis of 5-(arylamino)(cyano)methylene -2,2-dimethyl-1,3-dioxane-4,6-diones. *Tetrahedron Letters*. 41: 1943-1945.
- Jeon, MK; Kim, K. (2000). Reactions of 5-(4-chloro-5H-1,2,3-dithiazol-5-ylidene)-2,2-dimethyl-1,3-dioxane-4,6-dione with primary and secondary alkylamines. *Journal of the Chemical Society-Perkin Transactions* 13107-3112.
- Jeon, MK; Kim, K. (2002). Synthesis of 3-(alkylamino and anilino)-4-benzyloxycarbonyl-1H-pyrrole-2,5-diones via 5-(alkylamino and anilino)(cyano) -2,2-dimethyl-1,3-dioxane-4,6-diones. *Tetrahedron Letters*. 43: 3415-3418.
- Jeong, MG; van, HJC; Kim, KT. (2012). Self-assembly of dendritic-linear block copolymers with fixed molecular weight and block ratio. *Chemical communications (Cambridge, England)*. 48: 3590-3592.
- Jetten, J; De, KRUIJFN; Van, DENBERGF. (1994). Polyethylene terephthalate bottles (PRBs): A health and safety assessment. *AU - FERON VJ. Food Additives And Contaminants*. 11: 571-594.
- Jewett, D; Lawless, JG. (1980). Formate esters of 1,2-ethanediol: Major decomposition products of p-dioxane during storage. *Bull Environ Contam Toxicol*. 25: 118-121.
- Ji, H; Wang, FP; Chen, QH. (2015). Epoxide Opening of a 7,17-Seco-7,8-Epoxy-C-19-Diterpenoid Alkaloid. *Natural Product Communications*. 10: 2071-2074.
- Jia, L; Albouy, P-A; Di Cicco, Al; Cao, A; Li, M-H. (2011). Self-assembly of amphiphilic liquid crystal block copolymers containing a cholesteryl mesogen: Effects of block ratio and solvent. *Polymer*. 52: 2565-2575.
- Jiang, GC; Iwanov, V; Moulds, RF. (1995). Increased sensitivity to inhibition by nifedipine of responses of the mesenteric artery bed of the SHRSP to noradrenaline is not dependent on alpha 1-adrenoceptor subtypes. *Journal of cardiovascular pharmacology*. 26: 79-84.
- Jiang, T; He, F; Zhuo, R-X. (2013). Synthesis, characterization and enzymatic degradation of novel biodegradable copolymers of 5-allyloxy-1,3-dioxan-2-one with ϵ -caprolactone. *Polymer degradation and stability*. 98: 325-330.
- Jiang, X; Sha, X; Xin, H; Chen, L; Gao, X; Wang, X; Law, K; Gu, J; Chen, Y; Jiang, Y; Ren, X; Ren, Q; Fang, X. (2011). Self-aggregated pegylated poly(trimethylene carbonate) nanoparticles decorated with c(RGDyK) peptide for targeted paclitaxel delivery to integrin-rich tumors. *Biomaterials*. 32: 9457-9469.
- Jiang, X; Xin, H; Gu, J; Du, F; Feng, C; Xie, Y; Fang, X. (2014). Enhanced antitumor efficacy by d-glucosamine-functionalized and paclitaxel-loaded poly(ethylene glycol)-co-poly(trimethylene carbonate) polymer nanoparticles. *J Pharm Sci*. 103: 1487-1496.
- Jiang, X; Xin, H; Gu, J; Xu, X; Xia, W; Chen, S; Xie, Y; Chen, L; Chen, Y; Sha, X; Fang, X. (2013). Solid tumor penetration by integrin-mediated pegylated poly(trimethylene carbonate) nanoparticles loaded with paclitaxel. *Biomaterials*. 34: 1739-1746.
- Jiang, X; Xin, H; Ren, Q; Gu, J; Zhu, L; Du, F; Feng, C; Xie, Y; Sha, X; Fang, X. (2014). Nanoparticles of 2-deoxy-D-glucose functionalized poly(ethylene glycol)-co-poly(trimethylene carbonate) for dual-targeted drug delivery in glioma treatment. *Biomaterials*. 35: 518-529.

Environmental Hazard Literature Search Results

Off Topic

- Jiang, X; Xin, H; Sha, X; Gu, J; Jiang, Y; Law, K; Chen, Y; Chen, L; Wang, X; Fang, X. (2011). PEGylated poly(trimethylene carbonate) nanoparticles loaded with paclitaxel for the treatment of advanced glioma: in vitro and in vivo evaluation. *Int J Pharm.* 420: 385-394.
- Jiménez-Ra; Segarra, O; Santacana, G; Hoffman, T; Savage, DD; Weiss, GK. (1996). Chronic imipramine treatment induces downregulation of alpha-2 receptors in rat's locus coeruleus and A2 region of the tractus solitarius. *Life Sci.* 58: 287-294.
- Jin, AX; Ren, JL; Peng, F; Xu, F; Zhou, GY; Sun, RC; Kennedy, JF. (2009). Comparative characterization of degraded and non-degradative hemicelluloses from barley straw and maize stems: Composition, structure, and thermal properties. *Carbohydr Polymer.* 78: 609-619.
- Jin, RS; Clark, S; Weeks, AM; Dudman, JT; Gouaux, E; Partin, KM. (2005). Mechanism of positive allosteric modulators acting on AMPA receptors. *J Neurosci.* 25: 9027-9036.
- Jin, X; Liu, BK; Ni, Z; Wu, Q; Lin, XF. (2011). A novel control of enzymatic enantioselectivity through the racemic temperature influenced by reaction media. *Enzyme Microb Technol.* 48: 454-457.
- Jindrich, J; Harata, K; Lindberg, B; Pitha, J; Seffers, P. (1997). Synthesis of 21,31-O-(propane-1,2-diyl)- and 21,31-O-(3-hydroxypropane-1,2-diyl)-cyclomaltoheptaose. *Carbohydr Res.* 300: 361-363.
- Jing, F; Hillmyer, MA. (2008). A bifunctional monomer derived from lactide for toughening polylactide. *J Am Chem Soc.* 130: 13826-13827.
- John, GW; Doxey, JC; Walter, DS; Reid, JL. (1990). Selective alpha 2-adrenoceptor blockade does not enhance glucose-evoked insulin release. *Eur J Pharmacol.* 187: 531-536.
- Johns, EJ; Maniatus, J. (1986). An investigation into the alpha-adrenoceptor mediating renal nerve-induced calcium reabsorption by the rat kidney. *Br J Pharmacol.* 89: 91-97.
- Johns, MM; Marshall, WE; Toles, CA. (1998). Agricultural by-products as granular activated carbons for adsorbing dissolved metals and organics. *J Chem Tech Biotechnol.* 71: 131-140.
- Johnson, JE; Morales, NM; Gorczyca, AM; Dolliver, DD; McAllister, MA. (2001). Mechanisms of acid-catalyzed Z/E isomerization of imines. *J Org Chem.* 66: 7979-7985.
- Johnson, SA; Tatebe, CJ; Gonzalez, S; Zeller, M; Bart, SC. Synthesis and characterization of hydrotris(3-phenylpyrazolyl)borate ligands on low-valent uranium. *Polyhedron.*
- Johnsson, R; Ohlin, M; Ellervik, U. (2010). Reductive Openings of Benzylidene Acetals Revisited: A Mechanistic Scheme for Regio- and Stereoselectivity. *J Org Chem.* 75: 8003-8011.
- Johnstone, RT. (1959). Death due to dioxane? *AMA archives of industrial health.* 20: 445-447.
- Jolivet-Fouchet, S; Fabis, Fdr; Rault, S. (1998). First direct synthesis of pyrrolo[1,2-a]thieno[3,2-e]- or [2,3-e][1,4]diazepines, thiophene analogues of pyrrolo[2,1-c][1,4]benzodiazepines. *Tetrahedron Letters.* 39: 5369-5372.
- Jonczyk, A; Wlostowska, J; Makosza, M. (2001). Reactions of tosylhydrazones of benzaldehyde and benzophenone with cyanoalkenes in a basic two-phase system. *Tetrahedron.* 57: 2827-2832.
- Jones, DH; Kim, HL. (1981). Toxicity of Hymenoxon in Swiss White Mice Following Pretreatment With Microsomal Enzyme Inducers, Inhibitors and Carbon Tetrachloride. *Research Communications in Molecular Pathology and Pharmacology.* 33: 361-364.
- Jones, TD; Easterly, CE. (1996). A RASH analysis of national toxicology program data: Predictions for 30 compounds to be tested in rodent carcinogenesis experiments. *Environ Health Perspect.* 104: 1017-1030.
- Joo, H; Chae, HJ; Yeo, JS; Yoo, YJ. (1997). Depolymerization of phenolic polymers using horseradish peroxidase in organic solvent. *Process Biochemistry.* 32: 291-296.
- Joo, H; Yoo, YJ; Ryu, DDY. (1996). A biosensor stabilized by polyethylene glycol for the monitoring of hydrogen peroxide in organic solvent media. *Enzyme Microb Technol.* 19: 50-56.
- Jorgensen, M; Krebs, FC. (2005). Stepwise unidirectional synthesis of oligo phenylene vinylenes with a series of monomers. Use in plastic solar cells. *J Org Chem.* 70: 6004-6017.
- Joshi, BP; Sharma, A; Sinha, AK. (2005). Ultrasound-assisted convenient synthesis of hypolipidemic active natural methoxylated (E)-arylalkenes and arylalkanones. *Tetrahedron.* 61: 3075-3080.
- Joshi, BP; Sharma, A; Sinha, AK. (2006). Efficient one-pot, two-step synthesis of (E)-cinnamaldehydes by dehydrogenation-oxidation of arylpropanes using DDQ under ultrasonic irradiation. *Tetrahedron.* 62: 2590-2593.
- Joshi, M; Joshi, NJ; Shah, DS; Hemavathi, KG; Gulati, OD. (1978). Studies on the sympathomimetic effects of guanoxan on smooth muscles of rat. *Arzneimittel-Forschung.* 28: 997-1000.
- Josyula, KVB; Gao, P; Hewitt, C. (2003). Dichloroborane-dioxane: an exceptional reagent for the preparation of alkenyl- and alkylboronic acids. *Tetrahedron Letters.* 44: 7789-7792.
- Jourdes, M; Cardenas, CL; Laskar, DD; Moinuddin, SGA; Davin, LB; Lewis, NG. (2007). Plant cell walls are enfeebled when attempting to preserve native lignin configuration with poly-p-hydroxycinnamaldehydes: Evolutionary implications. *Phytochemistry.* 68, issue 14: 1932-1956.
- Jourdi, H; Hamo, L; Oka, T; Seegan, A; Baudry, M. (2009). BDNF mediates the neuroprotective effects of positive AMPA receptor modulators against MPP+-induced toxicity in cultured hippocampal and mesencephalic slices. *Neuropharmacology.* 56: 876-885.
- Jourdi, H; Hsu, YT; Zhou, M; Qin, QY; Bi, XN; Baudry, M. (2009). Positive AMPA Receptor Modulation Rapidly Stimulates BDNF Release and Increases Dendritic mRNA Translation. *J Neurosci.* 29: 8688-8697.
- Jouyban, A. (2007). In silico prediction of drug solubility in water-dioxane mixtures using the Jouyban-Acree model. *Pharmazie.* 62: 46-50.
- Jouyban, A. (2007). Prediction of the optimized solvent composition for solubilization of drugs in water-cosolvent mixtures. *Pharmazie.* 62: 190-198.
- Jouyban, A; Chan, HK; Chew, NYK; Khoubnasabjafari, M; Acree, WE. (2006). Solubility prediction of paracetamol in binary and ternary solvent mixtures using Jouyban-Acree model. *Chemical & Pharmaceutical Bulletin.* 54: 428-431.

Environmental Hazard Literature Search Results

Off Topic

- Jouyban, A; Chew, NYK; Chan, HK; Sabour, M; Acree, WE. (2005). A unified cosolvency model for calculating solute solubility in mixed solvents. *Chemical & Pharmaceutical Bulletin*. 53: 634-637.
- Jouyban, A; Fakhree, MAA. (2008). A new definition of solubilization power of a cosolvent. *Pharmazie*. 63: 317-319.
- Jouyban, A; Fakhree, MAA; Hamzeh-Mivehroud, M; Acree, WE. (2007). Modelling the deviations of solubilities in Water-dioxane mixtures from predicted solubilities by the Jouyban-Acree model. *Journal of Drug Delivery Science and Technology*. 17: 359-363.
- Jouyban, A; Romero, S; Chan, HK; Clark, BJ; Bustamante, P. (2002). A cosolvency model to predict solubility of drugs at several temperatures from a limited number of solubility measurements. *Chemical & Pharmaceutical Bulletin*. 50: 594-599.
- Jouyban, A; Taherzadeh, F; Soruraddin, MH; Rashidi, MR. (2009). Mathematical representation of xanthine oxidase activity in hydro-organic mixtures. *Bioresour Technol*. 100: 6635-6638.
- Jouyban-Gharamaleki, A. (1998). The modified Wilson model and predicting drug solubility in water-cosolvent mixtures. *Chemical & Pharmaceutical Bulletin*. 46: 1058-1061.
- Jouyban-Gharamaleki, A; Barzegar-Jalali, M; Acree, WE. (1998). Solubility correlation of structurally related drugs in binary solvent mixtures. *Int J Pharm*. 166: 205-209.
- Jouyban-Gharamaleki, A; Valaee, L; Barzegar-Jalali, M; Clark, BJ; Acree, WE. (1999). Comparison of various cosolvency models for calculating solute solubility in water-cosolvent mixtures. *Int J Pharm*. 177: 93-101.
- Jouyban-Gharamaleki, A; York, P; Hanna, M; Clark, BJ. (2001). Solubility prediction of salmeterol xinafoate in water-dioxane mixtures. *Int J Pharm*. 216: 33-41.
- Jovanovi, M; Samardzi, Beleslin, DB. (1995). The role of alpha-adrenergic mechanisms within the area postrema in dopamine-induced emesis. *Eur J Pharmacol*. 272: 21-30.
- Juaristi, E. (2012). Looking for Treasure in Stereochemistry-Land. A Path Marked by Curiosity, Obstinacy, and Serendipity. *J Org Chem*. 77: 4861-4884.
- Jugelt, W; Schmidt, D. (1968). Protonierungsgeschwindigkeitskonstanten und salzeffekte in der säurekatalysierten hydrolyse einiger aliphatischer diazoverbindungen. *Tetrahedron*. 24: 59-64.
- Jung, HH; Seiders, JR; Floreancig, PE. (2007). Oxidative cleavage in the construction of complex molecules: Synthesis of the leucascandrolide A macrolactone. *Angewandte Chemie-International Edition*. 46: 8464-8467.
- Kachaylo, EM; Yarushkin, AA; Pustyl'nyak, VO. (2012). Constitutive androstane receptor activation by 2,4,6-triphenyldioxane-1,3 suppresses the expression of the gluconeogenic genes. *European journal of pharm pharmacology*. 679: 139-143.
- Kadaba, PK. Triazolines. XXIX. 1,5-diaryl-delta(2)-1,2,3-triazolines as aphicides: mechanism of action via aziridine formation. *Pestic Sci*. Dec 1994. v. 42 (4): 299-304.
- Kadota, I; Lutete, LM; Shibuya, A; Yamamoto, Y. (2001). Palladium/benzoic acid-catalyzed hydroalkoxylation of alkynes. *Tetrahedron Letters*. 42: 6207-6210.
- Kadyrov, AA; Silaev, D; Breuer, E; Röllschenthaler, G-V. (2002). 1,1,3,3,3-Pentafluoro-2-pentafluorophenyl-1,2-epoxypropane and trimethylphosphite: unusual 1,4-dioxan-2,5-dione ring formation. *Journal of Fluorine Chemistry*. 114: 99-101.
- Kagata, T; Shigemori, H; Mikami, Y; Kobayashi, J. (2000). Coruscol A, a new metabolite from the marine-derived fungus *Penicillium* species. *J Nat Prod*. 63: 886-887.
- Kagoshima, H; Takahashi, N. (2013). Copper-catalyzed cross-coupling reaction of alpha-sulfur-substituted alkylstannanes with acid chlorides. *Tetrahedron Letters*. 54: 4558-4560.
- Kaihara, S; Matsumura, S; Fisher, JP. (2008). Synthesis and characterization of cyclic acetal based degradable hydrogels. *European Journal of Pharmaceutics and Biopharmaceutics*. 68: 67-73.
- Kaiser, KLE; Valdmanis, I. (1979). Volatile chloro- and chlorofluorocarbons in Lake Erie - 1977 and 1978. *Journal of Great Lakes Research*. 5: 160-169.
- Kajikawa, S; Noiri, Y; Shudo, H; Nishino, H; Kurosawa, K. (1998). Syntheses of ethyl 2,5-diarylfuran-3-carboxylates and methyl 5-aryl-4-(omega-hydroxyalkyl)-2-methylfuran-3-carboxylates. *Synthesis-Stuttgart*1457-1462.
- Kakuuchi, A; Taguchi, T; Hanzawa, Y. (2003). Rh(I)-catalyzed addition of alkenylzirconocene chlorides to aldimine derivatives. *Tetrahedron Letters*. 44: 923-926.
- Kalimo, K; Fagerlund, VL; Jansá€šn, CT. (1984). Concomitant photocontact allergy to a benzophenone derivative and a sunscreen preservative, 6-acetoxy-2,4-dimethyl-m-dioxane. *Photo-dermatology*. 1: 315-317.
- Kalra, B; Gross, RA. (2000). Horseradish peroxidase mediated free radical polymerization of methyl methacrylate. *Biomacromolecules*. 1: 501-505.
- Kamal, A; Balakrishna, M; Reddy, PV; Rahim, A. (2014). First total synthesis of the E- and Z-isomers of cytospolide-D. *Tetrahedron: Asymmetry*. 25: 148-155.
- Kamal, A; Krishnaji, T; Reddy, PV. (2007). Enantioselective total synthesis of both the stereoisomers of dihydrokawain-5-ol. *Tetrahedron: Asymmetry*. 18: 1775-1779.
- Kamal, A; Venkat Reddy, P; Prabhakar, S; Suresh, P. (2009). Stereoselective total synthesis of simplactone A. *Tetrahedron: Asymmetry*. 20: 1798-1801.
- Kamata, M; Tanaka, T; Kato, M. (1996). Novel photo-fragmentation of 3,3,6,6-tetra(p-methoxyphenyl)-1,2-dioxane through a C—O bond cleaved 1,6-diradical intermediate. *Tetrahedron Letters*. 37: 8181-8184.
- Kambutong, S; Kuhakarn, C; Tuchinda, P; Pohmakotr, M. (2010). Synthesis of (+)-4-Desoxy-pentenomycin and Analogues. *Synthesis-Stuttgart*1453-1458.

Environmental Hazard Literature Search Results

Off Topic

- Kameshima, Y; Tamura, Y; Nakajima, A; Okada, K. (2009). Preparation and properties of TiO₂/montmorillonite composites. *Appl Clay Sci.* 45: 20-23.
- Kamibayashi, T; Mammoto, T; Hayashi, Y; Yamatodani, A; Takada, K; Sasaki, S; Yoshiya, I. (1995). Further characterization of the receptor mechanism involved in the antidysrhythmic effect of dexmedetomidine on halothane/epinephrine dysrhythmias in dogs. *Anesthesiology.* 83: 1082-1089.
- Kamila, S; Mendoza, K; Biehl, ER. (2012). Microwave-assisted Hantzsch thiazole synthesis of N-phenyl-4-(6-phenylimidazo 2,1-b thiazol-5-yl)thiazol-2-amines from the reaction of 2-chloro-1-(6-phenylimidazo 2,1-b thiazol-5-yl)ethanones and thioureas. *Tetrahedron Letters.* 53: 4921-4924.
- Kamitori, Y; Hojo, M; Masuda, Ri; Yoshida, T. (1985). Alumina as a versatile catalyst for the selective acetalization of aldehydes. *Tetrahedron Letters.* 26: 4767-4770.
- Kanakubo, A; Koga, K; Isobe, M; Yoza, K. (2005). Tetrabromohydroquinone and riboflavin are possibly responsible for green luminescence in the luminous acorn worm, *Ptychodera flava*. *Luminescence.* 20: 397-400.
- Kanarskaya, ZA; Kanarskii, AV; Semenov, EI; Karmanov, AP; Kocheva, LS; Bogdanovich, NI; Romanenko, KA. (2016). Structure and Properties of Lignin as an Adsorbent for Mycotoxin T-2. *Chemistry of Natural Compounds.* 52: 1073-1077.
- Kanazawa, A; Kanaoka, S; Aoshima, S. (2007). Heterogeneously catalyzed living cationic polymerization of isobutyl vinyl ether using iron(III) oxide. *J Am Chem Soc.* 129: 2420-+.
- Kanazawa, A; Kanaoka, S; Aoshima, S. (2010). Living cationic polymerization of isobutyl vinyl ether using a variety of metal oxides as heterogeneous catalysts: Robust, reusable, and environmentally benign initiating systems. *Journal of polymer science.* 48: 916-926.
- Kanazawa, S; Mizuno, S; Yamauchi, R; Nishimura, N; Maeba, I. (1999). Synthesis of 5-hydroxy-2-(beta-D-ribofuranosyl)pyran-4-one from a pyranulose glycoside. *Carbohydr Res.* 318: 180-185.
- Kanchithalaivan, S; Sumesh, RV; Kumar, RR. (2014). Ultrasound-Assisted Sequential Multicomponent Strategy for the Combinatorial Synthesis of Novel Coumarin Hybrids. *ACS Combinatorial Science.* 16: 566-572.
- Kandambeth, S; Mallick, A; Lukose, B; Mane, MV; Heine, T; Banerjee, R. (2012). Construction of Crystalline 2D Covalent Organic Frameworks with Remarkable Chemical (Acid/Base) Stability via a Combined Reversible and Irreversible Route. *J Am Chem Soc.* 134: 19524-19527.
- Kang, C; Cho, W; Park, M; Kim, J; Park, S; Shin, D; Song, C; Lee, D. (2016). H₂O₂-triggered bubble generating antioxidant polymeric nanoparticles as ischemia/reperfusion targeted nanotheranostics. *Biomaterials.* 85: 195-203.
- Kanjolia, R; Jones, AC; Ashraf, S; Bacsá, J; Black, K; Chalker, PR; Beahan, P; Hindley, S; Odedra, R; Williams, PA; Heys, PN. (2011). Dimethylzinc adduct chemistry revisited: MOCVD of vertically aligned ZnO nanowires using the dimethylzinc 1,4-dioxane adduct. *J Cryst Growth.* 315: 292-296.
- Kannan, T; Loganathan, D; Bhatia, Y; Mishra, S; Bisaria, VS. (2004). Transglycosylation catalyzed by almond beta-glucosidase and cloned *Pichia etchellsii* beta-glucosidase II using glycosylasparagine mimetics as novel acceptors. *Biocatalysis and Biotransformation.* 22: 1-7.
- Kano, H; Umeda, Y; Saito, M; Senoh, H; Ohbayashi, H; Aiso, S; Yamazaki, K; Nagano, K; Fukushima, S. (2008). Thirteen-week oral toxicity of 1,4-dioxane in rats and mice. *J Toxicol Sci.* 33: 141-153.
- Kanth, JVB; Brown, HC. (2001). Hydroboration. 97. Synthesis of new exceptional chloroborane-Lewis base adducts for hydroboration. Dioxane-monochloroborane as a superior reagent for the selective hydroboration of terminal alkenes. *J Org Chem.* 66: 5359-5365.
- Kanzik, I; Zengil, H; Ipek, N; Cakici, I; Abacioglu, N; Dâ€rtlemez, ADDoPFoPGUA. (1991). Synergism between UK 38485 and ICI 185282 against digoxin-induced arrhythmias in guinea-pigs. *Archives internationales de pharmacodynamie et de thérapie.* 312: 55-65.
- Kapitulnik, J; Ostrow, JD. (1978). Stimulation of bilirubin catabolism in jaundiced Gunn rats by an induced of microsomal mixed-function monooxygenases. *Proceedings of the National Academy of Sciences of the United States of America.* 75: 682-685.
- Kapkov, VT. (1973). TOXICITY OF COPPER COMPLEXES TO FRESHWATER MOLLUSKS. AVAILABLE FROM THE NATIONAL TECHNICAL INFORMATION SERVICE, SPRINGFIELD, VA 22161, AS AD-763 967, \$325 IN PAPER COPY, \$225 IN MICROFICHE RANSLATION FSTC-HT-23-1987-72, MARCH 1973 TRANSLATED FROM PROCHOVED, VOL 26, NO 2, 1971 5 P.
- Kapovits, I; RÃ¡ibai, J; Ruff, F; Kucsman, Ã; TanÃ¡ics, B. (1979). Diaryldiacloxy Spirosulfuranesâ€™II : Syntheses from sulfoxides and hydrolysis. *Tetrahedron.* 35: 1875-1881.
- Kappus, H; De Ruitter, N; Ottenwaelder, H; Muliawan, H. (1981). Ethane Formation of Isolated Rat Hepatocytes Due to Carbon Tetrachloride. *Toxicol Lett.* 8: 265-271.
- Kappus, H; Sies, H. (1981). Toxic Drug Effects Associated With Oxygen Metabolism: Redox Cycling and Lipid Peroxidation. *Experientia Basel.* 37: 1233-1241.
- Kapur, H; Green, PN; Mottram, DR. (1979). Further studies on receptor interaction for the alpha-antagonist WB 4101. *The Journal of pharmacy and pharmacology.* 31: 188-189.
- Kapuriya, N; Kapuriya, K; Dodia, NM; Lin, YW; Kakadiya, R; Wu, CT; Chen, CH; Naliapara, Y; Su, TL. (2008). Novel oxidative nitrogen to carbon rearrangement found in the conversion of anilines to benzaldoximes by treating with HCHO/H(2)O(2). *Tetrahedron Letters.* 49: 2886-2890.
- Karageorge, GN; Macor, JE. (2011). Synthesis of dihydropyrano 3,2-e indoles as rotationally restricted phenolic analogs of 5-hydroxyindole-thermal Claisen approach versus gold catalysis. *Tetrahedron Letters.* 52: 1011-1013.
- Karaki, S; Kuwahara, A. (2011). Propionate-induced epithelial K(+) and Cl(-)/HCO₃(-) secretion and free fatty acid receptor 2 (FFA2, GPR43) expression in the guinea pig distal colon. *Pflügers Archiv : European journal of physiology.* 461: 141-152.
- Karboune, S; Archelas, A; Baratti, JC. (2010). Free and immobilized *Aspergillus niger* epoxide hydrolase-catalyzed hydrolytic kinetic resolution of racemic p-chlorostyrene oxide in a neat organic solvent medium. *Process Biochemistry.* 45: 210-216.

Environmental Hazard Literature Search Results

Off Topic

- Karimi, M; Habibi-Rezaei, M; Rezaei, K; Moosavi-Movahedi, AA; Kokini, J. (2016). Immobilization of inulinase from *Aspergillus niger* on octadecyl substituted nanoporous silica: Inulin hydrolysis in a continuous mode operation. *Biocatalysis and Agricultural Biotechnology*. 7: 174-180.
- Karkkainen, TS; Kartha, KPR; MacMillan, D; Field, RA. (2008). Iodine and its interhalogen compounds: versatile reagent in carbohydrate chemistry. XX. Iodine-mediated glycosylation en route to mucin-related glyco-aminoacids and glycopeptides. *Carbohydr Res*. 343: 1830-1834.
- Karkovic, A; Brala, CJ; Pilepic, V; Ursic, S. (2011). Solvent-induced hydrogen tunnelling in ascorbate proton-coupled electron transfers. *Tetrahedron Letters*. 52: 1757-1761.
- Karl, DJ. (1960). I. THE ELECTROPHORETIC CONTRIBUTION TO EQUIVALENT CONDUCTANCE USING THE COMPLETE EXPONENTIAL DISTRIBUTION FUNCTION: 1-1 SALTS IN DIOXANE - WATER MIXTURES. II. TRANSFERENCE NUMBERS AND ACTIVITY COEFFICIENTS OF AQUEOUS SOLUTIONS OF TRIS-(ETHYLENEDIAMINE) COBALT (III) CHLORIDE AT TWENTY-FIVE DEGREES C. PhD, Michigan State University.
- Karl, JZ. (2000). J. Properties of difurfural (5,5-diformyl-2,2-difuran). *Sugar Series* 248.
- Karmanov, AP; Kocheva, LS; Belyaev, VY. (2010). Study of the macromolecular structure of lignins in rye *Secale sp.* and barley *Hordeum sp.* *Russian Journal of Bioorganic Chemistry*. 36: 825-828.
- Karnoosh-Yamchi, J; Mobasser, M; Akbarzadeh, A; Davaran, S; Ostad-Rahimi, AR; Hamishehkar, H; Salehi, R; Bahmani, Z; Nejati-Koshki, K; Darbin, A; Rahmati-Yamchi, M. (2014). Preparation of pH sensitive insulin-loaded nano hydrogels and evaluation of insulin releasing in different pH conditions. *Mol Biol Rep*. 41: 6705-6712.
- Kartal, Z; Saygin, E. (2011). FTIR spectroscopic and thermal study of M(Cyclohexanethiol)₂Ni(CN)₄·2(1,4-dioxane) clathrate (M=Mn, Co, Ni and Cd). *Journal of molecular structure*. 994: 170-178.
- Kartal, Z; Tuzun, T. (2012). FT-IR spectroscopic and thermal study of M(1,6-hexanedithiol)Ni(CN)₄·2(1,4-dioxane) clathrate (M=Mn, Co, Ni and Cd). *Journal of molecular structure*. 1014: 74-80.
- Kasai, T; Kano, H; Umeda, Y; Sasaki, T; Ikawa, N; Nishizawa, T; Nagano, K; Arito, H; Nagashima, H; Fukushima, S. (2009). Two-year inhalation study of carcinogenicity and chronic toxicity of 1,4-dioxane in male rats. *Inhal Toxicol*. 21: 889-897.
- Kasai, T; Saito, M; Senoh, H; Umeda, Y; Aiso, S; Ohbayashi, H; Nishizawa, T; Nagano, K; Fukushima, S. (2008). Thirteen-week inhalation toxicity of 1,4-dioxane in rats. *Inhal Toxicol*. 20: 961-971.
- Kasuya, N; Iiyama, K; Ishizu, A. Synthesis and characterization of highly substituted deoxyfluorocellulose acetate. *Carbohydr Res*. May 14, 1992. v. 229 (1): 131-139.
- Kaszkin, M; Sørensen, US; Falch, E; Krosgaard-Larsen, P. (2000). A novel route to 5-substituted 3-isoxazolols. Cyclization of N, O-DiBoc beta-keto hydroxamic acids synthesized via acyl Meldrum's acids. *Br J Pharmacol*. 130: 1183-1190.
- Kato, Y; Fujiwara, I; Asano, Y. (1999). A novel method for preparation of optically active alpha-monobenzoyl glycerol via lipase-catalyzed asymmetric transesterification of glycerol. *Bioorganic & Medicinal Chemistry Letters*. 9: 3207-3210.
- Kato, Y; Fujiwara, I; Asano, Y. (2000). Synthesis of optically active 1-monobenzoyl glycerol by asymmetric transesterification of glycerol. *Journal of Molecular Catalysis B: Enzymatic*. 9: 193-200.
- Katritzky, AR; Fan, W-Q; Li, Q-L. (1987). Acetals and ketals of 2-(2-pyridyl)propane-1,3-diol novel protection for carbonyl groups. *Tetrahedron Letters*. 28: 1195-1198.
- Kaufman, EN; Scott, CD; Woodward, CA; Scott, TC. (1995). Use of modified enzymes for the solubilization/liquefaction of bituminous coal in a fluidized-bed reactor. *Appl Biochem Biotechnol*. 54: 233-248.
- Kaufman, SN; Larson, RE. (1981). The Effect of Hypothermia on Biochemical and Morphological Aspects of Carbon Tetrachloride Hepatotoxicity. *Research Communications in Molecular Pathology and Pharmacology*. 31: 463-474.
- Kaumanns, O; Mayr, H. (2008). Electrophilicity parameters of 5-benzylidene-2,2-dimethyl 1,3 dioxane-4,6-diones (benzylidene Meldrum's acids). *J Org Chem*. 73: 2738-2745.
- Kawanaka, T; Shimizu, M; Wada, T. (2007). Synthesis of dinucleoside phosphates and their analogs by the boranophosphotriester method using azido-based protecting groups. *Tetrahedron Letters*. 48: 1973-1976.
- Kawanishi, M; Kotoku, N; Itagaki, S; Horii, T; Kobayashi, M. (2004). Structure-activity relationship of anti-malarial spongy peroxides having a 3-methoxy-1,2-dioxane structure. *Bioorganic & Medicinal Chemistry*. 12: 5297-5307.
- Kawasaki, M; Nakamura, K; Kawabata, S. (1999). Lipase-catalyzed enantioselective deacetylation of ortho-substituted phenyl acetates with 1-butanol in organic solvents. *Journal of Molecular Catalysis B: Enzymatic*. 6: 447-451.
- Kawasaki, Y; Konishi, H; Morita, M; Kawanari, M; Dosako, S; Nakajima, I. (1994). Application of hydrogen storage alloy to remove protecting groups. *Chemical & Pharmaceutical Bulletin*. 42: 1238-1242.
- Kawase, A. (1972). Spectrophotometric reactions of copper and zinc with 2-(2-quinolylazo)-1-naphthol. *Anal Chim Acta*. 58: 311-322.
- Kawata, K; Ibaraki, T; Tanabe, A; Yasuhara, A. (2003). Distribution of 1,4-dioxane and N,N-dimethylformamide in river water from Niigata, Japan. *Bull Environ Contam Toxicol*. 70: 876-882.
- Kawata, K; Tanabe, A. (2009). Distribution and Variation of 1,4-Dioxane in Water from Rivers in Niigata Including the Shinano River. *Bull Environ Contam Toxicol*. 82: 673-677.
- Kawato, T; Koyama, H; Kanatomi, H; Muramoto, Y. (1991). Trinuclear complexation of 2,6-bis(acetylacetoxyethyl)pyridine with Pd(II) and Cu(II) ions. *Inorganica Chimica Acta*. 183: 107-112.
- Kayser, V; Bm; Guilbaud, G. (1992). Evidence for a noradrenergic component in the antinociceptive effect of the analgesic agent tramadol in an animal model of clinical pain, the arthritic rat. *Eur J Pharmacol*. 224: 83-88.
- Kazakov, GS; Stogniy, MY; Sivaev, IB; Suponitsky, KY; Godovikov, IA; Kirilin, AD; Bregadze, VI. (2015). Synthesis of crown ethers with the incorporated cobalt bis(dicarbollide) fragment. *Journal of Organometallic Chemistry*. 798, Part 1: 196-203.

Environmental Hazard Literature Search Results

Off Topic

- Ke, J; Tang, YL; Yi, H; Li, YL; Cheng, YD; Liu, C; Lei, AW. (2015). Copper-Catalyzed Radical/Radical C-sp³-H/P-H Cross-Coupling: alpha-Phosphorylation of Aryl Ketone O-Acetyloximes. *Angewandte Chemie-International Edition*. 54: 6604-6607.
- Keating, MI. (1978). Excretion of toxaphene and dioxathion in the milk of dairy cows. *Bulletin of animal health and production in Africa Bulletin des santé et production animales en Afrique*. 26: 285-292.
- Keating, MI. (1979). Excretion of toxaphene and dioxathion in the milk of dairy. *Bulletin of animal health and production in Africa Bulletin des santé et production animales en Afrique*. 27: 279-286.
- Kegel, FS; Rietman, BM; Verliefde, ARD. (2010). Reverse osmosis followed by activated carbon filtration for efficient removal of organic micropollutants from river bank filtrate. *Water Science and Technology*. 61: 2603-2610.
- Keglevic, D; Kojic-Prodic, B; Tomisic, ZB; Spek, AL. (1998). Synthesis and characterisation of muramic acid 1',2-lactam-beta-(1 -> 4)-D-glucosamine derivatives related to repeating units of bacterial spore cortex. *Carbohydr Res*. 313: 1-14.
- Kenawy, ER; El-Newehy, M; Abdel-Hay, F; Ottenbrite, RM. (2007). A new degradable hydroxamate linkage for pH-controlled drug delivery. *Biomacromolecules*. 8: 196-201.
- Kepe, V; Pozgan, F; Golobic, A; Polanc, S; Kocevar, M. (1998). Migration of an acyl group in the pyrazole system: synthesis of 1-acyl-3-hydroxy-1H-pyrazoles and related derivatives. A new preparation of N,N'-diacylhydrazines. *Journal of the Chemical Society-Perkin Transactions* 12813-2816.
- Kerger, BD; Gandy, J; Bucci, TJ; Roberts, SM; Harbison, RD; James, RC. (1988). Antagonism of bromobenzene-induced hepatotoxicity by the alpha-adrenergic blocking agents, phentolamine and idazoxan. *Toxicol Appl Pharmacol*. 95: 12-23.
- Kerger, BD; Roberts, SM; Harbison, RD; James, RC. (1989). Antagonism of bromobenzene-induced hepatotoxicity by the alpha-adrenoreceptor blocking agents phentolamine and idazoxan: role of hypothermia. *Toxicol Appl Pharmacol*. 97: 360-369.
- Kern, HW. (1984). Bacterial degradation of dehydropolymers of coniferyl alcohol. *Archives of microbiology*. 138: 18-25.
- Kerner, I; Klein, W; Korte, F. (1972). BeitrÄnge zur Äkologischen chemieÄXXXIII: Photochemische reaktionen von 1,1-dichlor-2(p,pÄ²-dichlorphenyl)Ärthylen (DDE). *Tetrahedron*. 28: 1575-1578.
- Kerr, WJ; Watson, AJB; Hayes, D. (2008). In situ generation of Mes(2)Mg as a non-nucleophilic carbon-centred base reagent for the efficient one-pot conversion of ketones to silyl enol ethers. *Organic & Biomolecular Chemistry*. 6: 1238-1243.
- Kerti, G; Kurtan, T; Borbas, A; Szabo, ZB; Liptak, A; Szilagyi, L; Illyes-Tunde, Z; Benyei, A; Antus, S; Watanabe, M; Castiglioni, E; Pescitelli, G; Salvadori, P. (2008). Synthesis and chiroptical properties of (naphthyl)ethylidene ketals of carbohydrates in solution and solid state. *Tetrahedron*. 64: 1676-1688.
- Kerton, FM; Kozak, CM; LÄttgen, K; Willans, CE; Webster, RJ; Whitwood, AC. (2006). Dimerisation versus polymerisation: Affects of donor position in isomeric dilithium diamine-bis(phenolate) complexes. *Inorganica Chimica Acta*. 359: 2819-2825.
- Khadikar, PV; Sharma, V; Karmarkar, S; Supuran, CT. (2005). Novel use of chemical shift in NMR as molecular descriptor: a first report on modeling carbonic anhydrase inhibitory activity and related parameters. *Bioorganic & Medicinal Chemistry Letters*. 15: 931-936.
- Khalilullah, H; Khan, S; Ahsan, MJ; Ahmed, B. (2011). Synthesis and antihepatotoxic activity of 5-(2,3-dihydro-1,4-benzodioxane-6-yl)-3-substituted-phenyl-4,5-dihydro-1 H-pyrazole derivatives. *Bioorganic & Medicinal Chemistry Letters*. 21: 7251-7254.
- Khan, E; Wirojanagud, W; Sermsai, N. (2009). Effects of iron type in Fenton reaction on mineralization and biodegradability enhancement of hazardous organic compounds. *J Hazard Mater*. 161: 1024-1034.
- Khan, SA; Ahmad, B; Alam, T. (2006). Synthesis and antihepatotoxic activity of some new chalcones containing 1, 4 - dioxane ring system. *Pak J Pharm Sci*. 19: 290-294.
- Khan, SA; Asiri, AM; Sharma, K. (2013). Synthesis of steroidal thiazolidinones as antibacterial agents based on the in vitro and quantum chemistry calculation. *Medicinal Chemistry Research*. 22: 1998-2004.
- Khan, Z; Al-Thabaiti, SA; Obaid, AY; Khan, ZA; Al-Youbi, AO. (2011). Effects of solvents on the stability and morphology of CTAB-stabilized silver nanoparticles. *Colloids and surfaces*. 390: 120-125.
- Khandker, SK; Mukerjee, D; Gurtu, S; Pant, KK; Dhawan, KN; Sinha, JN. (1994). Modification of reserpine-induced emetic response in pigeons by alpha 2-adrenoceptors. *Pharmacol Res*. 29: 383-387.
- Kharitonov, YV; ShulÄts, EE; Shakirov, MM. (2014). Synthetic Transformations of Higher Terpenoids. XXXIII.* Preparation of 15,16-Dihydroisopimaric Acid and Methyl Dihydroisopimarate and their Transformations. *Chemistry of Natural Compounds*. 49: 1067-1075.
- Khorshidi, A; Tabatabaeian, K. (2011). Ruthenium-exchanged FAU-Y zeolite catalyzed improvement in the synthesis of 6H-indolo[2,3-b]quinolines. *Journal of Molecular Catalysis*. 344: 128-131.
- Khudoley, VV; Mizgireuv, I; Pliss, GB. (1987). The study of mutagenic activity of carcinogens and other chemical agents with Salmonella typhimurium assays: testing of 126 compounds. *Archiv für Geschwulstforschung*. 57: 453-462.
- Kiernicki, JJ; Cladis, DP; Fanwick, PE; Zeller, M; Bart, SC. (2015). Synthesis, Characterization, and Stoichiometric U-O Bond Scission in Uranyl Species Supported by Pyridine(diimine) Ligand Radicals. *J Am Chem Soc*. 137: 11115-11125.
- Kikuchi, S; Kanoh, D; Sato, S; Sakurai, Y; Suzuki, M; Nakamura, H. (2016). Maleimide-functionalized closo-dodecaborate albumin conjugates (MID-AC): Unique ligation at cysteine and lysine residues enables efficient boron delivery to tumor for neutron capture therapy. *J Control Release*. 237: 160-167.
- Kikugawa, K; Hiramoto, K; Tomiyama, S; Nakauchi, K. (1999). Effect of beta-carotene on the transformation of tyrosine by nitrogen dioxide and peroxyntrous acid. *Free Radical Research*. 30: 37-43.
- Kikugawa, K; Kato, T. (1987). Effect of water content on the generation of mutagenicity in heated fish meats. *EISEI KAGAKU*. 33: 62-65.
- Kikuzawa, A; Kida, T; Nakatsuji, Y; Akashi, M. (2005). Short synthesis of skeleton-modified cyclodextrin derivatives with unique inclusion ability. *J Org Chem*. 70: 1253-1261.

Environmental Hazard Literature Search Results

Off Topic

- Kilambi, H; Reddy, SK; Schneidewind, L; Stansbury, JW; Bowman, CN. (2009). Influence of the secondary functionality on the radical-vinyl chemistry of highly reactive monoacrylates. *Journal of polymer science*. 47: 4859-4870.
- Kim, BS; Lee, J. (2013). Directional crystallization of dioxane in the presence of PVDF producing porous membranes. *J Cryst Growth*. 373: 45-49.
- Kim, CG; Seo, HJ; Lee, BR. (2006). Decomposition of 1,4-dioxane by advanced oxidation and biochemical process. *Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances & Environmental Engineering*. 41: 599-611.
- Kim, DW; Hong, DJ; Seo, JW; Kim, HS; Kim, HK; Song, CE; Chi, DY. (2004). Hydroxylation of alkyl halides with water in ionic liquid: Significantly enhanced nucleophilicity of water. *J Org Chem*. 69: 3186-3189.
- Kim, H; Kong, CS; Lee, JI; Kim, H; Baek, S; Seo, Y. (2013). Evaluation of inhibitory effect of phlorotannins from *Ecklonia cava* on triglyceride accumulation in adipocyte. *J Agric Food Chem*. 61: 8541-8547.
- Kim, HD; Bae, EH; Kwon, IC; Pal, RR; Nam, JD; Lee, DS. (2004). Effect of PEG-PLLA diblock copolymer on macroporous PLLA scaffolds by thermally induced phase separation. *Biomaterials*. 25: 2319-2329.
- Kim, HY; Kuhn, RJ; Patkar, C; Warriar, R; Cushman, M. (2007). Synthesis of dioxane-based antiviral agents and evaluation of their biological activities as inhibitors of Sindbis virus replication. *Bioorganic & Medicinal Chemistry*. 15: 2667-2679.
- Kim, HY; Patkar, C; Warriar, R; Kuhn, R; Cushman, M. (2005). Design, synthesis, and evaluation of dioxane-based antiviral agents targeted against the Sindbis virus capsid protein. *Bioorganic & Medicinal Chemistry Letters*. 15: 3207-3211.
- Kim, IC; Jin, YS; Song, DH; Ahn, SH; Park, YI; Kim, BS; Jegal, J; Seo, BK; Kim, JH; Kwon, YN; Mo, CJ; Lee, JJ; Kim, DS; Lim, SH. (2013). Preparation of ultrafiltration membrane by newly synthesized AMC polymer. *Desalination and Water Treatment*. 51: 5196-5203.
- Kim, JH; Campbell, BC; Mahoney, N; Chan, KL; Molyneux, RJ; May, GS. (2007). Enhanced activity of strobilurin and fludioxonil by using berberine and phenolic compounds to target fungal antioxidative stress response. *Letters in applied microbiology*. 45: 134-141.
- Kim, JI; Kim, DY; Kwon, DY; Kang, HJ; Kim, JH; Min, BH; Kim, MS. (2012). An injectable biodegradable temperature-responsive gel with an adjustable persistence window. *Biomaterials*. 33: 2823-2834.
- Kim, K-W; Lee, B-H; Kim, S; Kim, H-J; Yun, J-H; Yoo, S-E; Sohn, JR. (2011). Reduction of VOC emission from natural flours filled biodegradable biocomposites for automobile interior. *J Hazard Mater*. 187: 37-43.
- Kim, SJ; Ryu, HG; Jeon, SL; Jeong, IH. Cross-coupling of 1,1-difluoro-1-en-3-yn-2-yl tosylates with arylboronic acids: A new approach to 2-aryl-1,1-difluoro-1,3-enynes. *Journal of Fluorine Chemistry*.
- Kim, SY; Lee, KE; Han, SS; Jeong, B. (2008). Vesicle-to-spherical micelle-to-tubular nanostructure transition of monomethoxy-poly(ethylene glycol)-poly(trimethylene carbonate) diblock copolymer. *The journal of physical chemistry B*. 112: 7420-7423.
- Kim, WJ; Chang, JY. (2011). Molecularly imprinted polyimide nanofibers prepared by electrospinning. *Mater Lett*. 65: 1388-1391.
- Kim, YC; An, RB; Yoon, NY; Nam, TJ; Choi, JS. (2005). Hepatoprotective constituents of the edible brown alga *Ecklonia stolonifera* on tacrine-induced cytotoxicity in Hep G2 cells. *Archives of pharmacal research*. 28: 1376-1380.
- Kim, YH; Cha, NR; Chang, SK. (2002). A new fluorogenic benzothiazolyl ionophore based upon calix 4 arene-crown-5 ether for calcium determination in aqueous media. *Tetrahedron Letters*. 43: 3883-3886.
- Kim, YM; Jeon, JR; Murugesan, K; Kim, EJ; Chang, YS. (2009). Biodegradation of 1,4-dioxane and transformation of related cyclic compounds by a newly isolated *Mycobacterium* sp PH-06. *Biodegradation*. 20: 511-519.
- Kimura, T; Amano, T; Uehara, H; Ariga, H; Ishida, T; Torii, A; Tajiri, H; Matsueda, K; Yamato, S. (2007). Urocortin I is present in the enteric nervous system and exerts an excitatory effect via cholinergic and serotonergic pathways in the rat colon. *American journal of physiology Gastrointestinal and liver physiology*. 293: G903-910.
- Kinne, M; Poraj-Kobielska, M; Ralph, SA; Ullrich, R; Hofrichter, M; Hammel, KE. (2009). Oxidative Cleavage of Diverse Ethers by an Extracellular Fungal Peroxygenase. *J Biol Chem*. 284: 29343-29349.
- KiremitÅşi, M; Pulat, M; Åženvar, C; ÅžerbetÅşi, AÅ; PiÅÿkin, E. (1990). Structural and cellular characterization of solvent-casted polyurethane membranes. *Clinical Materials*. 6: 227-237.
- Kiruba, GSM; Wong, MW. (2003). Tautomeric equilibria of pyridoxal-5'-phosphate (vitamin B(6)) and 3-hydroxypyridine derivatives: A theoretical study of solvation effects. *J Org Chem*. 68: 2874-2881.
- Kishimoto, N; Hatta, M; Kato, M; Otsu, H. (2017). Effects of oxidation and reduction on potential control and sequential use of biological treatment on the electrochemical Fenton-type process. *Process Saf Environ Protect*. 105: 134-142.
- Kishimoto, N; Kitamura, T; Kato, M; Otsu, H. (2013). Reusability of iron sludge as an iron source for the electrochemical Fenton-type process using Fe(2+)/HOCl system. *Water Res*. 47: 1919-1927.
- Kishimoto, N; Kitamura, T; Nakamura, Y. (2015). Applicability of an electrochemical Fenton-type process to actual wastewater treatment. *Water Science and Technology*. 72: 850-857.
- Kishimoto, N; Nakagawa, T; Asano, M; Abe, M; Yamada, M; Ono, Y. (2008). Ozonation combined with electrolysis of 1,4-dioxane using a two-compartment electrolytic flow cell with solid electrolyte. *Water Res*. 42: 379-385.
- Kishimoto, N; Nakagawa, T; Okada, H; Mizutani, H. (2011). Effect of Separation of Ozonation and Electrolysis on Effective Use of Ozone in Ozone-Electrolysis Process. *Ozone-Science & Engineering*. 33: 463-469.
- Kishimoto, N; Nakamura, E. (2011). Effects of Ozone-Gas Bubble Size and pH on Ozone/UV Treatment. *Ozone-Science & Engineering*. 33: 396-402.
- Kishimoto, N; Nishimura, H. (2015). Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. *Environ Technol*. 36: 2436-2442.
- Kishimoto, N; Sugimura, E. (2010). Feasibility of an electrochemically assisted Fenton method using Fe(2+)/HOCl system as an advanced oxidation process. *Water Science and Technology*. 62: 2321-2329.

Environmental Hazard Literature Search Results

Off Topic

- Kishimoto, N; Yasuda, Y; Mizutani, H; Ono, Y. (2007). Applicability of ozonation combined with electrolysis to 1,4-dioxane removal from wastewater containing radical scavengers. *Ozone-Science & Engineering*. 29: 13-22.
- Kitagawa, T; Asada, M. (2005). Preparation and root growth-inhibitory activity of N-substituted 2-(2-chloroacetamido)-3-(furan-2-yl)propanamides. *Chemical & Pharmaceutical Bulletin*. 53: 1183-1189.
- Kitchin, KT; Brown, JL. (1990). Is 1,4-dioxane a genotoxic carcinogen? *Cancer Lett*. 53: 67-71.
- Kiyooka, S-i; Hena, MA; Goto, F. (1999). Enantioselective synthesis of a key intermediate aldehyde toward the polyene macrolide filipin III, based on a chiral oxazaborolidinone-promoted asymmetric aldol reaction. *Tetrahedron: Asymmetry*. 10: 2871-2879.
- Kiyota, S; Kobori, T; Soeta, H; Ichikawa, Y-i; Komine, N; Komiya, S; Hirano, M. (2016). Synthesis of and catalytic nitrile hydration by a cationic tris(1/4-hydroxo)diruthenium(II) complex having PMe₃ ligands. *Polyhedron*. 120: 3-10.
- Klamt, A. (1993). Estimation of gas-phase hydroxyl radical rate constants of organic compounds from molecular orbital calculations. *Chemosphere*. 26: 1273-1289.
- Klasek, A; Lycka, A; Holcapek, M; Hoza, I. (2004). Reaction of 3-aminoquinoline-2,4-diones with nitrourea. Synthetic route to novel 3-ureidoquinoline-2,4-diones and imidazo 4,5-c quinoline-2,4-diones. *Tetrahedron*. 60: 9953-9961.
- Klečka, GM; Gonsior, SJ. (1986). Removal of 1,4-dioxane from wastewater. *J Hazard Mater*. 13: 161-168.
- Klein, AP; Beach, ES; Emerson, JW; Zimmerman, JB. (2010). Accelerated Solvent Extraction of Lignin from *Aleurites moluccana* (Candlenut) Nutshells. *J Agric Food Chem*. 58: 10045-10048.
- Kleinpeter, E; Koch, A; Piilaja, K. (2005). Application of ¹J(C,H) coupling constants in conformational analysis. *Tetrahedron*. 61: 7349-7358.
- Klingensmith, JS; Mehendale, HM. (1982). Potentiation of CCl₄ Lethality by Chlordecone. *Toxicol Lett*. 11: 149-154.
- Kluwe, WM. (1981). Renal Function Tests as Indicators of Kidney Injury in Subacute Toxicity Studies. *TOXICOL AND APPL PHARMACOL*. 57: 414-424.
- Kluwe, WM; Harrington, FW; Cooper, SE. (1982). Toxic Effects of Organohalide Compounds on Renal Tubular Cells in vivo and in vitro. *J Pharmacol Exp Ther*. 220: 597-603.
- Kluwe, WM; Hook, JB; Bernstein, J. (1982). Synergistic Toxicity of Carbon Tetrachloride and Several Aromatic Organohalide Compounds. *Toxicology*. 23: 321-336.
- Knight, JG; Belcher, PE. (2005). 2-Aryl-5,5-bisoxazolin-2-yl[1,3]dioxanes as solution phase and immobilised ligands for highly enantioselective cyclopropanations. *Tetrahedron: Asymmetry*. 16: 1415-1418.
- Knolker, HJ; Ahrens, B; Gonser, P; Heining, M; Jones, PG. (2000). Transition metal complexes in organic synthesis. Part 57: Synthesis of 1-azabuta-1,3-dienes and application to catalytic complexation of buta-1,3-dienes and cycloalkadienes by the tricarbonyliron fragment. *Tetrahedron*. 56: 2259-2271.
- Ko, JC; Smith, BE; Hsu, WH. (1990). Xylazine enhances porcine myometrial contractility in vitro: possible involvement of alpha 2-adrenoceptors and Ca²⁺ channels. *Biology of reproduction*. 43: 614-618.
- Kobata, K; Kawaguchi, M; Watanabe, T. (2002). Enzymatic synthesis of a capsinoid by the acylation of vanillyl alcohol with fatty acid derivatives catalyzed by lipases. *Bioscience Biotechnology and Biochemistry*. 66: 319-327.
- Kobayashi, A; Dosen, M; Chang, M; Nakajima, K; Noro, S; Kato, M. (2010). Synthesis of Metal-Hydrazone Complexes and Vapochromic Behavior of Their Hydrogen-Bonded Proton-Transfer Assemblies. *J Am Chem Soc*. 132: 15286-15298.
- Kobayashi, K; Kuroda, M. (2014). Synthesis of 3-(omega-Hydroxyalkoxy)isobenzofuran-1(3H)-ones by Trifluoroacetic Acid-Mediated Lactonization of tert-Butyl 2-(1,3-Dioxo-1,2-yl) or 2-(1,3-Dioxan-2-yl)benzoates. *Helvetica Chimica Acta*. 97: 1055-1060.
- Kobayashi, S; Furuta, T. (1998). Use of heterocycles as chiral ligands and auxiliaries in asymmetric syntheses of sphingosine, sphingofungins B and F. *Tetrahedron*. 54: 10275-10294.
- Koch, R; Strobel, K. (1981). Ecochemical and Toxicological Data for Selected Haloalkanes and Their Evaluation. *Acta Hydrochimica et Hydrobiologica*. 9: 227-246.
- Kocienski, PJ; Raubo, P; Smith, C; Boyle, FT. (1999). A formal synthesis of 18-O-methyl mycalamide B. *Synthesis-Stuttgart* 2087-2095.
- Kodama, K; Fujisaki, H; Kubota, A; Kato, H; Hirota, K; Kuramochi, H; Murota, M; Tabata, Y; Ueda, M; Harada, H; Kawahara, T; Shinoda, M; Watanabe, N; Iida, D; Terauchi, H; Yasui, S; Miyazawa, S; Nagakawa, J. (2010). E3710, a New Proton Pump Inhibitor, with a Long-Lasting Inhibitory Effect on Gastric Acid Secretion. *J Pharmacol Exp Ther*. 334: 395-401.
- Kodama, K; Kimura, Y; Shitara, H; Yasutake, M; Sakurai, R; Hirose, T. (2011). Solvent-Induced Chirality Control in the Enantioseparation of 1-Phenylethylamine via Diastereomeric Salt Formation. *Chirality*. 23: 326-332.
- Kodama, K; Kurozumi, N; Shitara, H; Hirose, T. (2014). Solvent-induced dual chirality switching in the optical resolution of tropic acid via diastereomeric salt formation with (1R,2S)-2-amino-1,2-diphenylethanol. *Tetrahedron*. 70: 7923-7928.
- Kohl, FX; Jutzi, P. (1983). Darstellung und eigenschaften von pentamethylcyclopentadienylgermanium-chlorid und pentamethylcyclopentadienylgermanium-trichlor-germanat. *Journal of Organometallic Chemistry*. 243: 31-34.
- Kohler, J; Bergander, K; Fabian, J; Schepmann, D; Wunsch, B. (2012). Enantiomerically Pure 1,3-Dioxanes as Highly Selective NMDA and sigma(1) Receptor Ligands. *J Med Chem*. 55: 8953-8957.
- Koiry, BP; Moukwa, M; Singha, NK. (2013). Reversible addition-fragmentation chain transfer (RAFT) polymerization of 2,2,3,3,4,4,4-heptafluorobutyl acrylate (HFBA). *Journal of Fluorine Chemistry*. 153: 137-142.
- Koissi, N; Shah, NH; Ginevan, B; Eck, WS; Roebuck, BD; Fishbein, JC. (2012). Lactone Metabolite Common to the Carcinogens Dioxane, Diethylene Glycol, and N-Nitrosomorpholine: Aqueous Chemistry and Failure to Mediate Liver Carcinogenesis in the F344 Rat. *Chem Res Toxicol*. 25: 1022-1028.
- Kojima, T; Antonio, MR; Ozeki, T. (2011). Solvent-Driven Association and Dissociation of the Hydrogen-Bonded Protonated Decavanadates. *J Am Chem Soc*. 133: 7248-7251.

Environmental Hazard Literature Search Results

Off Topic

- Kok, G; Ay, K; Ay, E; Dogan, F; Kaya, I. (2014). Synthesis, characterization and non-isothermal decomposition kinetic of a new galactochloralose based polymer. *Carbohydr Polymer*. 101: 324-331.
- Koll, P; Wernicke, A; Kovacs, J; Lutzen, A. (2000). Comprehensive reinvestigation of the reaction of D-aldoses with Meldrum's acid yielding mainly chain extended 3,6-anhydro-2-deoxy-aldono-1,4-lactones. *Journal of Carbohydrate Chemistry*. 19: 1019-1047.
- Komáromi, I; Lázár, L; Antus, S; Lipták, A; Fowler, CJ; O'Carroll, AM; Court, JA; Candy, JM. (2009). Stimulation by noradrenaline of inositol phospholipid breakdown in the rat hippocampus: effect of the ambient potassium concentration. *Carbohydr Res*. 344: 2444-2453.
- Komljenović, J; Maronac, V; Radić, N. (1990). Ion-sensitive behaviour of silver sulphide-based solid-state copper(II) and iodide electrodes in partially aqueous systems. *Anal Chim Acta*. 231: 137-141.
- Komotar, RJ; Starke, RM; Connolly, ES. (2011). The effect of endothelin receptor antagonists on vasospasm following aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 69: N13-14.
- Kondo, T; Ohshita, T; Kyuma, T. Characteristics of dioxane-soluble lignins from corn and sorghum silages and feces of sheep fed on them. *Canadian Journal of Animal Science*. Sept 1993. v. 73 (3): 661-664.
- Kondo, T; Ohshita, T; Kyuma, T. Release of 'soluble' lignin fragments from orchardgrass during its passage through the rumen. *J Sci Food Agric*. Aug 1994. v. 65 (4): 429-431.
- Kondo, T; Tsunawaki, F; Suzuki, T-a; Ura, Y; Wada, K; Yamaguchi, S; Masuda, H; Yoza, K; Shiro, M; Mitsudo, T-a. (2007). Synthesis and characterization of a novel (1/3-oxo)tetraruthenium cluster. *Journal of Organometallic Chemistry*. 692: 530-535.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. Comparative characterisation of dioxane-soluble lignins released by ball milling and by sheep digestion from forage grasses. *J Sci Food Agric*. July 1995. v. 68 (3): 383-388.
- Kondo, T; Watanabe, T; Ohshita, T; Kyuma, T. (1998). Physico-chemical characteristics of soluble lignin fractions released from forage grasses by ruminant digestion. *Jarq-Japan Agricultural Research Quarterly*. 32: 187-195.
- Kong, CS; Kim, JA; Ahn, BN; Vo, TS; Yoon, NY; Kim, SK. (2010). 1-(3',5'-dihydroxyphenoxy)-7-(2'',4'',6-trihydroxyphenoxy)-2,4,9-trihydroxydibenzo-1,4-dioxin inhibits adipocyte differentiation of 3T3-L1 fibroblasts. *Marine biotechnology (New York, NY)*. 12: 299-307.
- Kong, YC; Kim, K; Park, YJ. (2000). Reactions of (aryl)(chloro)methyl p-tolyl sulfoxides with tetrasulfur tetranitride (S(4)N(4)): Formation and characterization of 3,5-diaryl-1,2,4,6-thiaziazine 1-oxides. *Tetrahedron*. 56: 7153-7161.
- Konosu, T; Oida, S; Nakamura, Y; Seki, S; Uchida, T; Somada, A; Mori, M; Harada, Y; Kamai, Y; Harasaki, T; Fukuoka, T; Ohya, S; Yasuda, H; Shibayama, T; Inoue, S; Nakagawa, A; Seta, Y. (2001). Synthesis and in vitro antifungal activities of novel triazole antifungal agent CS-758. *Chemical & Pharmaceutical Bulletin*. 49: 1647-1650.
- Kosaka, K; Yamada, H; Matsui, S; Shishida, K. (2000). The effects of the co-existing compounds on the decomposition of micropollutants using the ozone/hydrogen peroxide process. *Water Science and Technology*. 42: 353-361.
- Koseoglu, F; Kilic, E; Dogan, A. (2000). Studies on the protonation constants and solvation of alpha-amino acids in dioxane-water mixtures. *Analytical Biochemistry*. 277: 243-246.
- Kosikova, B; Ebringerova, A. Lignin-carbohydrate bonds in a residual soda spruce pulp lignin. *Wood Science and Technology*. May 1994. v. 28 (4): 291-296.
- Kosikova, B; Ebringerova, A; Naran, R. (1999). Characterization of lignin-carbohydrate fractions isolated from the wood parasite *Cistanche deserticola* Y. C. Ma. *Holzforschung*. 53: 33-38.
- Kosmulski, M; Mäczka, E. (2012). Electric conductance of dispersions of metal oxides in solutions of weak acids in mixed dioxane-water solvents. *J Colloid Interface Sci*. 380: 159-165.
- Kostoryz, EL; Tong, PY; Chappelow, CC; Glaros, AG; Eick, JD; Yourtee, DM. (2000). In vitro toxicity of spiroorthocarbonate monomers designed for non-shrinking dental restoratives. *Journal of Biomaterials Science-Polymer Edition*. 11: 187-196.
- Kostoryz, EL; Wetmore, LA; Brockmann, WG; Yourtee, DM; Eick, JD. (2004). Genotoxicity assessment of oxirane-based dental monomers in mammalian cells. *Journal of Biomedical Materials Research Part A*. 68A: 660-667.
- Kothe, G; Luger, P; Paulsen, H. (1974). Kristallstruktur von 2,3,4-tri-O-acetyl-β-D-xylopyranosylchlorid. *Carbohydr Res*. 37: 283-292.
- Koudelka, B; Capkova, P. (2002). Supramol - a program for structure analysis of intercalates using molecular simulations: the structure of VOPO(4)center dot C(6)H(4)O(2). *J Mol Model*. 8: 184-190.
- Koulu, M; Pesonen, U; Koskinen, S; Scheinin, H; Virtanen, R; Scheinin, M. (2000). Reduced turnover of dopamine and 5-hydroxytryptamine in discrete dopaminergic, noradrenergic and serotonergic rat brain areas after acutely administered medetomidine, a selective alpha 2-adrenoceptor agonist. *Pharmacology & toxicology*. 72: 182-187.
- Kouvetakis, J; Haaland, A; Shorokhov, DJ; Volden, HV; Girichev, GV; Sokolov, VI; Matsunaga, P. (1998). Novel methods for CVD of Ge(4)C and (Ge(4)C)(x)Si(y) diamond-like semiconductor heterostructures: Synthetic pathways and structures of trigermyl-(GeH(3))(3)CH and tetragermyl-(GeH(3))(4)C methanes. *J Am Chem Soc*. 120: 6738-6744.
- Kowalski, K; Goszczynski, T; Lesnikowski, ZJ; Boratynski, J. (2015). Synthesis of Lysozyme-Metallacarborane Conjugates and the Effect of Boron Cluster Modification on Protein Structure and Function. *Chembiochem*. 16: 424-431.
- Kowtoniuk, WE; MacFarland, DK. (2005). LAH aryl alkyl ether cleavage of BINOL derivatives. *Tetrahedron Letters*. 46: 451-453.
- Kraft, A; Peters, L; Powell, HR. (2002). Hydrogen-bonding between benzoic acid and an N,N'-diethyl-substituted benzamidine. *Tetrahedron*. 58: 3499-3505.
- Krause, J; Marx, G. (1974). Strukturuntersuchungen an organochrom-verbindungen. V. IR- und röntgen-strukturanalyse des Li3Cr(CH3)6 · 3C4H8O2. *Journal of Organometallic Chemistry*. 65: 215-222.
- Krebs, FC; Jensen, T. (2003). Fluorinated molecules relevant to conducting polymer research. *Journal of Fluorine Chemistry*. 120: 77-84.
- Kremsner, JM; Kappe, CO. (2006). Silicon carbide passive heating elements in microwave-assisted organic synthesis. *J Org Chem*. 71: 4651-4658.

Environmental Hazard Literature Search Results

Off Topic

- Krishna, PR; Sekhar, ER; Kannan, V. (2004). N-methylmorpholine and urotropine as useful base catalysts in Baylis-Hillman reaction. *Synthesis-Stuttgart* 857-860.
- Krishnamurthy, SS; Soundararajan, S. (1968). Charge distribution in and electric moments of some aliphatic acids. *Tetrahedron*. 24: 167-174.
- Krishnan, K; Johanson, G. (2005). Physiologically-based pharmacokinetic and toxicokinetic models in cancer risk assessment. *Journal of Environmental Science and Health Part C-Environmental Carcinogenesis & Ecotoxicology Reviews*. 23: 31-53.
- Krishnan, M; Flanagan, DR. (2000). FTIR-ATR spectroscopy for monitoring polyanhydride/anhydride-amine reactions. *J Control Release*. 69: 273-281.
- Kroener, H; Planker, M. (1982). Studies on carbon tetrachloride-induced damage to rat liver microsomes, evidence for the role of calcium. *Hepato-Gastroenterology*. 29: 63-64.
- Kruihof, JC; Kamp, PC; Martijn, BJ. (2007). UV/H₂O₂ treatment: A practical solution for organic contaminant control and primary disinfection. *Ozone-Science & Engineering*. 29: 273-280.
- Krupoder, SA; Danilovich, VS; Miller, AO; Furin, GG. (1995). Polyfluorocarboxylates. I. Copper(II) trifluoroacetate and its analogues. *Journal of Fluorine Chemistry*. 73: 13-15.
- Krylov, SS. (1978). Effects of some adrenergic blockers on the abstinence syndrome of addicts to drugs and alcohol. *Annali dell'Istituto superiore di sanita* 768; 14: 77-80.
- Kuang, JQ; Ma, SM. (2009). An Efficient Synthesis of Terminal Allenes from Terminal 1-Alkynes. *J Org Chem*. 74: 1763-1765.
- Kubik, TJ; Hawkins, GP; Stringam, GR. (2003). A modified mordant technique for staining plant chromosomes. *Genome*. 46: 527-528.
- Kubisch, J; Weignerova, L; Kotter, S; Lindhorst, TK; Sedmera, P; Kren, V. (1999). Enzymatic synthesis of p-nitrophenyl beta-chitobioside. *Journal of Carbohydrate Chemistry*. 18: 975-984.
- Kuciak, R; Sas, W. (1994). Synthesis of branched-chain azafuranose derivatives from secondary nitroalkanes. Facile synthesis of (±) 4-amino-4,4-bis(hydroxymethyl)-4-deoxythreonic-1,4-lactam. *Tetrahedron Letters*. 35: 8647-8648.
- Kuhn, EP; Sufliata, JM. (1989). Microbial degradation of nitrogen, oxygen and sulfur heterocyclic compounds under anaerobic conditions: Studies with aquifer samples. *Environ Toxicol Chem*. 8: 1149-1158.
- Kuila, SB; Ray, SK. (2014). Dehydration of dioxane by pervaporation using filled blend membranes of polyvinyl alcohol and sodium alginate. *Carbohydr Polymer*. 101: 1154-1165.
- Kulakowska, I; Geller, M; Lesyng, B; Wierzchowski, KL. (1974). Dipole moments of 2,4-diketopyrimidines. II. Uracil, thymine and their derivatives. *Biochimica et biophysica acta*. 361: 119-130.
- Kul'chik, NY; Dalimova, GN; Abduazimov, KA. Isolation of individual fractions of dioxane lignin from kenaf stems and their study. *Chemistry of Natural Compounds*. Sept/Oct 1978 (pub. 1979). v. 14 (5): 547-550 ill.
- Kulp, TJ. (1986). INFRARED STUDIES OF INTRAMOLECULAR ROVIBRATIONAL RELAXATION (KINETICS, ENERGY TRANSFER). PhD, University of Illinois at Urbana-Champaign.
- Kulshrestha, Y; Husain, Q. (2006). Bioaffinity-based an inexpensive and high yield procedure for the immobilization of turnip (*Brassica rapa*) peroxidase. *Biomolecular Engineering*. 23: 291-297.
- Kulshrestha, Y; Husain, Q. (2006). Direct immobilization of peroxidase on DEAE cellulose from ammonium sulphate fractionated proteins of bitter melon (*Momordica charantia*). *Enzyme Microb Technol*. 38: 470-477.
- Kum, CH; Cho, Y; Seo, SH; Joung, YK; Ahn, DJ; Han, DK. (2014). A poly(lactide) stereocomplex structure with modified magnesium oxide and its effects in enhancing the mechanical properties and suppressing inflammation. *Small (Weinheim an der Bergstrasse, Germany)*. 10: 3783-3794.
- Kumar, A; Gross, RA. (2000). Candida antarctica lipase B catalyzed polycaprolactone synthesis: Effects of organic media and temperature. *Biomacromolecules*. 1: 133-138.
- Kumar, BA; Naik, KBK; Raju, S; Rao, GN. (2012). Formation and confirmation of binary complexes of calcium(II), magnesium(II) and zinc(II) with L-histidine in dioxan-water media. *Chem Speciation Bioavailability*. 24: 139-146.
- Kumar, HMS; Reddy, BVS; Anjaneyulu, S; Yadav, JS. (1998). An expedient and highly selective conversion of alcohols to azides using a NaN₃/BF₃·Et₂O system. *Tetrahedron Letters*. 39: 7385-7388.
- Kumar, R; Kumar, T; Mobin, SM; Nambhothi, INN. (2013). Rauhut-Currier Reaction of Nitroalkenes with Vinyl Sulfones. *J Org Chem*. 78: 5073-5077.
- Kumaraswamy, G; Ramakrishna, D; Santhakumar, K. (2010). A concise enantioselective total synthesis of (+)-epi-muricatacin, using asymmetric hydrogenation/intramolecular iodoetherification as key steps. *Tetrahedron: Asymmetry*. 21: 544-548.
- Kundu, NG; Das, B; Spears, CP; Majumdar, A; Kang, SI. (1990). Synthesis and biological activities of novel 5-(2-acylethynyl)uracils. *J Med Chem*. 33: 1975-1979.
- Kunshenko, BV; Muratov, NN; Burmakov, AI; Alexeeva, LA; Yagupolskii, LM. (1983). Fluorination of 1,4-dioxan with sulfur tetrafluoride in hydrogen fluoride. *Journal of Fluorine Chemistry*. 22: 105-113.
- Kuriyama, M; Nagai, K; Yamada, K; Miwa, Y; Taga, T; Tomioka, K. (2002). Hemilabile amidomonophosphine ligand-rhodium(I) complex-catalyzed asymmetric 1,4-addition of arylboronic acids to cycloalkenones. *J Am Chem Soc*. 124: 8932-8939.
- Kuriyama, M; Tomioka, K. (2001). Chiral amidomonophosphine-rhodium(I) catalyst for asymmetric 1,4-addition of arylboronic acids to cycloalkenones. *Tetrahedron Letters*. 42: 921-923.
- Kurl, RN; Poellinger, L; Lund, J; Gustafsson, JA. (1981). Effects of dioxane on RNA synthesis in the rat liver. *Arch Toxicol*. 49: 29-33.
- Kurtan, T; Borbas, A; Szabo, ZB; Liptak, A; Benyei, A; Antus, S. (2004). Circular dichroism of 1,3-dioxane-type (2'-naphthyl)methylene acetals of glycosides. *Chirality*. 16: 244-250.

Environmental Hazard Literature Search Results

Off Topic

- Kuruville, FG; Shamji, AF; Sternson, SM; Hergenrother, PJ; Schreiber, SL. (2002). Dissecting glucose signalling with diversity-oriented synthesis and small-molecule microarrays. *Nature*. 416: 653-657.
- Kusakewicz-Dawid, A; Masiukiewicz, E; Rzeszotarska, B; Dybala, I; Koziol, AE; Broda, MA. (2007). The synthesis, structure and properties of N-acetylated derivatives of ethyl 3-Amino-1H-pyrazole-4-carboxylate. *Chemical & Pharmaceutical Bulletin*. 55: 747-752.
- Kushwah, N; Pal, MK; Kumar, M; Wadawale, AP; Manna, D; Ghanty, TK; Jain, VK. (2015). Structural diversity ranging from cyclic trimeric, tetrameric, hexameric to 1-D helix in dimethylgallium hydroxide. *Journal of Organometallic Chemistry*. 781: 65-71.
- Kusunoki, J; Hansoty, DK; Aragane, K; Fallon, JT; Badimon, JJ; Fisher, EA. (2001). Acyl-CoA:cholesterol acyltransferase inhibition reduces atherosclerosis in apolipoprotein E-deficient mice. *Circulation*. 103: 2604-2609.
- Kutschy, P; Suchy, M; Monde, K; Harada, N; Maruskova, R; Curillova, M; Miklosova, M; Mezencev, R; Mojzis, J. (2002). Spirocyclization strategy toward indole phytoalexins. The first synthesis of (+/-)-1-methoxyspirobrassinin, (+/-)-1-methoxyspirobrassinol, and (+/-)-1-methoxyspirobrassinol methyl ether. *Tetrahedron Letters*. 43: 9489-9492.
- Kuznetsov, BN; Kuznetsova, SA; Levdansky, VA; Levdansky, AV; Vasil'eva, NY; Chesnokov, NV; Ivanchenko, NM; Djakovitch, L; Pinel, C. (2015). Optimized methods for obtaining cellulose and cellulose sulfates from birch wood. *Wood Science and Technology*. 49: 825-843.
- KvÅ±lala, J; Mouyrin, J-C; Paleta, O. (2002). Synthesis of fluorinated amphiphiles by the reaction of protected hydroxy carbaldehyde with perfluorinated organomagnesium compounds. *Journal of Fluorine Chemistry*. 113: 195-200.
- Kwa, HY; Timmermans, PB; Van, ZPA. (1980). Interaction between prazosin and benzodioxan antihypertensives (R 28935 and R 29814); a competition for central alpha 1-adrenoceptors [proceedings]. *Br J Pharmacol*. 68: 138P-139P.
- Kwon, J; Kim, J; Park, S; Khang, G; Kang, PM; Lee, D. (2013). Inflammation-responsive antioxidant nanoparticles based on a polymeric prodrug of vanillin. *Biomacromolecules*. 14: 1618-1626.
- Kwong, LL; Smith, ER; Davidson, JM; Peroutka, SJ. (1986). Differential interactions of "prosexual" drugs with 5-hydroxytryptamine1A and alpha 2-adrenergic receptors. *Behavioral neuroscience*. 100: 664-668.
- I, JP; Yan, N; Zhang, X; Cai, Q; Yang, X; Zhou, X; Wang, B; Deng, X. (2014). The Effects of Lactidyl/Glycolidyl Ratio and Molecular Weight of Poly(D,L -Lactide-co-Glycolide) on the Tetracycline Entrapment and Release Kinetics of Drug-Loaded Nanofibers. *J Mol Model*. 23: 1005-1019.
- LÃ¶we, C; Hund, H-U; Berke, H. (1989). Reaktionen von Propionaldehyd-derivaten mit dicarbonylbis(trimethylphosphit)eisen-fragmenten. *Journal of Organometallic Chemistry*. 372: 295-309.
- LÃ³pez, G; GarcÃ-a, G; Cutillas, N; Ruiz, J. (1983). Pentafluorophenyl derivatives of palladium(II) and platinum(II) with O-donor ligands. *Journal of Organometallic Chemistry*. 241: 269-273.
- Lachenal, D; Mortha, G; Sevillano, RM; Zaroubine, M. (2004). Isolation of residual lignin from softwood kraft pulp. Advantages of the acetic acid acidolysis method. *Comptes Rendus Biologies*. 327: 911-916.
- LaCosse, JP. (1991). Vibrational predissociation spectroscopy of hydrogen-bonded complexes in the 10 micron region. PhD, University of Illinois at Urbana-Champaign.
- Ladepeche, A; Tam, E; Ancel, JE; Ghosez, U. (2004). Iron(III) chloride catalysis of the acetal-ene reaction. *Synthesis-Stuttgart*1375-1380.
- Lagiseti, C; Urbansky, M; Coates, RM. (2007). The dioxanone approach to (2S,3R)-2-C-methylerythritol 4-phosphate and 2,4-cyclodiphosphate, and various MEP analogues. *J Org Chem*. 72: 9886-9895.
- Lago-SantomÃ©s, H; Meana-Pañeda, R; Alonso, R. (2014). A convergent approach to the dioxadamantane core of (±)-tetrodotoxin. *J Org Chem*. 79: 4300-4305.
- Lago-Santome, H; Meana-Pañeda, R; Alonso, R. (2014). A Convergent Approach to the Dioxadamantane Core of (+/-)-Tetrodotoxin. *J Org Chem*. 79: 4300-4305.
- Lagzian, M; Latifi, AM; Bassami, MR; Mirzaei, M. (2014). An ice nucleation protein from *Fusarium acuminatum*: cloning, expression, biochemical characterization and computational modeling. *Biotechnol Lett*. 36: 2043-2051.
- Lahtinen, M; Haikarainen, A; Sipila, J. (2013). Convenient preparation of a beta-O-4-type lignin model trimer via KOH-catalyzed hydroxymethylation and a new protection method. *Holzforchung*. 67: 129-136.
- Laliberte, D; Maris, T; Wuest, JD. (2004). Molecular tectonics. Porous hydrogen-bonded networks built from derivatives of pentaerythryl tetraphenyl ether. *J Org Chem*. 69: 1776-1787.
- Lam, TBT; Iiyama, K; Stone, BA. Cinnamic acid bridges between cell wall polymers in wheat and phalaris internodes. *Phytochemistry*. Apr 1992. v. 31 (4): 1179-1183.
- Lam, TBT; Iiyama, K; Stone, BA. Determination of etherified hydroxycinnamic acids in cell walls of grasses. *Phytochemistry*. June 1994. v. 36 (3): 773-775.
- Lam, TBT; Iiyama, K; Stone, BA. Lignin in wheat internodes. 2. Alkaline nitrobenzene oxidation by wheat straw lignin and its fractions. *J Sci Food Agric*. 1990. v. 51 (4): 493-506.
- Lam, WM; Wong, CT; Li, ZY; Luk, KDK; Chan, WK; Yang, C; Chiu, KY; Xu, B; Lu, WW. (2007). Solvothermal synthesis of strontium phosphate chloride nanowire. *J Cryst Growth*. 306: 129-134.
- Lamb, RG; Schwertz, DW. (1982). The Effects of Bromobenzene and Carbon Tetrachloride Exposure in vitro on the Phospholipase C Activity of Rat Liver Cells. *Toxicol Appl Pharmacol*. 63: 216-229.
- Lan, RS; Smith, CA; Hyman, MR. (2013). Oxidation of Cyclic Ethers by Alkane-Grown Mycobacterium vaccae JOB5. *Remediation*. 23: 23-42.
- Landmesser, T; Linden, A; Hansen, HJ. (2008). A novel route to 1-substituted 3-(dialkylamino)-9-oxo-9H-indeno 2,1-c -pyridine-4-carbonitriles. *Helvetica Chimica Acta*. 91: 265-284.
- Langer, SZ; Boersma, DC; Ellenton, JA; Yagminas, A. (1989). Investigation of the hepatic mixed-function oxidase system in herring gull (*Larus argentatus*) embryos in relation to environmental contaminants. *Naunyn Schmiedebergs Arch Pharmacol*. 340: 386-395.

Environmental Hazard Literature Search Results

Off Topic

- Lannutti, F; Marrone, A; Re, N. (2011). Prediction of the PPAR alpha agonism of fibrates by combined MM-docking approaches. *Journal of Molecular Graphics & Modelling*. 29: 865-875.
- Lappas, LC; Hirsch, CA; Winely, CL. (1976). Substituted 5-Nitro-1,3-dioxanes: Correlation of Chemical Structure and Antimicrobial Activity. *J Pharm Sci*. 65: 1301-1305.
- Lappin, GR. (1946). I. 2,2,3,3-Tetrachloro-1,4-dioxane. II. The chemical properties of dioxadiene. PhD, Northwestern University.
- Laroute, V; Willemot, RM. (1992). Effect of organic solvents on stability of two glycosidases and on glucomylase-catalysed oligosaccharide synthesis. *Enzyme Microb Technol*. 14: 528-534.
- Larrañaga, A; Diamanti, E; Rubio, E; Palomares, T; Alonso-Varona, A; Aldazabal, P; Martin, FJ; Sarasua, JR. (2014). A study of the mechanical properties and cytocompatibility of lactide and caprolactone based scaffolds filled with inorganic bioactive particles. *Materials science & engineering C, Materials for biological applications*. 42: 451-460.
- Larsen, SD; Wilson, MW; Abe, A; Shu, L; George, CH; Kirchoff, P; Showalter, HD; Xiang, J; Keep, RF; Shayman, JA. (2012). Property-based design of a glucosylceramide synthase inhibitor that reduces glucosylceramide in the brain. *J Lipid Res*. 53: 282-291.
- Larue, D; Kato, G. (1981). Reduced number of alpha- and beta-adrenergic receptors in the myocardium of rats exposed to tobacco smoke. *Eur J Pharmacol*. 70: 519-529.
- Latli, B; Krishnamurthy, D; Senanayake, C. (2008). Synthesis of tritium- and deuterium-labeled budesonide. *Journal of Labelled Compounds & Radiopharmaceuticals*. 51: 64-67.
- Lau, LS; ume, SM; Terrán, JA. (2008). 2-(2-Aminoethyl)-quinoline (D-1997): a novel agonist at 5-hydroxytryptamine1-like receptors in the canine basilar artery. *BSO Biomacromolecules*. 7.
- Lau-Cam, CA. (1978). Coffee as an interference in the Duquenois test: a differential test. *Clin Toxicol*. 12: 535-541.
- Lauterborn, JC; Pineda, E; Chen, LY; Ramirez, EA; Lynch, G; Gall, CM. (2009). Ampakines cause sustained increases in brain-derived neurotrophic factor signaling at excitatory synapses without changes in AMPA receptor subunit expression. *Neuroscience*. 159: 283-295.
- Lavilla, C; Alla, A; de Iarduya, AM; Munoz-Guerra, S. (2013). High Tg Bio-Based Aliphatic Polyesters from Bicyclic D-Mannitol. *Biomacromolecules*. 14: 781-793.
- Lavoie, AC. (1981). VINYL SULFIDES--FLEXIBLE ENOL SUBSTITUTES. PhD, The University of Wisconsin - Madison.
- Lawrence, F. (1979). Chapter 25 Cyclic Ethers. *Studies in Environmental Science* 481-486.
- Lazny, R; Wolosewicz, K; Ratkiewicz, A; Pioro, D; Stocki, M. (2014). Synthesis and isomer distribution of 2-alkyltropinones and 2-alkylgranatanones. *Tetrahedron*. 70: 597-607.
- Lazo, JS; Tamura, K; Vogt, A; Jung, JK; Rodriguez, S; Balachandran, R; Day, BW; Wipf, P. (2001). Antimitotic actions of a novel analog of the fungal metabolite palmarumycin CP1. *The Journal of pharmacology and experimental therapeutics*. 296: 364-371.
- Le Bourvellec, C; Guyot, S; Renard, C. (2004). Non-covalent interaction between procyanidins and apple cell wall material Part I. Effect of some environmental parameters. *Biochimica Et Biophysica Acta-General Subjects*. 1672: 192-202.
- Le Pera, A; Leggio, A; Siciliano, C; Di Gioia, ML; Napoli, A; Sindona, G; Liguori, A. (2003). A straightforward chemical synthesis of 17-ketosteroids by cleavage of the C-17-dihydroxy acetone side chain in corticosteroids. *Steroids*. 68: 139-142.
- Leadbeater, NE; Torenius, HM. (2002). A study of the ionic liquid mediated microwave heating of organic solvents. *J Org Chem*. 67: 3145-3148.
- Leblanc, RM; Chapados, C. (1976). Aggregation of chlorophylls in monolayers: II. Chlorophyll-dioxane interaction. *Biophysical Chemistry*. 6: 77-85.
- Leclerc, V; Depreux, P; Lesieur, D; Caignard, DH; Renard, P; Delagrang, P; Guardiola-Lemaitre, B; Morgan, P. (1996). Synthesis and biological activity of conformationally restricted tricyclic analogs of the hormone melatonin. *Bioorganic & Medicinal Chemistry Letters*. 6: 1071-1076.
- Lee, CS; Le Thanh, T; Kim, EJ; Gong, J; Chang, YY; Chang, YS. (2014). Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. *Bioresour Technol*. 171: 59-65.
- Lee, IS; Sim, WJ; Kim, CW; Chang, YS; Oh, JE. (2011). Characteristic occurrence patterns of micropollutants and their removal efficiencies in industrial wastewater treatment plants. *J Environ Monit*. 13: 391-397.
- Lee, KC; Beak, HJ; Choo, KH. (2015). Membrane photoreactor treatment of 1,4-dioxane-containing textile wastewater effluent: Performance, modeling, and fouling control. *Water Res*. 86: 58-65.
- Lee, K-C; Choo, K-H. (2013). Hybridization of TiO₂ photocatalysis with coagulation and flocculation for 1,4-dioxane removal in drinking water treatment. *Chem Eng J*. 231: 227-235.
- Lee, L; Abe, A; Shayman, JA. (1999). Improved inhibitors of glucosylceramide synthase. *J Biol Chem*. 274: 14662-14669.
- Lee, LS; Rao, PSC. (1996). Impact of several water-miscible organic solvents on sorption of benzoic acid by soil. *Environmental Science & Technology*. 30: 1533-1539.
- Lee, S. (1997). Structural studies of Sindbis virus capsid protein mutants. PhD, Purdue University.
- Lee, SY; Kuhn, RJ; Rossmann, MG. (1998). Probing the potential glycoprotein binding site of sindbis virus capsid protein with dioxane and model building. *Proteins-Structure Function and Bioinformatics*. 33: 311-317.
- Lee, T; Wang, YW. (2009). Initial Salt Screening Procedures for Manufacturing Ibuprofen. *Drug Dev Ind Pharm*. 35: 555-567.
- Lee, VY; Basova, AA; Matchkarovskaya, IA; Faustov, VI; Egorov, MP; Nefedov, OM; Rakhimov, RD; Butin, KP. (1995). Redox properties of dihalogermynes, dihalostannylenes and their complexes with Lewis bases. *Journal of Organometallic Chemistry*. 499: 27-34.
- Lee, YJ; Lee, K; Jung, SI; Jeon, HB; Kim, KS. (2005). Synthesis of enantiopure cyclitols from (+/-)-3-bromocyclohexene mediated by intramolecular oxy-selenenylation employing (S,S)-hydrobenzoin and (S)-mandelic acid as chiral sources. *Tetrahedron*. 61: 1987-2001.
- Lee, YT; Fisher, JF. (2000). A mechanistic study of the dihydroflavin reductive cleavage of the dihydroflavin-tetrahydronaphthalene epoxide adducts. *Bioorganic Chemistry*. 28: 163-175.

Environmental Hazard Literature Search Results

Off Topic

- Lee, YZ; O'Brien, PJ; Payne, JF; Rahimtula, AD. (1986). Toxicity of petroleum crude oils and their effect on xenobiotic metabolizing enzyme activities in the chicken embryo in ovo. *Environ Res.* 39: 153-163.
- Lefebvre, J; Batchelor, RJ; Leznoff, DB. (2004). Cu Au(CN)₂(2)(DMSO)₂: Golden polymorphs that exhibit vapochromic behavior. *J Am Chem Soc.* 126: 16117-16125.
- Lehmkuhl, H; DÄ¶rting, I; McLane, R; Nehl, H. (1981). Bis(alk-2-enyl)zink aus organomagnesiumhalogeniden. *Journal of Organometallic Chemistry.* 221: 1-6.
- Leites, LA; Zabula, AV; Bukalov, SS; Korlyukov, AA; Koroteev, PS; Maslennikova, OS; Egorov, MP; Nefedov, OM. (2005). Experimental and theoretical study of vibrational spectra and structure of dihalogermylene and dihalostannylene complexes with 1,4-dioxane and triphenylphosphine. *Journal of Molecular Structure.* 750: 116-122.
- LemiÄgre, Llc; Regnier, T; Combret, J-C; Maddaluno, J. (2003). Conjugated elimination versus [1,2]-Wittig rearrangement of unsaturated diox(ol)anes. *Tetrahedron Letters.* 44: 373-377.
- Lemp, E; Zanicco, AL; Gunther, G. (2001). Sensitized photooxygenation of piroxicam in neat solvents and solvent mixtures. *Journal of Photochemistry and Photobiology B-Biology.* 65: 165-170.
- Lendlein, A; Zotzmann, J; Feng, Y; Altheheld, A; Kelch, S. (2009). Controlling the switching temperature of biodegradable, amorphous, shape-memory poly(rac-lactide)urethane networks by incorporation of different comonomers. *Biomacromolecules.* 10: 975-982.
- Lentnek, M; Griffith, OW; Rifkind, AB. (1991). 2,3,7,8-Tetrachlorodibenzo-p-dioxin increases reliance on fats as a fuel source independently of diet: evidence that diminished carbohydrate supply contributes to dioxin lethality. *Biochem Biophys Res Commun.* 174: 1267-1271.
- Leonard, JD, Jr. (1995). Ultraviolet resonance Raman and picosecond transient Raman studies of trans-4,4'-diphenylstilbene and related compounds. PhD, The Ohio State University.
- Lescic, I; Vukelic, B; Majeric-Elenkov, M; Saenger, W; Abramic, M. (2001). Substrate specificity and effects of water-miscible solvents on the activity and stability of extracellular lipase from *Streptomyces rimosus*. *Enzyme Microb Technol.* 29: 548-553.
- Leung, HW. (1991). Development and utilization of physiologically based pharmacokinetic models for toxicological applications. *J Toxicol Environ Health.* 32: 247-268.
- Leutritz, T; Hilfert, L; Smalla, KH; Speck, O; Zhong, K. (2013). Accurate quantification of water-macromolecule exchange induced frequency shift: Effects of reference substance. *Magn Reson Med.* 69: 263-268.
- Levdanskii, VA; Levdanskii, AV; Kuznetsov, BN. (2014). Sulfation of Betulin by Sulfamic Acid in DMF and Dioxane. *Chemistry of Natural Compounds.* 50: 1029-1031.
- Lewis, CJ; Havler, ME; Humphrey, MJ; Lloyd-Jones, JG; McCleavy, MA; Muir, NC; Waltham, K. (1988). The pharmacokinetics and metabolism of idazoxan in the rat. *Xenobiotica; the fate of foreign compounds in biological systems.* 18: 519-532.
- Lewis, JC; Berman, AM; Bergman, RG; Ellman, JA. (2008). Rh(I)-catalyzed arylation of heterocycles via C-H bond activation: expanded scope through mechanistic insight. *J Am Chem Soc.* 130: 2493-2500.
- Ley, SV; Michel, P. (2004). Preparation of butane-1,2-diacetal-protected l-glyceraldehyde from D-mannitol. *Synthesis-Stuttgart*147-150.
- Li, B; Zhu, J. (2016). Simultaneous degradation of 1,1,1-trichloroethane and solvent stabilizer 1,4-dioxane by a sono-activated persulfate process. *Chem Eng J.* 284: 750-763.
- Li, B-z; Zhu, J. (2015). Degradation of 1,1,1-Trichloroethane and 1,4-Dioxane Co-existed in Groundwater by Ultrasonics-Oxidant Systems. *Journal of Agro-Environment Science.* 34.
- Li, C; Ragauskas, AJ. Brightness reversion of mechanical pulps. XIII. Photoinduced degradation of lignin on cellulose matrix. *Journal of Wood Chemistry and Technology.* 1999. v. 19 (1/2): 43-60.
- Li, C; Wang, P; Zhao, D; Cheng, Y; Wang, L; Wang, L; Wang, Z. (2008). Enantioselective enzymatic hydrolysis of racemic glycidyl butyrate by lipase from *Bacillus subtilis* with improved catalytic properties. *Journal of Molecular Catalysis B: Enzymatic.* 55: 152-156.
- Li, CN; Wang, LM; Jiang, YC; Hu, MC; Li, SN; Zhai, QG. (2011). Activity and Stability of Chloroperoxidase in the Presence of Small Quantities of Polysaccharides: A Catalytically Favorable Conformation Was Induced. *Appl Biochem Biotechnol.* 165: 1691-1707.
- Li, H; Boonnak, N; Padwa, A. (2011). N-Alkenyl Indoles as Useful Intermediates for Alkaloid Synthesis. *J Org Chem.* 76: 9488-9496.
- Li, H; Deng, YH; Wu, HS; Ren, Y; Qiu, XQ; Zheng, DF; Li, CL. (2016). Self-assembly of kraft lignin into nanospheres in dioxane-water mixtures. *Holzforschung.* 70: 725-731.
- Li, H-j; Castro, A; Turnbull, MM. (2001). Chemical shift effects in the ¹³C-NMR spectra of [(C₅H₅)(CO)₂FeII]-substituted cyclohexanes, dioxanes and tetrahydropyrans. *Journal of Organometallic Chemistry.* 630: 33-43.
- Li, J; Itagaki, S; Horii, T; Kobayashi, M. (2003). New anti-malarial peroxides with in vivo potency derived from spongean metabolites. *Bioorganic & Medicinal Chemistry Letters.* 13: 4081-4084.
- Li, JH; Li, GP; Jiang, HF; Chen, MC. (2001). A novel and efficient synthesis of maleic anhydrides by palladium-catalyzed dicarbonylation of terminal acetylenes in H₂O/dioxane. *Tetrahedron Letters.* 42: 6923-6924.
- Li, K; Huang, J; Gao, H; Zhong, Y; Cao, X; Chen, Y; Zhang, L; Cai, J. (1994). Reinforced Mechanical Properties and Tunable Biodegradability in Nanoporous Cellulose Gels: Poly(L-lactide-co-caprolactone) Nanocomposites. *Biomacromolecules.* 17: 1506-1515.
- Li, L; Chen, X; Xia, Q; Wei, X; Liu, J; Fan, Z; Guo, M. (2016). Formation and characterization of pseudo-polyrotaxanes based on poly(p-dioxanone) and cyclodextrins. *Carbohydr Polymer.* 142: 82-90.
- Li, L; Li, Y; Wang, X; Qi, Y; Hu, J; Fang, Z; Dong, Q. (2015). Synthesis and characterization of a novel fluorinated polyether glycol with fluorinated side chains via "living/controlled" cationic polymerization. *Journal of Fluorine Chemistry.* 175: 129-138.
- Li, MF; Fan, YM; Xu, F; Sun, RC; Zhang, XL. (2010). Cold sodium hydroxide/urea based pretreatment of bamboo for bioethanol production: Characterization of the cellulose rich fraction. *Ind Crop Prod.* 32: 551-559.

Environmental Hazard Literature Search Results

Off Topic

- Li, M-F; Sun, S-N; Xu, F; Sun, R-C. (2012). Sequential solvent fractionation of heterogeneous bamboo organosolv lignin for value-added application. *Separation and Purification Technology*. 101: 18-25.
- Li, MY; Cline, CS; Koker, EB; Carmichael, HH; Chignell, CF; Bilski, P. (2001). Quenching of singlet molecular oxygen ($(^1O_2)$) by azide anion in solvent mixtures. *Photochem Photobiol*. 74: 760-764.
- Li, MY; Fiorenza, S; Chatham, JR; Mahendra, S; Alvarez, PJJ. (2010). 1,4-Dioxane biodegradation at low temperatures in Arctic groundwater samples. *Water Res*. 44: 2894-2900.
- Li, MY; Mathieu, J; Liu, YY; Van Orden, ET; Yang, Y; Fiorenza, S; Alvarez, PJJ. (2014). The Abundance of Tetrahydrofuran/Dioxane Monooxygenase Genes (thmA/dxmA) and 1,4-Dioxane Degradation Activity Are Significantly Correlated at Various Impacted Aquifers. *Environ Sci Technol Lett*. 1: 122-127.
- Li, MY; Mathieu, J; Yang, Y; Fiorenza, S; Deng, Y; He, ZL; Zhou, JZ; Alvarez, PJJ. (2013). Widespread Distribution of Soluble Di-Iron Monooxygenase (SDIMO) Genes in Arctic Groundwater Impacted by 1,4-Dioxane. *Environmental Science & Technology*. 47: 9950-9958.
- Li, MY; van Orden, ET; DeVries, DJ; Xiong, Z; Hinchee, R; Alvarez, PJ. (2015). Bench-scale biodegradation tests to assess natural attenuation potential of 1,4-dioxane at three sites in California. *Biodegradation*. 26: 39-50.
- Li, P; Smyth, DD. (2008). Suppressed renal response to 2,6-dimethyl clonidine but not clonidine in one kidney-one clip hypertensive rats. *The Journal of organic chemistry*. 267: 1395-1400.
- Li, PF; Yi, CB; Qu, J. (2015). Hot water-promoted cyclopropylcarbinyl rearrangement facilitates construction of homoallylic alcohols. *Organic & Biomolecular Chemistry*. 13: 5012-5021.
- Li, S; Lundquist, K; Stenhagen, G. (1996). Studies on the formation of 1-(4-hydroxy-3,5-dimethoxyphenyl)-2-(4-hydroxy-3-methoxyphenyl)-1-propan one and 2-(4-hydroxy-3,5-dimethoxyphenyl)-1-(4-hydroxy-3-methoxyphenyl)-1-propan one on acid treatment of birch lignin. *Holzforschung*. 50: 253-257.
- Li, S; Meng, F; Wang, Z; Zhong, Y; Zheng, M; Liu, H; Zhong, Z. (1995). Biodegradable polymersomes with an ionizable membrane: facile preparation, superior protein loading, and endosomal pH-responsive protein release. *Eur J Pharmacol*. 280: 205-210.
- Li, SR; Chen, X; Li, MZ. (2011). EFFECT OF SOME FACTORS ON FABRICATION OF POLY(L-LACTIC ACID) MICROPOROUS FOAMS BY THERMALLY INDUCED PHASE SEPARATION USING N,N-DIMETHYLACETAMIDE AS SOLVENT. *Preparative Biochemistry & Biotechnology*. 41: 53-72.
- Li, W; Wang, Q; Cui, SW; Burchard, W; Yada, R. (2007). Carbanilation of cereal beta-glucans for molecular weight determination and conformational studies. *Carbohydr Res*. 342: 1434-1441.
- Li, W; Yin, ZW; Jiang, XQ; Sun, PP. (2011). Palladium-Catalyzed Direct Ortho C-H Arylation of 2-Arylpyridine Derivatives with Aryltrimethoxysilane. *J Org Chem*. 76: 8543-8548.
- Li, WG; Waldkirch, JP; Zhang, XM. (2002). Chiral C(2)-symmetric ligands with 1,4-dioxane back-bone derived from tartrates: Syntheses and applications in asymmetric hydrogenation. *J Org Chem*. 67: 7618-7623.
- Li, X; Kroeger, A; Azzam, T; Eisenberg, A. (2008). Dendrimer influenced supramolecular structure formation of block copolymers: II. Dendrimer concentration dependence. *Langmuir : the ACS journal of surfaces and colloids*. 24: 2705-2711.
- Li, X; Zhao, M; Tang, YR; Wang, C; Zhang, Z; Peng, S. (2008). N-2-(5,5-Dimethyl-1,3-dioxane-2-yl)ethyl amino acids: Their synthesis, anti-inflammatory evaluation and QSAR analysis. *Eur J Med Chem*. 43: 8-18.
- Li, Y; Mondal, KC; Roesky, HW; Zhu, HP; Stollberg, P; Herbst-Irmer, R; Stalke, D; Andrada, DM. (2013). Acyclic Germynes: Congeners of Allenes with a Central Germanium Atom. *J Am Chem Soc*. 135: 12422-12428.
- Li, Y; Yu, ZK; Wu, SZ. (2008). Efficient copper(II)-catalyzed addition of activated methylene compounds to alkenes. *J Org Chem*. 73: 5647-5650.
- Li, YM; Jiang, T; Lv, Y; Wu, Y; He, F; Zhuo, RX. (2015). Amphiphilic copolymers with pendent carboxyl groups for high-efficiency loading and controlled release of doxorubicin. *Colloids and Surfaces B-Biointerfaces*. 132: 54-61.
- Li, Z; Yang, Q; Chang, R; Ma, G; Chen, M; Zhang, W. (2011). N-Heteroaryl-1,8-naphthalimide fluorescent sensor for water: Molecular design, synthesis and properties. *Dyes and Pigments*. 88: 307-314.
- Lièvre, C; Humez, Sb; Fréchet, C; Demailly, G. (1997). Synthèse de 1,2-cis C-glycofuranosides d'Aldoses non protégés. *Tetrahedron Letters*. 38: 6003-6006.
- Liang, DQ; Li, XG; Lan, Q; Huang, WZ; Yuan, L; Ma, YH. (2016). Tin tetrachloride pentahydrate-catalyzed regioselective chlorohydroxylation of alpha,beta-unsaturated ketones in water with Selectfluor as a chlorine source. *Tetrahedron Letters*. 57: 2207-2210.
- Liang, Q; De Brabander, JK. (2011). Heterocycles via intramolecular platinum-catalyzed propargylic substitution. *Tetrahedron*. 67: 5046-5053.
- Lichtenberg, C; Spaniol, TP; Peckermann, I; Hanusa, TP; Okuda, J. (2013). Cationic, Neutral, and Anionic Allyl Magnesium Compounds: Unprecedented Ligand Conformations and Reactivity Toward Unsaturated Hydrocarbons. *J Am Chem Soc*. 135: 811-821.
- Liebeskind, LS; Johnson, SA; McCallum, JS. (1990). Synthesis of 3-alkylidene phthalimides by reaction of isocyanates with ortho-manganated aromatic ketones. *Tetrahedron Letters*. 31: 4397-4400.
- Lien, EJ; Liao, RC; Shinouda, HG. (1979). Quantitative structure-activity relationships and dipole moments of anticonvulsants and CNS depressants. *J Pharm Sci*. 68: 463-465.
- Liepinsh, E; Sodano, P; Tassin, S; Marion, D; Vovelle, F; Otting, G. (1999). Solvation study of the non-specific lipid transfer protein from wheat by intermolecular NOEs with water and small organic molecules. *Journal of Biomolecular Nmr*. 15: 213-225.
- Likos, CN; Lowen, H; Poppe, A; Willner, L; Roovers, J; Cubitt, B; Richter, D. (1998). Ordering phenomena of star polymer solutions approaching the Theta state. *Physical Review E*. 58: 6299-6307.
- Lilja, HS; Holbrook, DJ, Jr. (1981). Characterization of the 107S Peak on Hepatic Polysomal Profiles From Carbon Tetrachloride-Treated Rats. *Environ Res*. 24: 330-337.

Environmental Hazard Literature Search Results

Off Topic

- Lim, C. (2004). Development of new fluorinated synthons (E)/(Z)-1-chloro-1,2-difluoro-2-iodoethenes: A single step or sequentially two steps stereospecific preparation of $\hat{1}\pm, \hat{1}^2$ -difluoro ethenyl compounds with symmetrical or unsymmetrical substituents. PhD, The University of Iowa.
- Lim, C; Wang, Y; Burton, DJ. (2016). Stereospecific synthesis of unsymmetrical (E)- and (Z)-1,2-difluorostilbenes. *Journal of Fluorine Chemistry*. 185: 206-212.
- Lim, Ji; Yu, B; Lee, YK. (2008). Fabrication of collagen hybridized elastic PLCL for tissue engineering. *Biotechnol Lett*. 30: 2085-2090.
- Limones, EM; Cobaleda, AAF; Sanders, EJ; Barber, FA. (2009). Adverse events associated with biodegradable lactide-containing suture anchors. *Obes Surg*. 19: 1274-1277.
- Lin, B; Doan, LX; Yagi, H; Jerina, DM; Whalen, DL. (1998). Halide effects in the hydrolysis reactions of (+/-)-7 beta,8 alpha-dihydroxy-9 alpha,10 alpha-epoxy-7,8,9,10-tetrahydrobenzo a pyrene. *Chem Res Toxicol*. 11: 630-638.
- Lin, B; Islam, N; Friedman, S; Yagi, H; Jerina, DM; Whalen, DL. (1998). Change of rate limiting step in general acid-catalyzed benzo a pyrene diol epoxide hydrolysis. *J Am Chem Soc*. 120: 4327-4333.
- Lin, X; Gong, J. (2004). Electrocatalytic oxidation and selective detection of dopamine at a 5,5-ditetradecyl-2-(2-trimethyl-ammonioethyl)-1,3-dioxane bromide self-assembled bilayer membrane modified glassy carbon electrode. *Anal Chim Acta*. 507: 255-261.
- Lin, YS; Jiang, SY; Huang, TC; Lin, SJ; Chow, YL. (1998). New method for the synthesis of polyether-bridged azulenes: Reactions of conjugated ketocarbenes generated from the corresponding azulenoquinone diazides. *J Org Chem*. 63: 3364-3370.
- Lindner, E; Sickinger, A; Wegner, P. (1988). Neuartige basische Liganden für die homogenkatalytische Methanolcarbonylierung: XVII. Dioxanylmethyldiorganylphosphane als Steuerliganden bei der Methanol(hydro) carbonylierung zu Acetaldehyd und Essigsäure. *Journal of Organometallic Chemistry*. 349: 75-94.
- Ling, HW. (1954). A STUDY OF SOME PHYSICAL AND CHEMICAL PROPERTIES OF THE BINARY SYSTEM DINITROGEN-TETROXIDE-1,4-DIOXANE. PhD, The Ohio State University.
- Lippincott, D; Streger, SH; Schaefer, CE; Hinkle, J; Stormo, J; Steffan, RJ. (2015). Bioaugmentation and Propane Biosparging for In Situ Biodegradation of 1,4-Dioxane. *Ground Water Monitoring and Remediation*. 35: 81-92.
- Lipshutz, BH; Mollard, P; Lindsley, C; Chang, V. (1997). cyclo-SEM: A new carbonyl protecting group. *Tetrahedron Letters*. 38: 1873-1876.
- Liptak, A; Borbas, A; Janossy, L; Szilagy, L. (2000). Preparation of (2-naphthyl)methylene acetals of glycosides and their hydrogenolytic transformation into 2-naphthylmethyl (NAP) ethers. *Tetrahedron Letters*. 41: 4949-4953.
- Lister, RG; Durcan, MJ; Nutt, DJ; Linnoila, M. (1989). Attenuation of ethanol intoxication by alpha-2 adrenoceptor antagonists. *Life Sci*. 44: 111-119.
- Litwinienko, G; Ingold, KU. (2004). Abnormal solvent effects on hydrogen atom abstraction. 2. Resolution of the curcumin antioxidant controversy. The role of sequential proton loss electron transfer. *J Org Chem*. 69: 5888-5896.
- Liu, B; Bazan, GC. (2006). Synthesis of cationic conjugated polymers for use in label-free DNA microarrays. *Nature Protocols*. 1: 1698-1702.
- Liu, C; Widenhoefer, RA. (2005). Platinum(II)/europium(III)-catalyzed intramolecular hydroalkylation of 4-pentenyl beta-dicarbonyl compounds. *Tetrahedron Letters*. 46: 285-287.
- Liu, CD; Andjelic, S; Zhou, J; Xu, YM; Vailhe, C; Vetreccin, R. (2008). Thermal stability and melt rheology of poly(p-dioxanone). *Journal of Materials Science-Materials in Medicine*. 19: 3481-3487.
- Liu, CL; Wang, MJ; Wu, G; You, J; Chen, SC; Liu, Y; Wang, YZ. (2014). Preparation of core-shell nanofibers with selectively localized CNTs from Shish Kebab-like hierarchical composite micelles. *Macromol Rapid Comm*. 35: 1450-1457.
- Liu, D; Liu, C; Li, H; Lei, AW. (2013). Direct Functionalization of Tetrahydrofuran and 1,4-Dioxane: Nickel-Catalyzed Oxidative C(sp³)-H Arylation. *Angewandte Chemie-International Edition*. 52: 4453-4456.
- Liu, F; Ma, DW. (2007). Assembly of conjugated enynes and substituted indoles via CuI/amino acid-catalyzed coupling of 1-alkynes with vinyl iodides and 2-bromotrifluoroacetanilides. *J Org Chem*. 72: 4844-4850.
- Liu, F; Nesbitt, T; Drezner, MK; Friedman, PA; Gesek, FA. (1997). Proximal nephron Na⁺/H⁺ exchange is regulated by alpha 1A- and alpha 1B-adrenergic receptor subtypes. *Mol Pharmacol*. 52: 1010-1018.
- Liu, F-S; Li, Z; Yu, S-T; Cui, X; Xie, C-X; Ge, X-P. (2009). Methanolysis and Hydrolysis of Polycarbonate Under Moderate Conditions. *Journal of Polymers and the Environment*. 17: 208-211.
- Liu, G. (1991). Deuterium NMR relaxation studies of liquids in confined geometries. PhD, University of Illinois at Urbana-Champaign.
- Liu, GG; Jiang, XN; Xu, XB. (2001). Photodegradation of 1-(2-chlorobenzoyl)-3-(4-chlorophenyl) urea in different media and toxicity of its reaction products. *J Agric Food Chem*. 49: 2359-2362.
- Liu, GQ; Li, W; Wang, YM; Ding, ZY; Li, YM. (2012). Ligand acceleration in Zn(II)-catalyzed intramolecular hydroamination of unfunctionalized olefins. *Tetrahedron Letters*. 53: 4393-4396.
- Liu, GY; Zhai, YL; Wang, XL; Wang, WT; Pan, YB; Dong, XT; Wang, YZ. (2008). Preparation, characterization, and in vitro drug release behavior of biodegradable chitosan-graft-poly(1, 4-dioxan-2-one) copolymer. *Carbohydr Polymer*. 74: 862-867.
- Liu, H; Jin, P; Xue, YM; Dong, CK; Li, X; Tang, CC; Du, XW. (2015). Photochemical Synthesis of Ultrafine Cubic Boron Nitride Nanoparticles under Ambient Conditions. *Angewandte Chemie-International Edition*. 54: 7051-7054.
- Liu, HJ; Xu, XJ; Sho, ZJ; Liu, KQ; Fang, Y. (2016). Solvatochromic Probes Displaying Unprecedented Organic Liquids Discriminating Characteristics. *Anal Chem*. 88: 10167-10175.
- Liu, J; Jiang, Z; Zhang, S; Liu, C; Gross, RA; Kyriakides, TR; Saltzman, WM. (2011). Biodegradation, biocompatibility, and drug delivery in poly(ω -pentadecalactone-co-p-dioxanone) copolyesters. *Biomaterials*. 32: 6646-6654.
- Liu, J; Lee, LS; Nies, LF; Nakatsu, CH; Turco, RF. (2007). Biotransformation of 8 : 2 fluorotelomer alcohol in soil and by soil bacteria isolates. *Environmental Science & Technology*. 41: 8024-8030.

Environmental Hazard Literature Search Results

Off Topic

- Liu, L; Wang, X; Liu, Y; Xu, L; Li, G; Liu, L; Pang, W. (2009). Solution-mediated syntheses and characterizations of two new zincophosphites [C₆H₁₄N₂O]_{0.5}[Zn(H₂PO₃)₂] and [C₄H₁₂N₂O]_{0.5}[(CH₃)₂NH₂][Zn₂(HPO₃)₃]. *Inorganica Chimica Acta*. 362: 4053-4058.
- Liu, L; Wu, C; Zhang, J; Zhang, M; Liu, Y; Wang, X; Fu, G. (2008). Controlled polymerization of 2-(diethylamino)ethyl methacrylate and its block copolymer with N-isopropylacrylamide by RAFT polymerization. *Journal of polymer science*. 46: 3294-3305.
- Liu, S; He, Z; Xu, G; Xiao, X. (2014). Fabrication of polycaprolactone nanofibrous scaffolds by facile phase separation approach. *Materials science & engineering C, Materials for biological applications*. 44: 201-208.
- Liu, W; Hou, F. Transition-metal-free dehalogenation of aryl halides promoted by phenanthroline/potassium tert-butoxide. *Tetrahedron*.
- Liu, W; Ma, L; Sun, XD; Sun, TX; Cheng, YH; Li, TJ. (1996). Fluorometric assay for horseradish peroxidase in organic media. *Appl Biochem Biotechnol*. 56: 129-139.
- Liu, XH; Won, YJ; Ma, PX. (2005). Surface modification of interconnected porous scaffolds. *Journal of Biomedical Materials Research Part A*. 74A: 84-91.
- Liu, ZL; Meng, LK; Chen, JQ; Cao, YF; Wang, ZG; Ren, H. (2016). The utilization of soybean straw III: Isolation and characterization of lignin from soybean straw. *Biomass & Bioenergy*. 94: 12-20.
- Llor, J; Munoz, L. (2000). Tautomeric equilibrium of pyridoxine in water. Thermodynamic characterization by (13)C and (15)N nuclear magnetic resonance. *J Org Chem*. 65: 2716-2722.
- Loehr, RC; Erickson, DC; Kelmar, LA. (1993). Characteristics of residues at hazardous waste land treatment units. *Water Res*. 27: 1127-1138.
- Lokesh, BG; Rao, KSVK; Reddy, KM; Rao, KC; Rao, PS. (2008). Novel nanocomposite membranes of sodium alginate filled with polyaniline-coated titanium dioxide for dehydration of 1,4-dioxane/water mixtures. *Desalination*. 233: 166-172.
- Lokot, IP; Pashkovsky, FS; Lakhvich, FA. (1999). A new approach to the synthesis of 3,6- and 5,6-dialkyl derivatives of 4-hydroxy-2-pyrone. Synthesis of rac-germicidin. *Tetrahedron*. 55: 4783-4792.
- Longhi, G; Ricard, L; Abbate, S; Zerbi, G. (1986). A comparative study of the fundamental and overtone spectra of dioxane. *Journal of Molecular Structure*. 141: 325-330.
- Longino, J; Mullen, B; Benghuzzi, H; Tucci, M; Tang, C; Storey, R; Puckett, A. (2003). Evaluation of novel biodegradable cyclic carbonate polyester copolymers for cytocompatibility using MRC-5 cells. *Biomedical sciences instrumentation*. 39: 306-311.
- Lookingland, KJ; Ireland, LM; Gunnet, JW; Manzanares, J; Tian, Y; Moore, KE. (1991). 3-Methoxy-4-hydroxyphenylethyleneglycol concentrations in discrete hypothalamic nuclei reflect the activity of noradrenergic neurons. *Brain Res*. 559: 82-88.
- Lopez, G; Garcia, G; Galvez, J; Cutillas, N. (1983). Pt(C₆F₅)₂ and its adducts with ketones, arenes and water. *Journal of Organometallic Chemistry*. 258: 123-130.
- Lopez, MSP; Tamimi, F; Lopez-Cabarcos, E; Lopez-Ruiz, B. (2009). Highly sensitive amperometric biosensor based on a biocompatible calcium phosphate cement. *Biosensors & Bioelectronics*. 24: 2574-2579.
- Lopez, O; Maya, I; Ulgar, V; Robina, I; Fernandez-Bolanos, JG. (2002). Expedient synthesis of cyclic isourea derivatives of beta-D-glucopyranosylamine. *Tetrahedron Letters*. 43: 4313-4316.
- Loschen, C; Klamt, A. (2015). Solubility prediction, solvate and cocrystal screening as tools for rational crystal engineering. *J Pharm Pharmacol*. 67: 803-811.
- Lou, WY; Zong, MH; Wu, H. (2005). Enzymic asymmetric hydrolysis of D,L-p-hydroxyphenylglycine methyl ester in aqueous ionic liquid co-solvent mixtures. *Biotechnology and Applied Biochemistry*. 41: 151-156.
- Lourenco, EC; Ventura, MR. (2011). The synthesis of compatible solute analogues-solvent effects on selective glycosylation. *Carbohydr Res*. 346: 163-168.
- Love, BB; Bannister, TT. (1963). Studies of Colloidal Chlorophyll in Aqueous Dioxane. *Biophysical Journal*. 3: 99-113.
- Lowry, JB; Kennedy, PM; Conlan, LL. (2002). Lignin in the 'cell contents' fraction of tropical forages. *J Sci Food Agric*. 82: 370-374.
- Lumbroso, H; Liègeois, C. (1979). The solvent effect on the dipole moments of acylpyrroles. *Journal of Molecular Structure*. 51: 247-256.
- Lumbroso, H; Liègeois, C; Devillanova, FA; Verani, G. (1981). A dipole moment study of N-methyl and N,N-dimethyl-imidazolidin-2-ones, imidazolidine-2-thiones and -2-selenones. *Journal of Molecular Structure*. 77: 239-251.
- Lundberg, I; Ekdahl, M; Kronevi, T; Lidums, V; Lundberg, S. (1986). Relative hepatotoxicity of some industrial solvents after intraperitoneal injection or inhalation exposure in rats. *Environ Res*. 40: 411-420.
- Lundberg, I; Hågerberg, J; Kronevi, T; Holmberg, B. (1987). Three industrial solvents investigated for tumor promoting activity in the rat liver. *Cancer Lett*. 36: 29-33.
- Luo, BH; Hsu, CE; Li, JH; Zhao, LF; Liu, MX; Wang, XY; Zhou, CR. (2013). Nano-composite of poly(L-lactide) and halloysite nanotubes surface-grafted with L-lactide oligomer under microwave irradiation. *Journal of Biomedical Nanotechnology*. 9: 649-658.
- Luo, W; Deka, U; Beale, AM; van Eck, ERH; Bruijninx, PCA; Weckhuysen, BM. (2013). Ruthenium-catalyzed hydrogenation of levulinic acid: Influence of the support and solvent on catalyst selectivity and stability. *J Catal*. 301: 175-186.
- Luo, XH; Huang, FW; Qin, SY; Wang, HF; Feng, J; Zhang, XZ; Zhuo, RX. (2011). A strategy to improve serum-tolerant transfection activity of polycation vectors by surface hydroxylation. *Biomaterials*. 32: 9925-9939.
- Lutfullah; Alam, MN; Rahman, N; Azmi, SN. (2008). Optimized and validated spectrophotometric method for the determination of uranium(VI) via complexation with meloxicam. *J Hazard Mater*. 155: 261-268.
- Luzzio, FA; Fitch, RW. (1999). Formal synthesis of (+)- and (-)-perhydrohistrionicotoxin: A "double Henry"/enzymatic desymmetrization route to the Kishi lactam. *J Org Chem*. 64: 5485-5493.
- Lv, PC; Wang, KR; Mao, WJ; Xiong, J; Li, HQ; Yang, Y; Shi, L; Zhu, HL. (2009). Synthesis, crystal structure and immunosuppressive activity of acylamide derivatives containing 1,4-benzodioxan. *ChemMedChem*. 4: 1421-1424.

Environmental Hazard Literature Search Results

Off Topic

- Ma, E; Kim, H; Kim, E. (2005). Epoxidation and reduction of cholesterol, 1,4,6-cholestatrien-3-one and 4,6-cholestadien-3 beta-ol. *Steroids*. 70: 245-250.
- Ma, L; Xiao, Y; Li, C; Xie, ZL; Li, DD; Wang, YT; Ma, HT; Zhu, HL; Wang, MH; Ye, YH. (2013). Synthesis and antioxidant activity of novel Mannich base of 1,3,4-oxadiazole derivatives possessing 1,4-benzodioxan. *Bioorganic & medicinal chemistry*. 21: 6763-6770.
- Ma, XJ; Zheng, X; Lin, L; Chen, LH; Survase, S; Huang, LL; Cao, SL. (2015). Evaluating effects of benzene-ethanol extraction on molecular weight of lignin isolated from pretreated bamboo substrate. *Wood Science and Technology*. 49: 945-955.
- Ma, ZW; Gao, CY; Gong, YH; Shen, JC. (2003). Paraffin spheres as porogen to fabricate poly(L-lactic acid) scaffolds with improved cytocompatibility for cartilage tissue engineering. *Journal of Biomedical Materials Research Part B-Applied Biomaterials*. 67B: 610-617.
- Majtra, E. (1997). Infrared spectroscopic studies on polarity and tautomerism of 3(2H)-pyridazinone derivatives. *Journal of Molecular Structure*. 408: 467-472.
- Müller, B; Krause, J. (1972). Strukturuntersuchungen an organochromverbindungen IV. IR- und Röntgenstrukturanalyse des $(LiC_5H_5CrCl_3 \cdot 2 C_4H_8O) \cdot 2 C_4H_8O_2$. *Journal of Organometallic Chemistry*. 44: 141-159.
- Mabuchi, T; Yoon, S-M; Ishiura, H. (2011). Solvent dependency of pentacene degradation for top-gate-type organic ferroelectric memory. *Curr Appl Phys*. 11: S98-S101.
- MacDonald, LP; Skinner, DJ; Hopton, FJ; Thomas, GH. (1977). Burning Waste Chlorinated Hydrocarbons in a Cement Kiln. Technology Development Report EPS 4-WP-77-2, Environmental Protection Service, Fisheries and Environment Canada, Ottawa, Canada, March, 1977, 223 p, 31 fig, 66 tab, 28 ref, 9 append.
- Macdonald, RL; Kassell, NF; Mayer, S; Ruefenacht, D; Schmiedek, P; Weidauer, S; Frey, A; Roux, S; Pasqualin, A; Conscious, I. (2008). Clazosentan to overcome neurological ischemia and infarction occurring after subarachnoid hemorrhage (CONSCIOUS-1): randomized, double-blind, placebo-controlled phase 2 dose-finding trial. *Stroke; a journal of cerebral circulation*. 39: 3015-3021.
- Machado, AEH; Furuyama, AM; Falone, SZ; Ruggiero, R; Perez, DD; Castellan, A. (2000). Photocatalytic degradation of lignin and lignin models, using titanium dioxide: the role of the hydroxyl radical. *Chemosphere*. 40: 115-124.
- Machiguchi, T; Okamoto, J; Takachi, J; Hasegawa, T; Yamabe, S; Minato, T. (2003). Exclusive formation of alpha-methyleneoxetanes in ketene-alkene cycloadditions. Evidence for intervention of both an alpha-methyleneoxetane and the subsequent 1,4-zwitterion. *J Am Chem Soc*. 125: 14446-14448.
- Maciucă, AL; Dumitriu, E; Fajula, F; Hulea, V. (2007). Catalytic oxidation processes for removing dimethylsulfoxide from wastewater. *Chemosphere*. 68: 227-233.
- MacNicol, DD; Mallison, PR; Murphy, A; Sym, GJ. (1982). An efficient synthesis of hexa-substituted benzenes and the discovery of a novel host conformation for hexakis (1²-naphthylthio) benzene. *Tetrahedron Letters*. 23: 4131-4134.
- Madani, M. (2011). Structure, optical and thermal decomposition characters of LDPE graft copolymers synthesized by gamma irradiation. *Curr Appl Phys*. 11: 70-76.
- Madhurima, V; Purkayastha, DD; Rao, NVS. (2011). Wettability, FTIR and dielectric studies of 1,4-dioxane and water system. *J Colloid Interface Sci*. 357: 229-233.
- Madsen, AS; Wengel, J. (2012). Oligonucleotides with 1,4-Dioxane-Based Nucleotide Monomers. *J Org Chem*. 77: 3878-3886.
- Madzhidova, VE; Smirnova, LS; Abduazimov, KA. A study of the dioxane lignin of the stems of the cotton plant of variety S-4880. *Chemistry of Natural Compounds*. Nov 1987. v. 23 (3): 357-360.
- Maeda, H; Koide, T; Matsumoto, S; Ohmori, H. (1996). Fluorination of secondary and primary alcohols by thermal decomposition of electrochemically generated alkoxy triphenylphosphonium tetrafluoroborates. *Chemical & Pharmaceutical Bulletin*. 44: 1480-1483.
- Maeda, M; Kajimoto, N; Yamaizumi, Z; Okamoto, Y; Nagahara, K; Takayanagi, H. (1997). Synthesis of a novel dioxane nucleoside having two bases, 2(R)-(5-fluorouracil-1-yl)-5(R)-hydroxymethyl-3(R)-(uracil-1-yl)-1,4-dioxane and its 2(S)-isomer, from uridine. *Tetrahedron Letters*. 38: 6841-6844.
- Maercker, A; Grebe, B. (1987). Polyolithiumorganische Verbindungen: VII. Dilithioacetylen statt 1,2-Dilithioethan bei der Reaktion von Ethylen mit Lithium, eine Korrektur. *Journal of Organometallic Chemistry*. 334: C21-C23.
- Magina, S; Marques, AP; Evtuguin, DV. (2015). Study on the residual lignin in Eucalyptus globulus sulphite pulp. *Holzforschung*. 69: 513-522.
- Magri, FMM; Kato, MJ; Yoshida, M. (1996). Butanolides and a neolignan from the fruits of *Iryanthera paraensis* Huber. *Phytochemistry*. 43: 669-671.
- Maguire, J; Watkin, N. (1975). Carbonic anhydrase inhibition. *Bull Environ Contam Toxicol*. 13: 625-629.
- Mahal, K; Resch, M; Ficner, R; Schobert, R; Biersack, B; Mueller, T. (2014). Effects of the Tumor-Vasculature-Disrupting Agent Verubulin and Two Heteroaryl Analogues on Cancer Cells, Endothelial Cells, and Blood Vessels. *ChemMedChem*. 9: 847-854.
- Mahkam, M; Sanjani, NS; Entezami, AA. (2000). Regulation of controlled release of ibuprofen from crosslinked polymers containing cubane as a new crosslinking agent. *J Bioact Compat Polymer*. 15: 396-405.
- Mahmoudian, M; Eaddy, J; Dawson, M. (1999). Enzymic acylation of 506U78 (2-amino-9-beta-D-arabinofuranosyl-6-methoxy-9H-purine), a powerful new anti-leukaemic agent. *Biotechnology and Applied Biochemistry*. 29: 229-233.
- Mahrova, TV; Fukin, GK; Cherkasov, AV; Trifonov, AA; Ajellal, N; Carpentier, JF. (2009). Yttrium complexes supported by linked bis(amide) ligand: synthesis, structure, and catalytic activity in the ring-opening polymerization of cyclic esters. *Inorg Chem*. 48: 4258-4266.
- Mai, C; Milstein, O; Huttermann, A. (1999). Fungal laccase grafts acrylamide onto lignin in presence of peroxides. *Appl Microbiol Biotechnol*. 51: 527-531.
- Maiwald, S; Taube, R; Hemling, H; Schumann, H. (1998). LII.1 Synthese und Charakterisierung von Bis- und Mono-(1-3-allyl)neodym(III)-chlorid, $Nd(\eta^3-C_3H_5)_2Cl \cdot 1.5 THF$ und $Nd(\eta^3-C_3H_5)Cl_2 \cdot 2THF$, zur Gewinnung hoch aktiver und selektiver Komplexkatalysatoren für die 1,4-cis-Polymerisation des Butadiens. *Journal of Organometallic Chemistry*. 552: 195-204.

Environmental Hazard Literature Search Results

Off Topic

- Majewski, M; Nowak, P. (2000). Aldol addition of lithium and boron enolates of 1,3-dioxan-5-ones to aldehydes. A new entry into monosaccharide derivatives. *J Org Chem.* 65: 5152-5160.
- Makadia, P; Shah, SR; Pingali, H; Zaware, P; Patel, D; Pola, S; Thube, B; Priyadarshini, P; Suthar, D; Shah, M; Giri, S; Trivedi, C; Jain, M; Patel, P; Bahekar, R. (2011). Effect of structurally constrained oxime-ether linker on PPAR subtype selectivity: Discovery of a novel and potent series of PPAR-pan agonists. *Bioorganic & Medicinal Chemistry.* 19: 771-782.
- Makhamedova, S; Smirnova, LS; Abduazimov, KA. A study of dioxane lignin from bolls of the cotton plant of variety AN Bayaut-2. II. Chemistry of Natural Compounds. Nov 1987. v. 23 (3): 355-356.
- Makhneva, ZK; Toropygina, OA; Moskalenko, AA. (2005). Formation of bacteriochlorophyll form B820 in light harvesting 2 complexes from purple sulfur bacteria treated with dioxane. *Biochemistry-Moscow.* 70: 1119-1125.
- Makino, R; Kawasaki, H; Kishimoto, A; Gamo, M; Nakanishi, J. (2006). Estimating health risk from exposure to 1,4-dioxane in Japan. *Environmental sciences : an international journal of environmental physiology and toxicology.* 13: 43-58.
- Malashkevich, VN; Sinitzina, NI. New crystal form of cytosolic chicken aspartate aminotransferase suitable for high-resolution X-ray analysis. *Journal of molecular biology.* Sept 5, 1991. v. 221 (1): 61-63.
- Malendowicz, LK; Colby, HD. (1982). Effects of Carbon Tetrachloride on Adrenocortical Function in Rats. *Toxicol Appl Pharmacol.* 65: 32-37.
- Malinowski, JJ. (2000). Reactive extraction for downstream separation of 1,3-propanediol. *Biotechnol Prog.* 16: 76-79.
- Malkov, AV; Baxendale, IR; Mansfield, DJ; Kocovsky, P. (2001). Molybdenum(0) and tungsten(0) catalysts with enhanced reactivity for allylic substitution: regioselectivity and solvent effects. *Journal of the Chemical Society-Perkin Transactions* 11234-1240.
- Mallet, L; Foliot, A; Amat, D; Mignot, J; Celier, C; Petite, JP. (1981). The Degree of Hepatic Enzyme Induction Might Be Related to the Amount of Hepatic Fibrosis in Rats Chronically Intoxicated by CCl. *Gastroenterologie Clinique et Biologique.* 5: 572-576.
- Mallick, A; Bera, SC; Maiti, S; Chattopadhyay, N. (2004). Fluorometric investigation of interaction of 3-acetyl-4-oxo-6,7-dihydro-12H indolo- 2,3-a quinolizine with bovine serum albumin. *Biophysical Chemistry.* 112: 9-14.
- Mallick, A; Chattopadhyay, N. (2004). Photophysics of norharmine in micellar environments: A fluorometric study. *Biophysical Chemistry.* 109: 261-270.
- Mallick, A; Chattopadhyay, N. (2005). Photophysics in motionally constrained bioenvironment: Interaction of norharmine with bovine serum albumin. *Photochem Photobiol.* 81: 419-424.
- Malykh, EV; Tiourina, OP; Larionova, NI. (2001). Acylation of Bowman-Birk soybean proteinase inhibitor by unsaturated fatty acid derivatives. *Biochemistry-Moscow.* 66: 444-448.
- Mammoli, V; Bonifazi, A; Del Bello, F; Diamanti, E; Giannella, M; Hudson, AL; Mattioli, L; Perfumi, M; Piergentili, A; Quaglia, W; Titomanlio, F; Pignini, M. (2012). Favourable involvement of alpha(2A)-adrenoreceptor antagonism in the I(2)-imidazoline binding sites-mediated morphine analgesia enhancement. *Bioorganic & Medicinal Chemistry.* 20: 2259-2265.
- Manahan-Vaughan, D; Anwyl, R; Rowan, MJ. (1996). 5-HT1A receptor-mediated inhibition in the hippocampus of the alert rat--effects of repeated gepirone treatment. *Eur J Pharmacol.* 260: 149-155.
- Mang, MN. (1988). Synthesis of poly (metallophosphazenes) and novel poly (organophosphazenes). PhD, The Pennsylvania State University.
- Mange, YJ; Isloor, AM; Malladi, S; Isloor, S; Fun, H-K. (2013). Synthesis and antimicrobial activities of some novel 1,2,4-triazole derivatives. *Arabian journal of chemistry.* 6: 177-181.
- Manjappa, KB; Peng, YT; Jhang, WF; Yang, DY. (2016). Microwave-promoted, catalyst-free, multi-component reaction of proline, aldehyde, 1,3-diketone: one pot synthesis of pyrrolizidines and pyrrolizidones. *Tetrahedron.* 72: 853-861.
- Manji, HK; Chen, G; Bitran, JA; Gusovsky, F; Potter, WZ. (1992). Idazoxan down-regulates beta-adrenoceptors on C6 glioma cells in vitro. *Eur J Pharmacol.* 227: 275-282.
- Manoussakis, G; Kouimtzi, T. (1969). Study on complexes of Fe³⁺, Cu²⁺ and UO₂²⁺ with benzanilidoxime. *Journal of Inorganic and Nuclear Chemistry.* 31: 3851-3854.
- Mansfeld, J; Ulbrich-Hofmann, R. (2007). The stability of engineered thermostable neutral proteases from *Bacillus stearothermophilus* in organic solvents and detergents. *Biotechnol Bioeng.* 97: 672-679.
- Manso, JA; Perez-Prior, MT; Garcia-Santos, MD; Calle, E; Casado, J. (2005). A kinetic approach to the alkylating potential of carcinogenic lactones. *Chem Res Toxicol.* 18: 1161-1166.
- Manuel, NA; Wallis, DI; Crick, H. (1995). Ketanserin-sensitive depressant actions of 5-HT receptor agonists in the neonatal rat spinal cord. *Br J Pharmacol.* 116: 2647-2654.
- Manwaring, JF; Van Den Berg, LA; Faust, B. (1980). EPA Puts Emergency Water Provisions into Action. *Water and Wastes Engineering Vol 17, No 4*, p 40, 42-44, April, 1980.
- Mao, H-K. (1978). THE EFFECT OF SOLVENT AND LIGAND ON THE METAL ION CATALYZED OXALACETATE DECARBOXYLATION: AN EQUILIBRIUM AND KINETICS STUDY IN DIOXANE-WATER MIXED SOLVENTS. PhD, The Ohio State University.
- Mao, J; Erstfeld, KM; Fackler, PH. (1993). Simultaneous determination of tralometrin, deltamethrin, and related compounds by HPLC with radiometric detection. *J Agric Food Chem.* 41: 596-601.
- Maples, KR; Ma, F; Zhang, YK. (2001). Comparison of the radical trapping ability of PBN, S-PBN and NXY-059. *Free Radical Research.* 34: 417-426.
- Marchetti, E; Jacquet, M; Jeltsch, H; Migliorati, M; Nivet, E; Cassel, JC; Roman, FS. (2008). Complete recovery of olfactory associative learning by activation of 5-HT₄ receptors after dentate granule cell damage in rats. *Neurobiology of learning and memory.* 90: 185-191.
- Marcincinova-Benabdillah, K; Boustta, M; Coudane, J; Vert, M. (2001). Novel degradable polymers combining D-gluconic acid, a sugar of vegetal origin, with lactic and glycolic acids. *Biomacromolecules.* 2: 1279-1284.
- Maripova, SM; Pulatov, BK; Abduazimov, KA. A study of the dioxane lignin of *Ricinus communis*. *Chemistry of Natural Compounds.* Jan 1987. v. 22 (4): 469-471.

Environmental Hazard Literature Search Results

Off Topic

- Marques, CS; Burke, AJ. (2013). Enantioselective catalytic synthesis of ethyl mandelate derivatives using Rh(I)-NHC catalysts and organoboron reagents. *Tetrahedron: Asymmetry*. 24: 628-632.
- Marsh, D. (2002). Polarity contributions to hyperfine splittings of hydrogen-bonded nitroxides - The microenvironment of spin labels. *J Magn Reson*. 157: 114-118.
- Marsura, A; Luu Duc, C; Gellon, GI. (1984). Arrangement des esters glycidiques par les bases: obtention de dérivés fonctionnels du dioxane-1,3. *Tetrahedron Letters*. 25: 4509-4510.
- Martínez, J; Mariño, M; Caamaño, M; Pereira, MT; Ortigueira, JM; Gayoso, E; López-Torres, M; Vila, JM. (2013). Versatile reactivity of dioxaneferrocenylimine palladacycles by controlled acid hydrolysis. Crystal and molecular structure of [Pd{CpFe(5-C5H2{CH(OMe)2}C(H)N-2,4,6-Me3C6H2)}(Cl)(PPh2Et)]. *Journal of Organometallic Chemistry*. 740: 92-97.
- Martijn, BJ; Fuller, AL; Malley, JP; Kruithof, JC. (2010). Impact of IX-UF Pretreatment on the Feasibility of UV/H2O2 Treatment for Degradation of NDMA and 1,4-Dioxane. *Ozone-Science & Engineering*. 32: 383-390.
- Martinková, M; Mezeiová, E; Gonda, J; Jacková, D; Pomikalová, K. (2014). Total synthesis of (±)-jaspine B and its 4-epi-analogue from d-xylose. *Tetrahedron: Asymmetry*. 25: 750-766.
- Martins, RC; Monforte, AR; Ferreira, AS. (2013). Port Wine Oxidation Management: A Multiparametric Kinetic Approach. *J Agric Food Chem*. 61: 5371-5379.
- Martorana, A; Piccionello, AP; Buscemi, S; Giorgi, G; Pace, A. (2011). Synthesis of 4(5)-phenacyl-imidazoles from isoxazole side-chain rearrangements. *Organic & Biomolecular Chemistry*. 9: 491-496.
- Marucci, G; Angeli, P; Brasili, L; Buccioni, M; Giardina, D; Gulini, U; Piergentili, A; Sagratini, G. (2005). Synthesis and antimuscarinic activity of derivatives of 2-substituted-1,3-dioxolanes. *Medicinal Chemistry Research*. 14: 274-296.
- Marucci, G; Angeli, P; Brasili, L; Buccioni, M; Giardina, D; Gulini, U; Piergentili, A; Sagratini, G; Franchini, S. (2005). Synthesis and antimuscarinic activity of derivatives of 2-substituted-1,3-dioxolanes. *Medicinal Chemistry Research*. 14: 309-331.
- Marusawa, H; Setoi, H; Sawada, A; Kuroda, A; Seki, J; Motoyama, Y; Tanaka, H. (2002). Synthesis and biological activity of 1-phenylsulfonyl-4-phenylsulfonylaminopyrrolidine derivatives as thromboxane A(2) receptor antagonists. *Bioorganic & Medicinal Chemistry*. 10: 1399-1415.
- Massi, M; Venturi, F; Brasili, L; Melchiorre, C. (1986). Hypotensive effect in dogs and rats of intravenous injections of the alpha 1-adrenoreceptor antagonist benoxathian. *Pharmacological research communications*. 18: 813-829.
- Masthoff, R; Schöler, H; Krieg, Gn. (1968). Äther organometallverbindungen der II. Hauptgruppe VI. Synthese und eigenschaften von triphenylmethylcalcium-chlorid-donor-akzeptor-komplexen. *Journal of Organometallic Chemistry*. 13: 37-43.
- Mastro Paolo, D; Camerman, A; Luo, Y; Brayer, GD; Camerman, N. Crystal and molecular structure of paclitaxel (taxol). *Proceedings of the National Academy of Sciences of the United States of America*. July 18, 1995. v. 92 (15): 6920-6924.
- Masuda, H; McClay, K; Steffan, RJ; Zylstra, GJ. (2012). Biodegradation of tetrahydrofuran and 1,4-dioxane by soluble diiron monooxygenase in *Pseudonocardia* sp. strain ENV478. *J Mol Microbiol Biotechnol*. 22: 312-316.
- Masuda, K; Ito, Y; Horiguchi, M; Fujita, H. (2005). Studies on the solvent dependence of the carbamic acid formation from omega-(1-naphthyl)alkylamines and carbon dioxide. *Tetrahedron*. 61: 213-229.
- Masuda, Y. (1981). Carbon Tetrachloride-Induced Loss of Microsomal Glucose 6-Phosphatase and Cytochrome P-450 In Vitro. *Japanese Journal of Pharmacology*. 31: 104-116.
- Mateus, N; Routaboul, L; Daran, J-C; Manoury, E. (2006). Synthesis and catalytic applications of new chiral ferrocenyl P,O ligands. *Journal of Organometallic Chemistry*. 691: 2297-2310.
- Matia, L; Romero, J; Ventura, F; Glue, P; White, E; Wilson, S; Ball, DM; Nutt, DJ. (2007). Pharmacology of saccadic eye movements in man. 2. Effects of the alpha 2-adrenoceptor ligands idazoxan and clonidine. *Water science and technology : a journal of the International Association on Water Pollution Research*. 55: 217-221.
- Matondo, H; De, SAVIGNACA; Bergon, M; Calmon, JP; Lattes, A. (1990). Kinetics of the hydrolysis of the potentially pesticidal N-(4-pyridyl)carbamates in micellar solution. *J Agric Food Chem*. 38: 1106-1109.
- Matsufuji, H; Chino, M; Takeda, M. (2004). Effects of paprika pigments on oxidation of linoleic acid stored in the dark or exposed to light. *J Agric Food Chem*. 52: 3601-3605.
- Matsumoto, K; Sato, Y; Shimojo, M; Hatanaka, M. (2000). Highly enantioselective preparation of C2-symmetrical diols: microbial hydrolysis of cyclic carbonates. *Tetrahedron: Asymmetry*. 11: 1965-1973.
- Matsumoto, K; Takahashi, N; Suzuki, A; Morii, T; Saito, Y; Saito, I. (2011). Design and synthesis of highly solvatochromic fluorescent 2'-deoxyguanosine and 2'-deoxyadenosine analogs. *Bioorganic & Medicinal Chemistry Letters*. 21: 1275-1278.
- Matsumura, S; Harai, S; Toshima, K. (1999). Enzymatic synthesis of poly(tetramethylene carbonate) from diethyl carbonate and 1,4-butanediol. *Proceedings of the Japan Academy Series B-Physical and Biological Sciences*. 75: 117-121.
- Matsumura, S; Tsukada, K; Toshima, K. (1999). Novel lipase-catalyzed ring-opening copolymerization of lactide and trimethylene carbonate forming poly(ester carbonate)s. *Int J Biol Macromol*. 25: 161-167.
- Matsumura, Y. (1996). Selection of desorbing solvents for organic compounds from active carbon tubes. *Ind Health*. 34: 167-176.
- Matthewson, MD; Blackman, GG; Hirst, RG. (1980). Resistance to certain organophosphorus insecticides in strains of *Boophilus decoloratus* from Zambia. *The Veterinary record*. 107: 491.
- Mattocks, AR. (1981). Liver Cell Enlargement in Rats Given Hydroxymethyl Pyrroles Analogous to Pyrrolizidine Alkaloid Metabolites, Followed Later by the Hepatotoxin Dimethylnitrosamine. *Toxicol Lett*. 8: 201-205.
- Maurin, C; Bailly, F; Cotelle, P. (2005). Facile access to methoxylated 2-phenylnaphthalenes and epoxydibenzocyclooctenes. *Tetrahedron*. 61: 7054-7058.

Environmental Hazard Literature Search Results

Off Topic

- Maurino, V; Calza, P; Minerio, C; Pelizzetti, E; Vincenti, M. (1997). Light-assisted 1,4-dioxane degradation. *Chemosphere*. 35: 2675-2688.
- Maycock, CD; Rita Ventura, M. (2012). New organocatalysts derived from tartaric and glyceric acids for direct aldol reactions. *Tetrahedron: Asymmetry*. 23: 1262-1271.
- Mayer, P; Brunel, P; Chaplain, C; Piedecoq, C; Calmel, F; Schambel, P; Chopin, P; Wurch, T; Pauwels, PJ; Marien, M; Vidaluc, JL; Imbert, T. (2000). New substituted 1-(2,3-dihydrobenzo[1,4]dioxin-2-ylmethyl)piperidin-4-yl derivatives with alpha(2)-adrenoceptor antagonist activity. *J Med Chem*. 43: 3653-3664.
- Mayper, SA. (1948). THE SOLUBILITY OF CIS- AND TRANS-DINITRO-TETRAMMINE COBALT(III)SULFATES IN WATER - DIOXANE MIXTURES. PhD, The Ohio State University.
- Mazaheri, H; Lee, KT; Bhatia, S; Mohamed, AR. (2010). Sub/supercritical liquefaction of oil palm fruit press fiber for the production of bio-oil: Effect of solvents. *Bioresour Technol*. 101: 7641-7647.
- Mazimba, O; Majinda, RR; Masesane, IB. (2009). An unexpected 1,2-hydride shift in phosphoric acid-promoted cyclodimerization of styrene oxides under solvent-free conditions. A synthetic route towards 2,4-disubstituted 1,3-dioxolanes. *Tetrahedron Letters*. 50: 5927-5929.
- McAtee, LC; Sutton, SW; Rudolph, DA; Li, XB; Aluisio, LE; Phuong, VK; Dvorak, CA; Lovenberg, TW; Carruthers, NI; Jones, TK. (2004). Novel substituted 4-phenyl- 1,3 dioxanes: potent and selective orexin receptor 2 (OX(2)R) antagonists. *Bioorganic & Medicinal Chemistry Letters*. 14: 4225-4229.
- McElvain, SM; Curry, MJ. (1948). Ketene acetals; 2-methylene-1,3-dioxolanes and 1,3-dioxanes. *J Am Chem Soc*. 70: 3781-3786.
- McFee, AF; Abbott, MG; Gulati, DK; Shelby, MD. (1994). Results of mouse bone marrow micronucleus studies on 1,4-dioxane. *Mutat Res*. 322: 145-148.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 10-oxahexadecanolide. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S158-162.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 11-oxahexadecanolide. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S163-167.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 12-oxahexadecanolide. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S168-173.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 16-hydroxy-7-hexadecenoic acid lactone. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S149-151.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on ω-6-hexadecenolactone. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S207-211.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on ω-pentadecalactone. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S193-201.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on E- and Z-oxacyclohexadec-12(+13)-en-2-one. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S152-157.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on ethylene dodecanedioate. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S212-218.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on hexadecanolide. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S183-188.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on oxacycloheptadec-10-ene-2-one. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S189-192.
- McGinty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on oxacyclohexadecane-2,13-dione. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*. 49 Suppl 2: S202-206.
- McGregor, DB; Brown, AG; Howgate, S; McBride, D; Riach, C; Caspary, WJ. (1991). Responses of the L5178Y mouse lymphoma cell forward mutation assay: V. 27 coded chemicals. *Environ Mol Mutagen*. 17: 196-219.
- McGuire, MR; Shasha, BS. Adherent starch granules for encapsulation of insect control agents. *Journal of economic entomology*. Aug 1992. v. 85 (4): 1425-1433 ill.
- McKenna, JM; Halley, F; Souness, JE; McLay, IM; Pickett, SD; Collis, AJ; Page, K; Ahmed, I. (2002). An algorithm-directed two-component library synthesized via solid-phase methodology yielding potent and orally bioavailable p38 MAP kinase inhibitors. *J Med Chem*. 45: 2173-2184.
- McLachlan, MMW; Taylor, CM. (1998). Construction of a tau-galactosyl histidine moiety. *Tetrahedron Letters*. 39: 3055-3056.
- McLaughlin, NJ; Collins, GG. (1986). Binding characteristics of the selective alpha 2-adrenoceptor antagonist [3H]idazoxan to rat olfactory cortex membranes. *Br J Pharmacol*. 121: 91-96.
- McMaster, C; Bream, RN; Grainger, RS. (2012). Radical-mediated reduction of the dithiocarbamate group under tin-free conditions. *Organic & Biomolecular Chemistry*. 10: 4752-4758.
- Md, AB; Suzuki, Y; Sato, M. (2008). Rh-N-heterocyclic carbene (NHC) complex-catalyzed addition of phenylboronic acid to N-sulfonyl and N-phosphinoyl aldimines. *Chemical & Pharmaceutical Bulletin*. 56: 973-976.
- Me, JJ; Chen, CQ; Yan, YW; Lin, JC; Wang, Q; Zhou, HT; Chen, QX. (2009). Inactivation Kinetics of beta-N-Acetyl-D-glucosaminidase from Green Crab (*Scylla serrata*) in Dioxane Solution. *J Biomol Struct Dyn*. 26: 509-515.
- Meadows, RE; Woodward, S. (2008). Steric effects in palladium-catalysed amination of aryl triflates and nonaflates with the primary amines PhCH(R)NH(2) (R=H, Me). *Tetrahedron*. 64: 1218-1224.
- Mechelynck-David, C; Fierens, PJC. (1959). Etudes cinetiques des reactions de solvolysse de chlorures d'±-phenylethyle substitues : Equations de Hammett, Winstein-Grønwald et Tommila. *Tetrahedron*. 6: 232-252.

Environmental Hazard Literature Search Results

Off Topic

- Medina, F; Besnard, C; Lacour, J. (2014). One-step synthesis of nitrogen-containing medium-sized rings via α -imino diazo intermediates. *Org Lett.* 16: 3232-3235.
- Mehendale, HM; Curtis, LR; Thureson-Klein, AK. (1981). Ultrastructural and Biochemical Correlates of the Specificity of Chlordecone-Potentiated Carbon Tetrachloride Hepatotoxicity. *J Toxicol Environ Health.* 7: 499-517.
- Meissner, D; Einfeldt, J; Schareina, T. (1999). New results concerning the behavior of cellulose acetate in solutions and films by means of CD measurements. *Biopolymers.* 50: 163-166.
- Meisterhans, C; Linden, A; Hesse, M. (2003). Stereoselective access to gamma-nitro carboxylates, precursors for highly functionalized gamma-lactams. *Helvetica Chimica Acta.* 86: 644-656.
- Melaimi, M; Mathey, Fo; Le Floch, P. (2001). Bis(diphosphaferrocene) palladium(II) dimer complexes as efficient catalysts in the synthesis of arylboronic esters. *Journal of Organometallic Chemistry.* 640: 197-199.
- Melnik, M; Mroziński, J. (1979). Spectral and magnetic characterisation of copper(II) 2-halogenobenzoates with 1-phenyl-2,3-dimethyl-5-pyrazolone and 1,4-dioxane. *Journal of Molecular Structure.* 57: 135-140.
- Menargues, A; Obach, R; Garca-Sevilla, JA. (1990). Modulation by antidepressant drugs of CNS postsynaptic alpha 2-adrenoceptors mediating mydriasis in the rat. *Naunyn Schmiedebergs Arch Pharmacol.* 341: 101-107.
- Mendes, FR; Hamamura, M; Queiraz, DB; Porto, CS; Avellar, MC. (2004). Effects of androgen manipulation on alpha1-adrenoceptor subtypes in the rat seminal vesicle. *Life Sci.* 75: 1449-1463.
- Meng, SS; Liang, Y; Cao, KS; Zou, LF; Lin, XB; Yang, H; Houk, KN; Zheng, WH. (2014). Chiral Phosphoric Acid Catalyzed Highly Enantioselective Desymmetrization of 2-Substituted and 2,2-Disubstituted 1,3-Diols via Oxidative Cleavage of Benzylidene Acetals. *J Am Chem Soc.* 136: 12249-12252.
- Mennini, T; Poggesi, E; Cotecchia, S; De, BA; Samanin, R. (1981). Changes in serotonin, but not catecholamine, receptor binding in the brain of morphine-dependent rats. *Mol Pharmacol.* 20: 237-239.
- Merayo, N; Hermosilla, D; Cortijo, L; Blanco, n. (2014). Optimization of the Fenton treatment of 1,4-dioxane and on-line FTIR monitoring of the reaction. *J Hazard Mater.* 268: 102-109.
- Mercier, EA; Smith, CD; Parvez, M; Back, TG. (2012). Cyclic Seleninate Esters as Catalysts for the Oxidation of Sulfides to Sulfoxides, Epoxidation of Alkenes, and Conversion of Enamines to alpha-Hydroxyketones. *J Org Chem.* 77: 3508-3517.
- Merkley, N; Reid, DL; Warkentin, J. (2002). Remarkable aromatic substitution by a 1,5-diradical. *Tetrahedron Letters.* 43: 1927-1929.
- Merrett, K; Griffith, CM; Deslandes, Y; Pleizier, G; Sheardown, H. (2001). Adhesion of corneal epithelial cells to cell adhesion peptide modified pHEMA surfaces. *Journal of Biomaterials Science-Polymer Edition.* 12: 647-671.
- Mesquita, AnAL; Gottlieb, OR; De M. Pinto, MM. (1987). Xanthonolignoids from *Kielmeyera coriacea*. *Phytochemistry.* 26: 2045-2048.
- Messaoudi, S; Audisio, D; Brion, JD; Alami, M. (2007). Rapid access to 3-(N-substituted)-aminoquinolin-2(1H)-ones using palladium-catalyzed C-N bond coupling reaction. *Tetrahedron.* 63: 10202-10210.
- Meyer, MW; Lupoi, JS; Smith, EA. (2011). 1064nm dispersive multichannel Raman spectroscopy for the analysis of plant lignin. *Anal Chim Acta.* 706: 164-170.
- Meyers, Al; Campbell, AL; Abatjoglou, AG; Eliel, EL. (1979). Stereoelectronic effects on metallation of 1,3-dioxanes. *Tetrahedron Letters.* 20: 4159-4162.
- Mezaache, R; Harkat, H; Obszynski, J; Benkouider, A; Blanc, Al; Weibel, J-M; Pale, P. (2014). Copper(II) bromide as an efficient catalyst for acetal to bisarylmethyl ether interconversion. *Tetrahedron Letters.* 55: 7167-7171.
- Mi, HY; Jing, X; Salick, MR; Cordie, TM; Peng, XF; Turng, LS. (2014). Morphology, mechanical properties, and mineralization of rigid thermoplastic polyurethane/hydroxyapatite scaffolds for bone tissue applications: effects of fabrication approaches and hydroxyapatite size. *Journal of Materials Science.* 49: 2324-2337.
- Michon, T; Wang, WC; Ferrasson, E; Gueguen, J. (1999). Wheat prolamine crosslinking through dityrosine formation catalyzed by peroxidases: Improvement in the modification of a poorly accessible substrate by "indirect" catalysis. *Biotechnol Bioeng.* 63: 449-458.
- Mico, BA; Pohl, LR. (1982). Metabolism of carbon tetrachloride to electrophilic chlorine by liver microsomes: Exclusion of cytochrome P-450 catalyzed chloroperoxidase reaction. *Biochem Biophys Res Commun.* 107: 27-31.
- Middleton, P; Stockwell, WR; Carter, WPL. (1990). Aggregation and analysis of volatile organic compound emissions for regional modeling. *Atmos Environ Part A Gen Top.* 24: 1107-1134.
- Midgley, LP; Bush, LG; Gibb, JW; Hanson, GR. (1992). Characterization of phencyclidine-induced effects on neuropeptide Y systems in the rat caudate-putamen. *Brain Res.* 593: 89-96.
- Migawa, MT. (1999). Synthesis and reactivity of novel pyrrolo[2,3-d][1,2,3]triazine heterocycles and nucleosides. PhD, University of Michigan.
- Mihara, M; Ogihara, H; Kondo, T; Uchiyama, M. (1982). Lipid peroxidation and related changes in rats by oral administration of hexachlorobenzene (HCB). *Bulletin of the National Institute of Hygienic Sciences Tok.* 57: 58-61.
- Mihara, M; Uchiyama, M. (1981). Evaluation of Thiobarbituric Acid (TBA) Value as an Index of Lipid Peroxidation in CCl sub(4)-Intoxicated Rat Liver. *Yakugaku Zasshi.* 101: 221-226.
- Mihas, AA; Gibson, RG; Mihas, TA; Hirschowitz, Bl. (1981). Sensitivity of Serum Glutamic Oxaloacetic Transaminase and Bile Acid Levels for the Detection of Experimental Liver Injury in Rats. *Journal of Medicine.* 12: 237-242.
- Mikes, V; Lavernet, S; Milat, ML; Collange, E; Paris, M; Blein, JP. (1994). *Cercospora beticola* toxins. Part VI: Preliminary studies of protonation and complexation equilibria. *Biophysical Chemistry.* 52: 259-265.
- Mikheev, MI; Gorkinskaya, YP; Solovyova, TV. (1990). The body distribution and biological action of xenobiotics. *Journal of Hygiene, Epidemiology, Microbiology, and Immunology.* 34: 329-336.

Environmental Hazard Literature Search Results

Off Topic

- Miki, Y; Shirokoshi, H; Matsushita, K. (1999). Intramolecular palladium-catalyzed cyclization of methyl 1-(2-bromobenzyl)indole-2-carboxylates: Synthesis of pratosine and hippadine. *Tetrahedron Letters*. 40: 4347-4348.
- MikoÅajczyk, M; Graczyk, PP; Wiecek, MW; Bujacz, G. (1992). A solution and solid state conformation of 2-diphenylphosphinoyl-1,3-dioxanes. The nature of O-C-P anomeric interactions. *Tetrahedron*. 48: 4209-4230.
- Miles, DE. (1982). PART I. A MECHANISTIC STUDY OF THE DEDEUTERATION OF 2,2,5,5-TETRADEUTERO CYCLOPENTANONE BY 3-DIMETHYLAMINO PROPYLAMINE. PART II. A STUDY OF MULTIPLE HYDROGEN BONDING BY 1,8-BIPHENYLENEDIOL. PhD, The Ohio State University.
- Milillo, P; Burdino, E; Danni, O; Mina, S; Ugazio, G. (1982). Mechanism of Protection Against Carbon Tetrachloride Toxicity. II. Lethality in Rats Fed a Polyunsaturated Fatty Acid Deficient Diet. *Drug and Chemical Toxicology*. 5: 125-141.
- Miller, CJ; Chadha, U; Ulibarri-Sanchez, JR; Dickie, DA; Kemp, RA. (2016). Structure and Lewis-base reactivity of bicyclic low-valent germanium and tin complexes bridged by bis(diisopropylphosphino)amine. *Polyhedron*. 114: 351-359.
- Miller, JC; Lohr, LL; Sharp, RR. (2001). NMR paramagnetic relaxation enhancement: Test of the controlling influence of ZFS rhombicity for S=1. *J Magn Reson*. 148: 267-276.
- Miller, KA. (2002). Carbon-hydrogen and carbon-carbon bond activations of organic molecules by stable germynes. PhD, University of Michigan.
- Miller, RB. (1983). SYNTHESIS OF KETOMETHYLENE AND TRANS-OLEFINIC ANALOGS OF L-PROLYL - L-LEUCYLGLYCINAMIDE. PhD, University of Minnesota.
- Milstein, O; Huttermann, A; Frund, R; Ludemann, HD. Enzymatic co-polymerization of lignin with low-molecular mass compounds. *Appl Microbiol Biotechnol*. Jan 1994. v. 40 (5): 760-767.
- Milstein, O; Huttermann, A; Majcherczyk, A; Schulze, K. Transformation of lignin-related compounds with laccase in organic solvents. *J Biotechnol*. July 1993. v. 30 (1): 37-47.
- Ming, L; Tang, JL; Zhao, XM. (2014). Transition-Metal-Free Heterocyclization of 1,3-Diynes with Nitriles in the Presence of Aqueous Potassium Hydroxide: Synthesis of 2,4-Disubstituted 5- (E)-2-Phenylethenyl -1,3-oxazoles. *Synthesis-Stuttgart*. 46: 2499-2505.
- Minneman, KP; Han, C; Abel, PW. (1988). Comparison of alpha 1-adrenergic receptor subtypes distinguished by chloethylclonidine and WB 4101. *Mol Pharmacol*. 33: 509-514.
- Mirkova, ET. (1994). Activity of the rodent carcinogen 1,4-dioxane in the mouse bone marrow micronucleus assay. *Mutat Res*. 322: 142-144.
- Mirmehrabi, M; Rohani, S; Perry, L. (2006). Thermodynamic modeling of activity coefficient and prediction of solubility: part 1. Predictive models. *J Pharm Sci*. 95: 790-797.
- Miroliaei, M; Nemat-Gorgani, M. (2002). Effect of organic solvents on stability and activity of two related alcohol dehydrogenases: a comparative study. *International Journal of Biochemistry & Cell Biology*. 34: 169-175.
- Mironiuk-Puchalska, E; Kolaczowska, E; Sas, W. (2002). Synthesis of (+/-)-branched-chain azaisou nucleosides via Michael addition of 5-nitro-2,2-pentamethylene-1,3-dioxane to methyl 2-bromoacrylate. *Tetrahedron Letters*. 43: 8351-8354.
- Mishra, A; Thangamani, A; Chatterjee, S; Chipem, FAS; Krishnamoorthy, G. (2013). Photoisomerization of trans-2- 4'-(Dimethylamino)styryl benzothiazole. *Photochem Photobiol*. 89: 247-252.
- Misra, L; Mishra, P; Pandey, A; Sangwan, RS; Sangwan, NS. (2012). 1,4-Dioxane and ergosterol derivatives from *Withania somnifera* roots. *J Asian Nat Prod Res*. 14: 39-45.
- Mitchell, NA; Fleck, MW. (2007). Targeting AMPA receptor gating processes with allosteric modulators and mutations. *Biophysical Journal*. 92: 2392-2402.
- Mittag, TW; Tormay, A; Severin, C; Podos, SM. (1985). Alpha-adrenergic antagonists: correlation of the effect on intraocular pressure and on alpha 2-adrenergic receptor binding specificity in the rabbit eye. *Experimental Eye Research*. 40: 591-599.
- Miyagawa, D; Muroyama, M; Tanaka, K; Usui, H. (2016). Preparation of Phosphorescent Polymer Patterns by Spin-Coating Photoreactive Small Molecules. *Electronics and Communications in Japan*. 99: 58-64.
- Miyagawa, M; Katsuta, O; Tsuchitani, M; Yoshikawa, K. (1997). Measurement of replicative DNA synthesis (RDS) by a 5-bromo-2'-deoxyuridine (BrdU) labeling technique for detection of hepatocyte proliferation. *Journal Of Veterinary Medical Science*. 59: 45-49.
- Miyagawa, M; Shirotori, T; Tsuchitani, M; Yoshikawa, K. (1999). Repeat-assessment of 1,4-dioxane in a rat-hepatocyte replicative DNA synthesis (RDS) test: Evidence for stimulus of hepatocyte proliferation. *Exp Toxicol Pathol*. 51: 555-558.
- Miyagawa, Y; Kamitakahara, H; Takano, T. (2013). Fractionation and characterization of lignin-carbohydrate complexes (LCCs) of Eucalyptus globulus in residues left after MWL isolation. Part II: Analyses of xylan-lignin fraction (X-L). *Holzforschung*. 67: 629-642.
- Miyake, GM; Zhang, Y; Chen, EYÅ. (2015). Polymerizability of Exo- methylene- lactide toward vinyl addition and ring opening. *Journal of Polymer Science*. 53: 1523-1532.
- Miyako, Y; Zhao, YY; Takeshima, K; Kataoka, T; Handa, T; Pinal, R. (2010). Solubility of Hydrophobic Compounds in Water-Cosolvent Mixtures: Relation of Solubility With Water-Cosolvent Interactions. *J Pharm Sci*. 99: 293-302.
- Miyoshi, M; Morisaki, N; Tokiwa, Y; Kobayashi, H; Iwasaki, S; Konishi, M; Oki, T. (1991). Facile reductive rearrangement of dynemicin a to dynemicin H: the direct evidence for the p-phenylene diradical intermediate. *Tetrahedron Letters*. 32: 6007-6010.
- Mizar, P; Myrboh, B. (2008). Three-component synthesis of 5 : 6 and 6 : 6 fused pyrimidines using KF-alumina as a catalyst. *Tetrahedron Letters*. 49: 5283-5285.
- Mizuta, T; Sakaguchi, S; Ishii, Y. (2005). Catalytic reductive alkylation of secondary amine with aldehyde and silane by an iridium compound. *J Org Chem*. 70: 2195-2199.
- Mizutani, M; Matsuda, T. (2002). Photocurable liquid biodegradable copolymers: In vitro hydrolytic degradation behaviors of photocured films of coumarin-endcapped poly(epsilon-caprolactone-co-trimethylene carbonate). *Biomacromolecules*. 3: 249-255.

Environmental Hazard Literature Search Results

Off Topic

- Mo, GJ; Yue, J; Ma, PA; Huang, YB; Chen, XS; Jing, XB. (2012). An Improved Approach to Poly(Ester-Carbonate) Conjugates. *Journal of Biomaterials Science-Polymer Edition*. 23: 375-389.
- Moddy, DE; James, JL; Clawson, GA; Smuckler, EA. (1981). Correlations Among the Changes in Hepatic Microsomal Components After Intoxication With Alkyl Halides and Other Hepatotoxins. *Mol Pharmacol*. 20: 685-693.
- Moe, ST; Ragauskas, AJ. (1999). Oxygen delignification of high-yield kraft pulp part I: Structural properties of residual lignins. *Holzforschung*. 53: 416-422.
- Moe, ST; Smith, DL; By, K; Egan, JA; Filer, CN. (1998). Synthesis of 3,3-bis(3-fluorophenyl)-2,3-(3H(2)-1-propanamine hydrochloride (3)H(2)-NPS846.HCl): A novel ligand for the NMDA receptor. *Journal of Labelled Compounds & Radiopharmaceuticals*. 41: 535-543.
- Moeinzadeh, S; Barati, D; Sarvestani, SK; Karaman, O; Jabbari, E. (2013). Nanostructure formation and transition from surface to bulk degradation in polyethylene glycol gels chain-extended with short hydroxy acid segments. *Biomacromolecules*. 14: 2917-2928.
- Moeinzadeh, S; Jabbari, E. (2012). Mesoscale simulation of the effect of a lactide segment on the nanostructure of star poly(ethylene glycol-co-lactide)-acrylate macromonomers in aqueous solution. *The journal of physical chemistry B*. 116: 1536-1543.
- MohaĀ ek-GroĀjev, V; PrugoveĀ ki, B; PrugoveĀ ki, S; Strukan, N. (2013). Glycolaldehyde dimer in the stable crystal phase has axial OH groups: Raman, infrared and X-ray data analysis. *Journal of molecular structure*. 1047: 209-215.
- Mohamed, MMA; Shoukry, MM. (2002). Complex formation equilibria of palladium(II) complexes involving N,NĀ²-dimethylethylenediamine, DNA constituents and cyclobutane dicarboxylic acid. The catalysis of glycine methyl ester hydrolysis through complex formation. *Polyhedron*. 21: 167-173.
- Mohamed, SA; Darwish, AA; El-Shishtawy, RM. (2013). Immobilization of horseradish peroxidase on activated wool. *Process Biochemistry*. 48: 649-655.
- Mohammadi, M; Habibi, Z; Dezvarei, S; Yousefi, M; Ashjari, M. (2015). Selective enrichment of polyunsaturated fatty acids by hydrolysis of fish oil using immobilized and stabilized *Rhizomucor miehei* lipase preparations. *Food Bioprod Process*. 94: 414-421.
- Mohammadi, M; Habibi, Z; Dezyarei, S; Yousefi, M; Samadi, S; Ashjari, M. (2014). Improvement of the stability and selectivity of *Rhizomucor miehei* lipase immobilized on silica nanoparticles: Selective hydrolysis of fish oil using immobilized preparations. *Process Biochemistry*. 49: 1314-1323.
- Mohapatra, SC; Hsu, JT. (1999). Optimizing lipase activity, enantioselectivity, and stability with medium engineering and immobilization for beta-blocker synthesis. *Biotechnol Bioeng*. 64: 213-220.
- MolĀ anov, Ki; StoliĀĀ, I; KovaĀ eviĀĀ, G; KojiĀĀ-ProdiĀĀ, B; BajiĀĀ, M. (2011). Conformational disorder of dioxane ring in a crystal of 2,5-di(isopropylamide)-3,4-ethylenedioxythiophene. *Journal of molecular structure*. 987: 174-179.
- Molderings, GJ; Kundt, L; GĀĀ thert, M. (1994). [3H]idazoxan binding to bovine adrenal medullary membranes: identification and pharmacological characterization of 12-imidazoline sites. *Naunyn Schmiedebergs Arch Pharmacol*.
- Moldovan, O; Albert, K; Nagy, I; Morar, C; Sacalis, C; Darabantu, M. (2016). Novel N-modified glycines based on a (1S,2S)-2-amino-1-(4-nitrophenyl) propane-1,3-diol skeleton: 1,3-dioxanes and tripodands. *Tetrahedron Letters*. 57: 5808-5811.
- Moldovan, O; Lameiras, P; Nagy, I; Opruta, T; Popa, F; Antheaume, C; Ramondenc, Y; Darabantu, M. (2013). Stereochemistry of six-membered spiranes arising from the first use of a diaza-trispiro-heneicosane motif in the synthesis of a G-1 dendritic melamine. *Tetrahedron*. 69: 2199-2213.
- Moldovan, O; Nagy, I; Lameiras, P; Antheaume, C; Sacalis, C; Darabantu, M. (2015). Design, iterative synthesis and structure of novel optically active trispiro-dendritic melamines incorporating ĀĀ^o open-chainĀĀ^o versus ĀĀ^o closed-chainĀĀ^o serinolic peripheral units. *Tetrahedron: Asymmetry*. 26: 683-701.
- Molea, G; Schonauer, F; Bifulco, G; D'Angelo, D. (2000). Comparative study on biocompatibility and absorption times of three absorbable monofilament suture materials (Polydioxanone, Poliglecaprone 25, Glycomer 631). *British journal of plastic surgery*. 53: 137-141.
- Moles, FJN; BaĀĀ³n-Caballero, A; Guillena, G; NĀĀjera, C. (2014). Enantioselective aldol reactions with aqueous 2,2-dimethoxyacetaldehyde organocatalyzed by binam-prolinamides under solvent-free conditions. *Tetrahedron: Asymmetry*. 25: 1323-1330.
- Mondal, S; Ghosh, S. (2001). Gramicidin A and its complexes with Cs⁺ and Tl⁽⁺⁾ ions in organic solvents - A study by steady state and time resolved emission spectroscopy. *Journal of Photochemistry and Photobiology B-Biology*. 60: 12-24.
- Monnereau, C; Blart, E; Odobel, F. (2005). A cheap and efficient method for selective para-iodination of aniline derivatives. *Tetrahedron Letters*. 46: 5421-5423.
- Monneyron, P; Manero, MH; Foussard, JN. (2003). Measurement and modeling of single- and multi-component adsorption equilibria of VOC on high-silica zeolites. *Environmental Science & Technology*. 37: 2410-2414.
- Monties, B. (1988). Preparation of dioxane lignin fractions by acidolysis. *Methods in Enzymology* 31-35.
- Moody, DE; Clawson, GA; Woo, CH; Smickler, EA. (1982). Cellular distribution of cytochrome P-450 loss in rats of different ages treated with alkyl halides. *Toxicol Appl Pharmacol*. 66: 278-289.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2001). A novel formulation for controlled release of heparin-DOCA conjugate dispersed as nanoparticles in polyurethane film. *Biomaterials*. 22: 281-289.
- Moon, HT; Lee, YK; Han, JK; Byun, Y. (2002). Improved blood compatibility by sustained release of heparin-deoxycholic acid conjugates in a PCL-PEG multiblock copolymer matrix. *Journal of Biomaterials Science-Polymer Edition*. 13: 817-828.
- Moon, SY; Cha, NR; Kim, YH; Chang, SK. (2004). New Hg(2+)-selective chromo- and fluoroionophore based upon 8-hydroxyquinoline. *J Org Chem*. 69: 181-183.
- Moon, SY; Youn, NJ; Park, SM; Chang, SK. (2005). Diametrically disubstituted cyclam derivative having Hg(2+)-selective fluoroionophoric behaviors. *J Org Chem*. 70: 2394-2397.

Environmental Hazard Literature Search Results

Off Topic

- Morari, M; Magri, A; Bianchi, C; Boleda, MR; Dâjaj, A; Mart; iacuttÂi, I. (1991). A review of taste and odour events in Barcelona's drinking water area (1990-2004). *Boll Soc Il Sper 1Sper*. 67: 965-971.
- Moratinos, JJ; Tian, Y; Lookingland, KJ; Moore, KE. (1991). Contribution of noradrenergic neurons to 3,4-dihydroxyphenylacetic acid concentrations in the regions of the rat brain containing incertohypothalamic dopaminergic neurons. *Journal of autonomic pharmacology*. 11: 305-313.
- Moreau, JL; Kesselman, D; Fisher, JP. (2007). Synthesis and properties of cyclic acetal biomaterials. *Journal of Biomedical Materials Research Part A*. 81A: 594-602.
- Mori, T; Taniguchi, M; Suzuki, F; Doi, H; Oku, A. (1998). Ring-enlargement reaction of alkylidenecarbenes bearing a cyclic ether or acetal group. Formation of medium-sized cyclic enol ethers or dienol ethers via bicycloalkenyloxonium ylides. *Journal of the Chemical Society-Perkin Transactions 13623-3628*.
- Morita, T; Hayashi, M. (1998). 1,4-dioxane is not mutagenic in five in vitro assays and mouse peripheral blood micronucleus assay, but is in mouse liver micronucleus assay. *Environ Mol Mutagen*. 32: 269-280.
- Morris, JC. (1975). FORMATION OF HALOGENATED ORGANICS BY CHLORINATION OF WATER SUPPLIES. AVAILABLE FROM THE NATIONAL TECHNICAL INFORMATION SERVICE, SPRINGFIELD, VA 22161, AS PB-241 511, \$425 IN PAPER COPY, \$225 IN MICROFICHE ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC, REPORT EPA-600/1-75-002, MARCH 1975 54 P, 166 REF 1CA046 (PEMP), P5-01-1805-J.
- Morrone, R; Nicolosi, G; Piattelli, M. (1998). Enantiomeric separation of rac-indoprofen by a biocatalytic procedure. *Chirality*. 10: 321-324.
- Morzycski, JW; Wawer, I; Gryszkiewicz, A; Maj, J; Siergiejczyk, L; Zaworska, A. (2002). (13)C-NMR study of 4-azasteroids in solution and solid state. *Steroids*. 67: 621-626.
- Mos, J; Van, LJ; Bloetjes, K; Olivier, B. (1991). The effects of idazoxan and 8-OH-DPAT on sexual behaviour and associated ultrasonic vocalizations in the rat. *Neuroscience and biobehavioral reviews*. 15: 505-515.
- Mottram, DR. (1983). Pre-junctional alpha 2-adrenoceptor activity of B-HT920. *The Journal of pharmacy and pharmacology*. 35: 652-655.
- Mottram, DR; Kapur, H. (1975). The alpha-adrenoceptor blocking effects of a new benzodioxane. *The Journal of pharmacy and pharmacology*. 27: 295-296.
- Moughamir, K; Atmani, A; Mestdagh, H; Rolando, C; Francesch, C. (1998). Activation of tetrabutylammonium hydrogen difluoride with pyridine: A mild and efficient procedure for nucleophilic fluorination. *Tetrahedron Letters*. 39: 7305-7306.
- Mousseau, JJ; Morten, CJ; Jamison, TF. (2013). A dioxane template for highly selective epoxy alcohol cyclizations. *Chemistry (Weinheim an der Bergstrasse, Germany)*. 19: 10004-10016.
- Mphahlele, MJ. (2010). Regioselective alkynylation of 2-aryl-4-chloro-3-iodoquinolines and subsequent arylation or amination of the 2-aryl-3-(alkynyl)-4-chloroquinolines. *Tetrahedron*. 66: 8261-8266.
- Mucha, Âu; Parda, K; Staszewska-Krajewska, O; Stecko, S; Ulikowski, A; Frelek, J; SuszczyÅska, A; Chmielewski, M; Furman, Bo. (2016). Diastereoselective synthesis of β^2 -lactams via Kinugasa reaction of acyclic chiral nitrones. *Tetrahedron: Asymmetry*. 27: 12-21.
- Mueller-Herold, U; Caderas, D; Funck, P. (1997). Validity of global lifetime estimates by a simple general limiting law for the decay of organic compounds with long-range pollution potential. *Environmental Science & Technology*. 31: 3511-3515.
- Mueses, MA; Machuca-Martinez, F; Li Puma, G. (2013). Effective quantum yield and reaction rate model for evaluation of photocatalytic degradation of water contaminants in heterogeneous pilot-scale solar photoreactors. *Chem Eng J*. 215-216: 937-947.
- Muir, CK. (1983). The toxic effect of some industrial chemicals on rabbit ileum in vitro compared with eye irritancy in vivo. *Toxicol Lett*. 19: 309-312.
- Mukherjee, A; Lloret, F; Mukherjee, R. (2008). Synthesis and properties of diphenoxo-bridged Coll, Nill, Cull, and ZnII complexes of a new tripodal ligand: generation and properties of MII-coordinated phenoxyl radical species. *Inorg Chem*. 47: 4471-4480.
- Mukherjee, C; Watanabe, KT; Biehl, ER. (2012). Microwave assisted synthesis of novel imidazo 2,1-b thiazole derivative attached to quinoxalinones. *Tetrahedron Letters*. 53: 6008-6014.
- Mulski, MJ. (1993). Solvent effects on cyclodextrin chemistry. PhD, The University of Wisconsin - Madison.
- Mumma, CE; Lawless, EW. (1975). Survey of Industrial Processing Data. Task I-Hexachlorobenzene and Hexachlorobutadiene Pollution from Chlorocarbon Processing. Available from the National Technical Information Service, Springfield VA 22161 as PB-243 641, Price codes: A09 in paper copy, A01 in microfiche Report No EPA 560/3-75-003, June 1975 186 p 28 fig, 26 tab, 50 ref, 3 append EPA 68-01-2105.
- Mungikar, AM; Pawar, SS. (1997). Effect of route of administration of dioxane on hepatic mixed function oxidase enzymes in mice. *Indian journal of experimental biology*. 17: 174-176.
- Munirasu, S; Nunes, SP. (2014). Porous asymmetric SiO₂-g-PMMA nanoparticles produced by phase inversion. *Journal of Materials Science*. 49: 7399-7407.
- Murakami, N; Kawanishi, M; Itagaki, S; Horii, T; Kobayashi, M. (2001). Facile construction of 6-carbomethoxymethyl-3-methoxy-1,2-dioxane, a core structure of spongean anti-malarial peroxides. *Tetrahedron Letters*. 42: 7281-7285.
- Murakami, N; Kawanishi, M; Itagaki, S; Horii, T; Kobayashi, M. (2002). New readily accessible peroxides with high anti-malarial potency. *Bioorganic & Medicinal Chemistry Letters*. 12: 69-72.
- Murakami, N; Kawanishi, M; Itagaki, S; Horii, T; Kobayashi, M. (2004). Synthesis of a bioprobe for elucidation of target molecule of spongean anti-malarial peroxides. *Bioorganic & Medicinal Chemistry Letters*. 14: 3513-3516.
- Muraki, I; Inoue, T; Hashimoto, S; Izumi, T; Ito, K; Koyama, T. (2001). Effect of subchronic lithium treatment on citalopram-induced increases in extracellular concentrations of serotonin in the medial prefrontal cortex. *J Neurochem*. 76: 490-497.
- Muralidharan, KR; Mokhallalati, MK; Pridgen, LN. (1994). Enantioselective synthesis of β^1 -amino acetals (aldehydes) via nucleophilic 1,2-addition to chiral 1,3-oxazolidines. *Tetrahedron Letters*. 35: 7489-7492.

Environmental Hazard Literature Search Results

Off Topic

- Muratake, H; Matsumura, N; Natsume, M. (1998). Preparation of alkyl-substituted indoles in the benzene portion. Part 15. Asymmetric synthesis of (+)-duocarmycin SA using novel procedure for preparation of hydroxyindoles. *Chemical & Pharmaceutical Bulletin*. 46: 559-571.
- Murayama, Ji; Ishiwata, M; Fukui, M; Utsumi, H; Hamada, A. (1990). Comparative acute cytotoxicities of 37 xenobiotics detected in drinking water to rat hepatocyte primary culture. *Eisei Kagaku*. 36: 267-276.
- Muroga, Y; Hayashi, K; Fukunaga, M; Kato, T; Shimizu, S; Kurita, K. (2006). Change of the persistence lengths in the conformational transitions of pullulan- and amylose-tricarbanilates. *Biophysical Chemistry*. 121: 96-104.
- Murphy, A; O Fagain, C. (1998). Chemically stabilized trypsin used in dipeptide synthesis. *Biotechnol Bioeng*. 58: 366-373.
- Murphy, TV; Majewski, H. (1989). Modulation of noradrenaline release in slices of rat kidney cortex through alpha 1- and alpha 2-adrenoceptors. *Eur J Pharmacol*. 169: 285-295.
- Musau, RM; Munavu, RM. (1990). The conversion of 2-furaldehyde into some potentially useful bifunctional derivatives. *Biomass*. 23: 275-287.
- Muschol, M; Dasgupta, BR; Salzberg, BM. (1999). Caffeine interaction with fluorescent calcium indicator dyes. *Biophysical Journal*. 77: 577-586.
- Musgrave, IF; Majewski, H. (1989). Effect of phorbol esters and polymyxin B on modulation of noradrenaline release in mouse atria. *Naunyn Schmiedebergs Arch Pharmacol*. 339: 48-53.
- Musialik, M; Kuzmicz, R; Pawlowski, TS; Litwinienko, G. (2009). Acidity of Hydroxyl Groups: An Overlooked Influence on Antiradical Properties of Flavonoids. *J Org Chem*. 74: 2699-2709.
- Muslukhov, RR; Shayakhmetova, AK; Shakhanova, OO; Yakovleva, MP; Ishmurov, GY; Tolstikov, AG. (2009). Prilezhaev dihydroxylation of (R)-octadec-9Z-en-7-Ol. *Chemistry of Natural Compounds*. 45: 637-640.
- Musto, Hc; RodrÃ-guez-Maseda, H; Bernardi, G. (1994). The nuclear genomes of African and American trypanosomes are strikingly different. *Gene*. 141: 63-69.
- Muszkat, L; Lahav, D; Ronen, D; Magaritz, M. (1993). Penetration of pesticides and industrial organics deep into soil and into groundwater. *Arch Insect Biochem Physiol*. 22: 487-499.
- Mwangi, IW; Ngila, JC; Ndungu, P. (2012). A new spectrophotometric method for determination of residual polydiallyldimethylammonium chloride flocculant in treated water based on a diazotization-coupled ion pair. *Water SA*. 38: 707-714.
- Mylisiwa-Kurziel, B; Kruk, J; Strzalka, K. (2004). Fluorescence lifetimes and spectral properties of protochlorophyllide in organic solvents in relation to the respective parameters in vivo. *Photochem Photobiol*. 79: 62-67.
- Mysliwa-Kurziel, B; Solymosi, K; Kruk, J; Boddi, B; Strzalka, K. (2008). Solvent effects on fluorescence properties of protochlorophyll and its derivatives with various porphyrin side chains. *European Biophysics Journal with Biophysics Letters*. 37: 1185-1193.
- NÃ¼th, H; Schuchardt, U. (1970). [Tris(methylthio)boran]chrom(0)-tricarbonyl. *Journal of Organometallic Chemistry*. 24: 435-440.
- Nabati, F; Habibi-Rezaei, M; Amanlou, M; Moosavi-Movahedi, AA. (2011). Dioxane enhanced immobilization of urease on alkyl modified nanoporous silica using reversible denaturation approach. *Journal of molecular catalysis*. 70: 17-22.
- Nadji, H; Diouf, PN; Benaboura, A; Bedard, Y; Riedl, B; Stevanovic, T. (2009). Comparative study of lignins isolated from Alfa grass (*Stipa tenacissima* L.). *Bioresour Technol*. 100: 3585-3592.
- Nag, S; Mokha, SS. (2004). Estrogen attenuates antinociception produced by stimulation of KÃ¶lliker-Fuse nucleus in the rat. *The European journal of neuroscience*. 20: 3203-3207.
- Nagahama, K; Saito, T; Ouchi, T; Ohya, Y. (2011). Biodegradable Nano-aggregates of Star-Shaped 8-arm PEG-PLLA Block Co-polymers for Encapsulation of Water-Soluble Macromolecules. *Journal of biomaterials science Polymer edition*. 22: 407-416.
- Nagamatsu, T; Yamasaki, H. (2001). General syntheses of 1-alkyltoxoflavin and 8-alkylfervenuin derivatives of biological significance by the regioselective alkylation of reumycin derivatives and the rates of transalkylation from 1-alkyltoxoflavins into nucleophiles. *Journal of the Chemical Society-Perkin Transactions* 1130-137.
- Nagaraja, D; Melavanki, RM; Patil, NR; Kusanur, RA. (2014). Solvent effect on the relative quantum yield and fluorescence quenching of 2DAM. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 130: 122-128.
- Nagase, R; Iida, Y; Sugi, M; Misaki, T; Tanabe, Y. (2008). Improved Robust Method for Preparing Optically Active 3-Alkyl-3-phenyl-1,4-dioxane-2,5-diones; A Promising New Chiral Template. *Synthesis-Stuttgart* 3670-3674.
- Nagashima, M; Hattori, Y; Tohse, N; Kanno, M. (1997). Alpha 1-adrenoceptor subtype involved in the positive and negative inotropic responses to phenylephrine in rat papillary muscle. *General pharmacology*. 28: 721-725.
- Nagpal, A; Chandra, V; Kaur, P; Singh, TP. (1999). Purification, crystallization and preliminary crystallographic analysis of a natural complex of phospholipase A(2) from *Echis carinatus* (saw-scaled viper). *Acta Crystallographica Section D-Biological Crystallography*. 55: 1240-1241.
- Naidu, BVK; Sairam, M; Raju, KVS; Adminabhavi, TM. (2005). Thermal, viscoelastic, solution and membrane properties of sodium alginate/hydroxyethylcellulose blends. *Carbohydr Polymer*. 61: 52-60.
- Naik, KBK; Raju, S; Kumar, BA; Rao, GN. (2012). Chemical speciation of binary complexes of Pb(II), Cd(II) and Hg(II) with L-glutamic acid in dioxan-water mixtures. *Chem Speciation Bioavailability*. 24: 241-247.
- Nair, R; Shah, A; Baluja, S; Chanda, SV. (2002). Synthesis and study of antibacterial activity of some Schiff bases derived from sulfonamide, 4-amino antipyrine and raceacetophenone. *Medicinal Chemistry Research*. 11: 463-479.
- Najda, E; Zakaszewska, A; Janikowska, K; Makowiec, S. (2016). Practical Method for the Preparation of 2,2-Dimethyl-5-{aryl (hetero)aryl methyl}-1,3-dioxane-4,6-diones: Synthesis and Mechanistic Study. *Synthesis-Stuttgart*. 48: 3589-3596.
- Naka, A; Fujishima, K; Okada, E; Noguchi, M; Ohshita, J; Adachi, Y; Ooyama, Y; Ishikawa, M. (2016). Synthesis of pentamethyldisilanyl-substituted starlike molecule with triazine core and its application to dye-sensitized solar cells. *Journal of Organometallic Chemistry*. 825-826: 63-68.

Environmental Hazard Literature Search Results

Off Topic

- Naka, A; Fukuda, R; Jahana, Y; Ohshita, J; Kobayashi, H; Ishikawa, M. (2013). Synthesis and optical properties of H-shaped silicon-containing molecule with bithiophene units. *Journal of Organometallic Chemistry*. 741-742: 67-71.
- Nakagawa, H; Takagi, S; Maekawa, J. (2016). Fered-Fenton process for the degradation of 1,4-dioxane with an activated carbon electrode: A kinetic model including active radicals. *Chem Eng J*. 296: 398-405.
- Nakamura, C; Inuyama, Y; Goto, H; Obataya, I; Kaneko, N; Nakamura, N; Santo, N; Miyake, J. (2005). Dioxin-binding pentapeptide for use in a high-sensitivity on-bead detection assay. *Anal Chem*. 77: 7750-7757.
- Nakamura, I; Sato, Y; Terada, M. (2009). Platinum-Catalyzed Dehydroalkoxylation-Cyclization Cascade via N-O Bond Cleavage. *J Am Chem Soc*. 131: 4198-+.
- Nakamura, T; Asai, S; Nakata, K; Kunimoto, K; Oguri, M; Ishikawa, K. (2015). Thermostability and reactivity in organic solvent of O-phospho-L-serine sulfhydrylase from hyperthermophilic archaeon *Aeropyrum pernix* K1. *Bioscience Biotechnology and Biochemistry*. 79: 1280-1286.
- Nakasako, M; Odaka, M; Yohda, M; Dohmae, N; Takio, K; Kamiya, N; Endo, I. (1999). Tertiary and quaternary structures of photoreactive Fe-type nitrile hydratase from *Rhodococcus* sp N-771: Roles of hydration water molecules in stabilizing the structures and the structural origin of the substrate specificity of the enzyme. *Biochemistry*. 38: 9887-9898.
- Nakatani, K; Ouchi, M; Sawamoto, M. (2009). Antithetic function of alcohol in living cationic polymerization: From terminator/inhibitor to useful initiator. *Journal of polymer science*. 47: 4194-4201.
- Namikoshi, T; Hashimoto, T; Urushisaki, M. (2007). Living cationic polymerization of vinyl ether with a cyclic acetal group. *Journal of polymer science*. 45: 4855-4866.
- Namkung, KC; Aris, A; Sharratt, PN. (2004). Characterization of effects of selected organic substances on decomposition of hydrogen peroxide during Fenton reaction. *Water Science and Technology*. 49: 129-134.
- Nandan, B. (2010). Microphase separation in thin films of supramolecular assemblies composed of a triblock copolymer and low-molecular-weight additive. *Journal of polymer science*. 48: 1594-1605.
- Nannelli, A; De Rubertis, A; Longo, V; Gervasi, P. (2005). Effects of dioxane on cytochrome P450 enzymes in liver, kidney, lung and nasal mucosa of rat. *Arch Toxicol*. 79: 74-82.
- Narayanan, K; Cook, JM. (1990). Carboxyl-mediated pictet-spengler reaction. Direct synthesis of 1,2,3,4-tetrahydro β^2 -carbolines from tryptamine-2-carboxylic acids. *Tetrahedron Letters*. 31: 3397-3400.
- Narula, APS; Dev, S. (1977). Studies in sesquiterpenesâ€”LI : β^2 -Himachalene epoxideâ€”stereochemistry and solvolysis. *Tetrahedron*. 33: 813-816.
- Nashed, NT; Balani, SK; Loncharich, RJ; Sayer, JM; Shipley, DY; Mohan, RS; Whalen, DL; Jerina, DM. (1991). Solvolysis of K-region arene oxides: Substituent effects on reactions of benz(a)anthracene 5,6-oxide. *J Am Chem Soc*. 113: 3910-3919.
- Natarajan, P; Manjeet; Kumar, N; Devi, S; Mer, K. Visible-light assisted one-pot preparation of aryl glyoxals from acetoarylonen via in-situ arylacyl bromides formation: Selenium-free approach to acetoarylonen oxidation. *Tetrahedron Letters*.
- National, TP. (1978). Bioassay of 1,4-dioxane for possible carcinogenicity. National Cancer Institute carcinogenesis technical report series. 80: 1-123.
- Natori, T; Konoeda, Y; Hayashi, T; Tamaki, T; Kawamura, A; Katoh, H; Hioki, K; Nomura, T; Kunz, HW; Gill, TJ, 3rd. (1999). Rapid induction of malignant tumors by chemical carcinogens in rats carrying the Grc. *Transplantation proceedings*. 31: 1621.
- Nayar, S; Brahma, A; Mukherjee, C; Bhattacharyya, D. (2002). Second derivative fluorescence spectra of indole compounds. *J Biochem*. 131: 427-435.
- Nazari, S; Ghandi, K. (2015). GREEN METHODS FOR OXIDATION OF AN AROMATIC DIKETONE TO AN AROMATIC ANHYDRIDE: OXIDATION OF ACEANTHRAQUINONE. *Fresen Environ Bull*. 24: 1350-1355.
- Negi, S. (1996). Part 1. 5-substituted hydantoinen by new preparative methods. Part 2. Synthesis and chemistry of unsaturated hydantoinen. PhD, The Ohio State University.
- Nematollahi, D; Bamzadeh, M; Shayani-Jam, H. (2010). Electrochemical oxidation of catechol in the presence of phenyl-Meldrum's acid. Synthesis and kinetic evaluation. *Chemical & pharmaceutical bulletin*. 58: 23-26.
- Nemkovich, NA; Baumann, W; Kruchenok, YV; Kurilo, GI; Pivovarenko, VG; Rubinov, AN. (2011). Molecular Stark effect spectroscopy of diflavanol and inhomogeneous broadening of its electronic spectra in erythrocyte membranes. *Optics and Spectroscopy*. 110: 541-549.
- Nemkovich, NA; Baumann, W; Reis, H; Zvinevich, YV; Rubinov, AN. (1999). Dipole moments of laser coumarin in the ground and excited electronic states. *Optics and Spectroscopy*. 87: 735-741.
- Nery, EW; Jastrzebska, E; Zukowski, K; Wroblewski, W; Chudy, M; Ciosek, P. (2014). Flow-through sensor array applied to cytotoxicity assessment in cell cultures for drug-testing purposes. *Biosensors & Bioelectronics*. 51: 55-61.
- Neto, CP; Seca, A; Nunes, AM; Coimbra, MA; Domingues, F; Evtuguin, D; Silvestre, A; Cavaleiro, JAS. (1997). Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity stages of *Arundo donax*. *Ind Crop Prod*. 6: 51-58.
- New, JS; Christopher, WL; Yevich, JP; Butler, R; Schlemmer, RF, Jr.; VanderMaelen, CP; Cipollina, JA. (1989). The thieno[3,2-c]pyridine and furo[3,2-c]pyridine rings: new pharmacophores with potential antipsychotic activity. *J Med Chem*. 32: 1147-1156.
- New, JS; Yevich, JP; Temple, DL, Jr.; New, KB; Gross, SM; Schlemmer, RF, Jr.; Eison, MS; Taylor, DP; Riblet, LA. (1988). Atypical antipsychotic agents: patterns of activity in a series of 3-substituted 2-pyridinyl-1-piperazine derivatives. *J Med Chem*. 31: 618-624.
- Nguyen, LD; Nakatani, K; Journet, B. (2010). Refractive Index Measurement by Using an Optoelectronic Oscillator. *Ieee Photonics Technology Letters*. 22: 857-859.

Environmental Hazard Literature Search Results

Off Topic

- Nguyen, TPN; Yun, E-T; Kim, I-C; Kwon, Y-N. (2013). Preparation of cellulose triacetate/cellulose acetate (CTA/CA)-based membranes for forward osmosis. *J Memb Sci.* 433: 49-59.
- Nguyen, V-H; Nishino, H; Kurosawa, K. (1996). Convenient synthesis of 3-cyano-4,5-dihydrofurans and 4-cyano-1,2-dioxan-3-ols using acylacetone nitrile building block. *Tetrahedron Letters.* 37: 4949-4952.
- Ni, B; Huang, MJ; Chen, ZR; Chen, YC; Hsu, CH; Li, YW; Pochan, D; Zhang, WB; Cheng, SZD; Dong, XH. (2015). Pathway toward Large Two-Dimensional Hexagonally Patterned Colloidal Nanosheets in Solution. *J Am Chem Soc.* 137: 1392-1395.
- Ni, YH; Ooi, T. Laboratory study on bleaching softwood kraft pulp by a totally chlorinefree process including the novel ozone bleaching. *Tappi Journal.* Oct 1996. v. 79 (10): 167-172.
- Niamke, S; Guionie, O; Guevel-David, L; Moallic, C; Dabonne, S; Sine, JP; Colas, B. (2003). Physico-chemical and immunological properties and partial amino acid sequencing of a new metalloprotease: endoprotease Thr-N. *Biochimica Et Biophysica Acta-General Subjects.* 1623: 21-28.
- Nicholas, GM; Blunt, JW; Cole, ALJ; Munroe, MHG. (1997). Investigation of the New Zealand Basidiomycete *Favolaschia calocera*: Revision of the structures of 9-methoxystrobilurins K and L, strobilurin D, and hydroxystrobilurin D. *Tetrahedron letters.* 38: 7465-7468.
- Nierengarten, JF; Harri, HA; Ziessel, R; Roquebert, J; Moran, A; Demichel, P. (2012). Effect of quinpirole on neurogenic vasoconstriction in the in situ autoperfused hindquarters and renal vascular beds of the rat. *J Am Chem Soc.* 134: 988-989:988-998.
- Nigg, HN; Stamper, JH. (1981). Comparative disappearance of dioxathion, malathion, oxydemetonmethyl and dialifor from Florida citrus leaf and fruit surfaces. *Archives of environmental contamination and toxicology.* 10: 497-504.
- Nishii, Y; Higa, T; Takahashi, S; Nakata, T. (2009). First total synthesis of theopederin B. *Tetrahedron Letters.* 50: 3597-3601.
- Nishikawa, H; Sato, Y; Kikuchi, K; Kodama, T; Ikemoto, I; Yamada, J; Oshio, H; Kondo, R; Kagoshima, S. (2005). Charge ordering and pressure-induced superconductivity in beta''-(DODHT)(2)PF(6). *Physical Review B.* 7205: 2510-2510.
- Nishimura, N; Banno, M; Maki, A; Nishiyama, Y; Maeba, I. (1998). Synthesis of 3-beta-D-ribofuranosylpyrazole-1-carboxamide. *Carbohydr Res.* 307: 211-215.
- Nishimura, N; Kato, A; Maeba, I. (2001). Synthesis of pyrrolo 2,1-f 1,2,4 triazine C-nucleosides. Isosteres of sangivamycin, tubercidin, and toyocamycin. *Carbohydr Res.* 331: 77-82.
- Nishino, H. (2006). Manganese(III)-based peroxyclation of alkenes to heterocycles. *Bioactive Heterocycles I.* 6: 39-76.
- Nishino, T; Ohno, M; Sasaki, Y; Isobe, K; Kanegae, H; Murakami, O; Suzuki, N; Nakasugi, O. (2008). Behavior of 1,4-dioxane in the River in Tokyo. *Journal of Environmental Chemistry.* 18: 333-340.
- Niu, XF; Feng, QL; Wang, MB; Guo, XD; Zheng, QX. (2009). Porous nano-HA/collagen/PLLA scaffold containing chitosan microspheres for controlled delivery of synthetic peptide derived from BMP-2. *J Control Release.* 134: 111-117.
- Niwa, A; Kumaki, K; Nebert, DW; Poland, AP. (1975). Genetic expression of aryl hydrocarbon hydroxylase activity in the mouse. Distinction between the "responsive" homozygote and heterozygote at the Ah locus. *Archives of biochemistry and biophysics.* 166: 559-564.
- Noguchi, T; Fong, KL; Lai, EK; Alexander, SS; King, MM; Olson, L; Poyer, JL; McCay, PB. (1982). Specificity of a Phenobarbital-Induced Cytochrome P-450 for Metabolism of Carbon Tetrachloride to the Trichloromethyl Radical. *Biochem Pharmacol.* 31: 615-624.
- Noguchi, T; Fong, KL; Lai, EK; Olson, L; McCay, PB. (1982). Selective Early Loss of Polypeptides in Liver Microsomes of CCl sub(4)-Treated Rats: Relationship to Cytochrome P-450 Content. *Biochem Pharmacol.* 31: 609-614.
- Nohra, B; Candy, L; Blanco, JF; Raoul, Y; Mouloungui, Z. (2013). Synthesis of five and six-membered cyclic glycerilic carbonates bearing exocyclic urethane functions. *European Journal of Lipid Science and Technology.* 115: 111-122.
- Nolan, JP; Leibowitz, AI; Vladutiu, AO. (1980). Influence of Carbon Tetrachloride on Circulating Endotoxin After Exogenous Administration of Endotoxin in Rats. *Proceedings of the Society for Experimental Biology and Medicine.* 165: 453-456.
- Nomura, T; Kondo, H; Hasegawa, S; Watanabe, T; Yokoyama, R; Ukai, K; Tachibana, M; Sumi-Ichinose, C; Nomura, H; Hagino, Y. (1993). Alpha 1B-adrenoceptor-mediated stimulation of Ca²⁺ mobilization and cAMP accumulation in isolated rat hepatocytes. *Eur J Pharmacol.* 246: 113-120.
- Noonan, NE. (1981). Variations of Plasma Enzymes in the Pony and the Dog After Carbon Tetrachloride Administration. *American Journal of Veterinary Research.* 42: 674-678.
- Nordmann, J; Muller, TJJ. (2014). Anilines as Substrates in Consecutive Four-Component Synthesis of Novel 1-Aryl-5-benzoyl-6-phenyl-3,4-dihydropyridin-2(1H)-ones. *Synthesis-Stuttgart.* 46: 522-530.
- Nordstrom, FL; Rasmuson, AC. (2009). Prediction of solubility curves and melting properties of organic and pharmaceutical compounds. *Eur J Pharm Sci.* 36: 330-344.
- Noritomi, H; Almarsson, O; Barletta, GL; Klivanov, AM. (1996). The influence of the mode of enzyme preparation on enzymatic enantioselectivity in organic solvents and its temperature dependence. *Biotechnol Bioeng.* 51: 95-99.
- North, RA; Yoshimura, M. (1984). The actions of noradrenaline on neurones of the rat substantia gelatinosa in vitro. *The Journal of physiology.* 349: 43-55.
- Nouguier, R. (1982). Acid catalysed reactions between diols and vinyl-ethers in basic solvents towards a selective protection of polyols by 2,3-dihydro-4H-pyran. *Tetrahedron Letters.* 23: 2951-2952.
- Nouwen, J; Lindgren, F; Hansen, B; Karcher, W; Verhaar, HJM; Hermens, JLM. (1997). Classification of environmentally occurring chemicals using structural fragments and PLS discriminant analysis. *Environmental Science & Technology.* 31: 2313-2318.
- Novikov, MA; Volchkov, NV; Lipkind, MB; Nefedov, OM. (2015). Copper(I)-catalyzed solvolysis of gem-chlorofluoro- and gem-bromofluorocyclopropanes. Preparation of 2-fluoroallylic ethers, esters and alcohols. *Journal of Fluorine Chemistry.* 180: 131-143.
- Nowak, GA. (1987). General trends in the development of cosmetics. *PERFUEM KOSMET.* 68: 344-354.

Environmental Hazard Literature Search Results

Off Topic

- Nowak, M; Malinowski, Z; Fornal, E; Jozwiak, A; Parfieniuk, E; Gajek, G; Kontek, R. (2015). Substituted benzoquinazolinones. Part 2: Synthesis of amino-, and sulfanyl-derivatives of benzo f - and benzo h quinazolinones. *Tetrahedron*. 71: 9463-9473.
- Nowak, M; Malinowski, Z; Jozwiak, A; Fornal, E; Blaszczyk, A; Kontek, R. (2014). Substituted benzoquinazolinones. Part 1: Synthesis of 6-aminobenzo h quinazolinones via Buchwald-Hartwig amination from 6-bromobenzo h quinazolinones. *Tetrahedron*. 70: 5153-5160.
- Nukada, T; Berces, A; Whitfield, DM. (2002). Can the stereochemical outcome of glycosylation reactions be controlled by the conformational preferences of the glycosyl donor? *Carbohydr Res*. 337: 765-774.
- Numata, M; Mitsuboshi, Y; Nitta, K. (1980). A cytotoxicity assay using 3H-uridine and emulsions scintillator. *Gan*. 71: 715-720.
- Numazawa, M; Yamada, K; Watari, Y; Ando, M. (2002). Improved synthesis and molecular modeling of 4 beta,19-dihydroxyandrost-5-en-17-one, an excellent inhibitor of aromatase. *Chemical & Pharmaceutical Bulletin*. 50: 703-705.
- Nunes, N; Reis, M; Moreira, Ls; Elvas-Leitão, R; Martins, F. (2013). Solution enthalpies of 1,4-dioxane: Study of solvent effects through quantitative structure-property relationships. *Thermochimica acta*. 574: 85-87.
- Nunes, SP; Karunakaran, M; Pradeep, N; Behzad, AR; Hooghan, B; Sougrat, R; He, H; Peinemann, KV. (2011). From micelle supramolecular assemblies in selective solvents to isoporous membranes. *Langmuir : the ACS journal of surfaces and colloids*. 27: 10184-10190.
- Nunez, MJ; Kennedy, ML; Jimenez, IA; Bazzocchi, IL. (2011). Uragogin and blepharodin, unprecedented hetero-Diels-Alder adducts from Celastraceae species. *Tetrahedron*. 67: 3030-3033.
- Oberda, K; Deperasińska, I; Nizhnik, YP; Szemik-Hojniak, A. (2013). A novel complex of zinc tetraphenylporphyrin with two dioxane molecules in a rare attachment. Crystal structure, spectroscopy and theoretical calculations. *Polyhedron*. 51: 61-69.
- O'Brien, AM; O'Fagain, C. (2000). Dye bleaching and phenol precipitation by phthalic anhydride-modified horseradish peroxidase. *J Chem Tech Biotechnol*. 75: 363-368.
- O'Brien, M. Roundup, vision, POEA, and 1,4-dioxane: why full formulations are the problem. *Journal of pesticide reform : a publication of the Northwest Coalition for Alternatives to Pesticides*. Winter 1990. v. 9 (4): 14-15.
- Ochiai, B; Hatano, Y; Endo, T. (2009). Facile synthesis of polymers bearing cyclic carbonate structure through radical solution and precipitation polymerizations accompanied by concurrent carbon dioxide fixation. *Journal of polymer science*. 47: 3170-3176.
- Ochiai, M; Fujita, E; Arimoto, M; Yamaguchi, H. (1983). Oxidation of 2-substituted allylsilane to conjugated enal using hypervalent organoiodine compound and synthesis of α -methylene- β - and γ -lactones. *Tetrahedron Letters*. 24: 777-780.
- Ochiai, T; Franz, D; Wu, XN; Irran, E; Inoue, S. (2016). A Tin Analogue of Carbenoid: Isolation and Reactivity of a Lithium Bis(imidazolin-2-imino)stannylene. *Angewandte Chemie-International Edition*. 55: 6983-6987.
- Ochsner, AB. (1985). SOLUBILITY PREDICTION IN NONIDEAL LIQUID MIXTURES (UNIFAC, HEXYLRESORCINOL). PhD, The Ohio State University.
- Oda, Y; Kanaoka, S; Aoshima, S. (2010). Synthesis of dual pH/temperature-responsive polymers with amino groups by living cationic polymerization. *Journal of polymer science*. 48: 1207-1213.
- O'Donnell, KP; Cai, Z; Schmerler, P; Williams, RO. (2013). Atmospheric freeze drying for the reduction of powder electrostatics of amorphous, low density, high surface area pharmaceutical powders. *Drug Dev Ind Pharm*. 39: 205-217.
- Oehme, Gn; Räßler, K-c; Pracejus, H. (1976). Darstellung und charakterisierung von palladium-bis(cyanmethanid), Pd(CH₂CN)₂, und einigen phosphin- und amin-komplexen vom typ L₂Pd(CH₂CN)₂. *Journal of Organometallic Chemistry*. 105: 127-138.
- Oettmeier, W; Jager, J; Masson, K. (2006). Inhibition of photosystem II electron transport by acyl derivatives of 2,2-dimethyl-1,3-dioxane-4,6-dione (Meldrum's acid). *Biochimica Et Biophysica Acta-Bioenergetics*. 1757: 727-729.
- Ogata, Y; Kosugi, Y; Nate, K. (1971). Kinetics of the autoxidation of anthranol to anthraquinone in buffered aqueous dioxan. *Tetrahedron*. 27: 2705-2711.
- Ogata, Y; Sawaki, Y. (1965). Kinetics of the acid-catalysed formation of aliphatic peracids from hydrogen peroxide and aliphatic acids in dioxan. *Tetrahedron*. 21: 3381-3386.
- Ogata, Y; Tezuka, H; Kamei, T. (1969). Kinetics of the nitric acid oxidation of substituted diphenylmethanes. *Tetrahedron*. 25: 4919-4922.
- Ogata, Y; Tezuka, H; Sawaki, Y. (1967). Kinetics of the nitric acid oxidation of benzaldehydes to benzoic acid. *Tetrahedron*. 23: 1007-1014.
- Ogawa, N; Taguchi, H; Honda, Y; Sato, T. (1998). Preparation and hydrolysis of poly(2-benzoyloxyethyl vinyl ether) with a narrow molecular weight distribution. *Chemical & Pharmaceutical Bulletin*. 46: 555-558.
- Oh, E; Wurster, DE; Majuru, S; Wang, JCT. (1998). Use of Fourier transform infrared (FTIR) spectroscopy to follow the adsorption of heptane and 1,4-dioxane vapors on a zinc oxide surface. *J Pharm Sci*. 87: 1124-1129.
- Oh, E-C. (1996). Characterization of the zinc oxide surface: Changes in surface area upon high-temperature drying and adsorption of various adsorbates. PhD, The University of Iowa.
- Oh, SY; Bae, YC. (2013). Molecular thermodynamic analysis for reentrant and reentrant-convex type swelling behaviors of thermo-sensitive hydrogels in mixed solvents. *Polymer*. 54: 2308-2314.
- Ohmura, T; Muramatsu, I. (1995). Two distinct alpha 1-adrenoceptor subtypes in rabbit liver: a binding study. *Br J Pharmacol*. 116: 2591-2596.
- Ohno, H; Anzai, M; Toda, A; Ohishi, S; Fujii, N; Tanaka, T; Takemoto, Y; Ibuka, T. (2001). Stereoselective synthesis of 2-alkenylaziridines and 2-alkenylazetidines by palladium-catalyzed intramolecular amination of alpha- and beta-amino allenes. *J Org Chem*. 66: 4904-4914.
- Ohno, H; Mizutani, T; Kadoh, Y; Aso, A; Miyamura, K; Fujii, N; Tanaka, T. (2007). A highly regio- and stereoselective formation of bicyclo 4.2.0 oct-5-ene derivatives through thermal intramolecular 2+2 cycloaddition of allenes. *J Org Chem*. 72: 4378-4389.
- Ohno, H; Takemoto, Y; Fujii, N; Tanaka, T; Ibuka, T. (2004). Stereodivergent synthesis of chiral 2-alkenylaziridines: Palladium(0)-catalyzed 2,3-cis-selective aziridination and base-mediated 2,3-trans-selective aziridination. *Chemical & Pharmaceutical Bulletin*. 52: 111-119.
- Ohno, H; Takeoka, Y; Kadoh, Y; Miyamura, K; Tanaka, T. (2004). Palladium(0)-catalyzed stereoselective cyclization of allenenes: Divergent synthesis of pyrrolidines and 3-azabicyclo 3.1.0 hexanes from single allenenes. *J Org Chem*. 69: 4541-4544.

Environmental Hazard Literature Search Results

Off Topic

- Ohno, H; Toda, A; Fujii, N; Miwa, Y; Taga, T; Yamaoka, Y; Osawa, E; Ibuka, T. (1999). Sterically congested chiral activated aziridines: Synthesis of both 2,3-cis- and 2,3-trans-2-alkenyl-3-alkylaziridines from common intermediates. *Tetrahedron Letters*. 40: 1331-1334.
- Ohtake, H; Li, XL; Shiro, M; Ikegami, S. (2000). A highly efficient and shortcut synthesis of cyclitol derivatives via spiro sugar ortho esters. *Tetrahedron*. 56: 7109-7122.
- Oida, S; Tajima, Y; Konosu, T; Nakamura, Y; Somada, A; Tanaka, T; Habuki, S; Harasaki, T; Kamai, Y; Fukuoka, T; Ohya, S; Yasuda, H. (2000). Synthesis and antifungal activities of R-102557 and related dioxane-triazole derivatives. *Chemical & Pharmaceutical Bulletin*. 48: 694-707.
- Oishi, S; Tamamura, H; Yamashita, M; Odagaki, Y; Hamanaka, N; Otaka, A; Fujii, N. (2001). Stereoselective synthesis of a set of two functionalized (E)-alkene dipeptide isosteres of L-amino acid-L-Glu and L-amino acid-D-Glu. *Journal of the Chemical Society-Perkin Transactions 12445-2451*.
- Oja, T; Galindo, PS; Taguchi, T; Manner, S; Vuorela, PM; Ichinose, K; Metsa-Ketela, M; Fallarero, A. (2015). Effective Antibiofilm Polyketides against *Staphylococcus aureus* from the Pyranonaphthoquinone Biosynthetic Pathways of *Streptomyces* Species. *Antimicrob Agents Chemother*. 59: 6046-6052.
- Oja, T; Klika, KD; Appassamy, L; Sinkkonen, J; Mantsala, P; Niemi, J; Metsa-Ketela, M. (2012). Biosynthetic pathway toward carbohydrate-like moieties of alnumycins contains unusual steps for C-C bond formation and cleavage. *Proceedings of the National Academy of Sciences of the United States of America*. 109: 6024-6029.
- Oja, T; Niirani, L; Sandalova, T; Klika, KD; Niemi, J; Mantsala, P; Schneider, G; Metsa-Ketela, M. (2013). Structural basis for C-ribosylation in the alnumycin A biosynthetic pathway. *Proceedings of the National Academy of Sciences of the United States of America*. 110: 1291-1296.
- Oja, T; Palmu, K; Lehmissola, H; Lepparanta, O; Hannikainen, K; Niemi, J; Mantsala, P; Metsa-Ketela, M. (2008). Characterization of the Alnumycin Gene Cluster Reveals Unusual Gene Products for Pyran Ring Formation and Dioxan Biosynthesis. *Chemistry & Biology*. 15: 1046-1057.
- Oja, T; TÄÄhtinen, P; Dreijack, N; MÄÄntsÄÄlÄÄ, P; Niemi, J; MetsÄÄ-KetelÄÄ, M; Klika, KD. (2012). Alnumycins A2 and A3: new inverse-epimeric pairs stereoisomeric to alnumycin A1. *Tetrahedron: Asymmetry*. 23: 670-682.
- Okabayashi, H; Ishida, M; Tamaoki, H; Masuda, H; O'Connor, CJ. (2002). Fourier transform IR study of aggregational behavior of N-acetyl-L- and N-butyloxycarbonyl-L-glutamic acid oligomeric benzyl esters in dioxane and benzene: beta-turn -> antiparallel beta-sheet transition. *Biopolymers*. 65: 129-141.
- Okada, Y; Shintomi, N; Kondo, Y; Yokoi, T; Joshi, S; Li, W. (1997). Amino acids and peptides .51. Application of the 2-adamantylloxycarbonyl (2-Adoc) group to the protection of the hydroxyl function of tyrosine in peptide synthesis. *Chemical & Pharmaceutical Bulletin*. 45: 1860-1864.
- Okaji, R; Sakashita, S; Tazumi, K; Taki, K; Nagamine, S; Ohshima, M. (2013). Interconnected pores on the walls of a polymeric honeycomb monolith structure created by the unidirectional freezing of a binary polymer solution. *Journal of Materials Science*. 48: 2038-2045.
- Okamoto, K; Tanaka, M; Kozawa, T; Tagawa, S. (2010). Dynamics of Radical Cation of Poly(4-hydroxystyrene)-Based Chemically Amplified Resists for Extreme-Ultraviolet and Electron Beam Lithographies. *Japanese Journal of Applied Physics*. 49: 6501-6501.
- Okimura, K; Ohki, K; Nagai, S; Sakura, N. (2003). HPLC analysis of fatty acyl-glycine in the aqueous methanesulfonic acid hydrolysates of N-terminally fatty acylated peptides. *Biological & Pharmaceutical Bulletin*. 26: 1166-1169.
- Oksanen, JAI; Zenkevich, EI; Knyuksho, VN; Pakalnis, S; Hynninen, PH; Korppi-Tommola, JEI. Investigations of Chl a aggregates cross-linked by dioxane in 3-methylpentane. *Biochimica et biophysica acta = International journal of biochemistry and biophysics*. Aug 22, 1997. v. 1321 (2): 165-178.
- Oliveira, E; Baptista, RM; Costa, SP; Raposo, MM; Lodeiro, C. (2014). Synthesis and solvatochromism studies of novel bis(indolyl)methanes bearing functionalized arylthiophene groups as new colored materials. *Photochemical & photobiological sciences : Official journal of the European Photochemistry Association and the European Society for Photobiology*. 13: 492-498.
- Oliveira, L; Eutuguin, D; Cordeiro, N; Silvestre, AJD. (2009). Structural characterization of stalk lignin from banana plant. *Ind Crop Prod*. 29: 86-95.
- Oliveira, L; Evtuguin, DV; Cordeiro, N; Silvestre, AJD; Silva, AMS; Torres, IC. (2006). Structural characterization of lignin from leaf sheaths of "dwarf cavendish" banana plant. *J Agric Food Chem*. 54: 2598-2605.
- Olsson, R; Berg, U; Frejd, T. (1998). Endocyclic cleavage of glycosides. VI. Substituent effects of the alkylative endocyclic cleavage of glycosides. *Tetrahedron*. 54: 3935-3954.
- Olsson, R; Rundstrom, P; Frejd, T. (1998). Chelation-controlled regioselective endo cleavage and stereoselective C-1 alkylation of pentofuranosides. *Journal of the Chemical Society-Perkin Transactions 1785-790*.
- Omori, S; Sakakibara, A. Hydrolysis of lignin with dioxane-water. XIII. Isolation of dimeric and trimeric compounds with lignan type linkages and diguaiacylpropanediol from hardwood lignin. *Mar 1975, 21 (3): 170-175*.
- Onah, JO; Odeiani, JE. (2002). Physico-chemical studies on the charge-transfer complex formed between sulfadoxine and pyrimethamine with chloranilic acid. *J Pharm Biomed Anal*. 29: 639-647.
- Ong, RC; Chung, T-S. (2012). Fabrication and positron annihilation spectroscopy (PAS) characterization of cellulose triacetate membranes for forward osmosis. *J Memb Sci*. 394-395: 230-240.
- Ong, YT; Ahmad, AL; Zein, SHS; Sudesh, K; Tan, SH. (2011). Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. *Separation and Purification Technology*. 76: 419-427.
- Onnerud, H; Zhang, LM; Gellerstedt, G; Henriksson, G. (2002). Polymerization of monolignols by redox shuttle-mediated enzymatic oxidation: A new model in lignin biosynthesis I. *Plant Cell*. 14: 1953-1962.

Environmental Hazard Literature Search Results

Off Topic

- Ono, H; Fukushima, C; Fukuda, H. (1993). Effect of the centrally acting muscle relaxant tizanidine on spinal reflexes: involvement of descending noradrenergic systems. *Japanese journal of pharmacology*. 62: 357-362.
- Ono, N; Miyagawa, H; Ueta, T; Ogawa, T; Tani, H. (1998). Synthesis of 3,4-diarylpyrroles and conversion into dodecaarylporphyrins; a new approach to porphyrins with altered redox potentials. *Journal of the Chemical Society-Perkin Transactions* 11595-1601.
- Ooyama, HE; Hayashi, A; Mamura, T; Ide, T; Hino, T; Tanigami, T; Yoshida, K. (2012). Photophysical properties and photostability of novel unsymmetric polycyclicphenazine-type D- π -A fluorescent dyes and the dye-doped films. *Journal of Photochemistry & Photobiology, A: Chemistry*. 230: 38-46.
- Ooyama, HE; Ide, T; Yamasaki, H; Harada, A; Nagahama, Y; Ono, A; Yoshida, K. (2012). Photophysical properties and photostability of novel symmetric polycyclicphenazine-type fluorescent dyes and the dye-doped films. *Dyes and Pigments*. 94: 103-112.
- Ooyama, Y; Matsugasako, A; Nagano, T; Oka, K; Kushimoto, K; Komaguchi, K; Imae, I; Harima, Y. (2011). Fluorescence PET (photo-induced electron transfer) sensor for water based on anthracene-amino acid. *Journal of Photochemistry & Photobiology, A: Chemistry*. 222: 52-55.
- Ooyama, Y; Nabeshima, S; Mamura, T; Ooyama, HE; Yoshida, K. (2010). Heterocyclic quinol-type fluorophores. Part 9: Effect of forming a continuous intermolecular hydrogen bonding chain between fluorophores on the solid-state fluorescence properties. *Tetrahedron*. 66: 7954-7960.
- Ooyama, Y; Yoshikawa, S; Watanabe, S; Yoshida, K. (2007). Solid-emissive fluorophores constructed by a non-planar heteropolycyclic structure with bulky substituents: synthesis and X-ray crystal structures. *Organic & Biomolecular Chemistry*. 5: 1260-1269.
- Oparina, LA; Artem'ev, AV; Vysotskaya, OV; Kolyvanov, NA; Bagryanskaya, IY; Doronina, EP; Gusarova, NK. (2013). Three-component reaction between secondary phosphine sulfides, elemental selenium and vinyl ethers: the first examples of Markovnikov addition of thioselenophosphinic acids to double bond. *Tetrahedron*. 69: 6185-6195.
- Organ, MG; Miller, M; Konstantinou, Z. (1998). Mechanism of nucleophilic attack on 1- and 2-bromo(π -allyl)palladium complexes. *J Am Chem Soc*. 120: 9283-9290.
- Oriowo, MA. (1994). Alpha 1-adrenoceptor subtype(s) mediating noradrenaline-induced contractions of the guinea-pig aorta. *Fundamental & clinical pharmacology*. 8: 214-219.
- Oriowo, MA. (1995). The prejunctional inhibitory effect of alpha-methylnoradrenaline in the rat vas deferens is not mediated via alpha 2-adrenoceptors. *The Journal of pharmacy and pharmacology*. 47: 661-664.
- Oriowo, MA. (1998). Functional characterization of alpha1-adrenoceptor subtypes in the rabbit spleen. *Naunyn Schmiedebergs Arch Pharmacol*. 358: 301-307.
- Orlandi, S; Caporale, M; Benaglia, M; Annunziata, R. (2003). Synthesis of new enantiomerically pure C1- and C2-symmetric N-alkyl-benzimidazolium and thiazolium salts. *Tetrahedron: Asymmetry*. 14: 3827-3830.
- OromÃ--FarrÃs, M; Villorbina, G; Eras, J; Gatus, F; Torres, M; Canela, R. (2010). Determination of the iodine value of biodiesel using ¹H NMR with 1,4-dioxane as an internal standard. *Fuel*. 89: 3489-3492.
- O'Rourke, M; Kearns, S; Docherty, JR. (1995). Investigation of the actions of chloroethylclonidine in rat aorta. *Br J Pharmacol*. 115: 1399-1406.
- Ortega, H; Ahmed, S; Alper, H. (2007). Facile regioselective synthesis of pyrazolo 5,1-a isoquinolines via ring-opening cyclization/oxidation reactions of stable aroyldiaziridines of 3,4-tetrahydroisoquinoline with alkynes. *Synthesis-Stuttgart*3683-3691.
- Ortega, HE; Teixeira, ED; Rabello, A; Higginbotham, S; Cubilla-Rios, L. (2014). Anti-L. donovani Activity in Macrophage/Amastigote Model of Palmarumycin CP18 and its Large Scale Production. *Natural Product Communications*. 9: 95-98.
- Ortica, F; Rodgers, MAJ. (2001). A laser flash photolysis study of curcumin in dioxane-water mixtures. *Photochem Photobiol*. 74: 745-751.
- Osman, AA; Braunersreuther, I; Mothes, T. (1994). Investigation of gliadin binding to different selected proteins using a biotin-streptavidin system. *Zeitschrift Fuer Lebensmittel Untersuchung Und Forschung*. 198: 249-252.
- Osuch-Kwiatkowska, A; Jarosz, Sa. (2013). An approach to highly oxygenated monocyclic derivatives with large rings. *Tetrahedron: Asymmetry*. 24: 468-473.
- Othman, A; Evans, JSO; Evans, IR; Harris, RK; Hodgkinson, P. (2007). Structural study of polymorphs and solvates of finasteride. *J Pharm Sci*. 96: 1380-1397.
- Ott, MG; Teta, J; Greenberg, HL. (1989). Lymphatic and hematopoietic tissue cancer in a chemical manufacturing environment. *Am J Ind Med*. 16: 631-644.
- Ouaad, K; Djadoun, Sd; Vincent, L; Sbirrazzuoli, N. (2013). Elaboration and thermal behavior of nanocomposites based on poly(ethyl methacrylate) and an Algerian bentonite prepared via in situ polymerization initiated by Ni(II)²⁺-benzoinoxime complex. *Thermochemica acta*. 555: 30-36.
- Outlaw, KK; Vela, AR; O'Leary, JP. (1998). Breaking strength and diameter of absorbable sutures after in vivo exposure in the rat. *The American surgeon*. 64: 348-354.
- Ouyang, Y. (2002). Phytoremediation: modeling plant uptake and contaminant transport in the soil-plant-atmosphere continuum. *J Hydrol*. 266: 66-82.
- Ouyang, Y. (2008). Modeling the mechanisms for uptake and translocation of dioxane in a soil-plant ecosystem with STELLA. *J Contam Hydrol*. 95: 17-29.
- Oya, A; Tanaka, N; Kusama, T; Kim, SY; Hayashi, S; Kojoma, M; Hishida, A; Kawahara, N; Sakai, K; Gono, T; Kobayashi, J. (2015). Prenylated Benzophenones from *Triadenum japonicum*. *J Nat Prod*. 78: 258-264.
- Ozarowski, A; Lee, HM; Balch, AL. (2003). Crystal environments probed by EPR spectroscopy. Variations in the EPR spectra of Co(II)(octaethylporphyrin) doped in crystalline diamagnetic hosts and a reassessment of the electronic structure of four-coordinate cobalt(II). *J Am Chem Soc*. 125: 12606-12614.

Environmental Hazard Literature Search Results

Off Topic

- Oztekin, Y; Ramanaviciene, A; Ramanavicius, A. (2011). Electrochemical copper (II) sensor based on self-assembled 4-amino-6-hydroxy-2-mercaptopyrimidine monohydrate. *Sensors & Actuators: B*. 155: 612-617.
- Pace, M; Agnellini, D; Lippoli, G; Berger, RL. Hydrophobic properties of NAD glycohydrolase from *Neurospora crassa* conidia and interaction with dioxane. *ADP-ribosylation in animal tissues : structure, function, and biology of mono (ADP-ribosyl) transferases and related enzymes* /389-397.
- Pagar, KP; Vavia, PR. (2013). Poly[LA-(Glc-Leu)] copolymer as a carrier for ocular delivery of ciprofloxacin: formulation, characterization and in vivo biocompatibility study. *Therapeutic delivery*. 4: 553-565.
- Palmelund, A; Madsen, R. (2005). Chain elongation of aldoses by indium-mediated coupling with 3-bromopropenyl esters. *J Org Chem*. 70: 8248-8251.
- Palmer, CEA. (1987). PHOTOPHYSICAL STUDIES OF SEVERAL COPPER(I) SYSTEMS. PhD, Purdue University.
- Palmer, CJ; Casida, JE. Insecticidal 1,3-oxathianes and their oxides. *J Agric Food Chem*. Feb 1995. v. 43 (2): 498-502.
- Palomo, JA; Segura, RL; Fuentes, M; Ortiz, CC; Guisan, JM; Fernandez-Lafuente, R. (2006). Unusual enzymatic resolution of (+/-)-glycidyl-butyrates for the production of (S)-glycidyl derivatives. *Enzyme Microb Technol*. 38: 429-435.
- Palomo, JM; Segura, RL; Fernandez-Lorente, G; Pernas, M; Rua, ML; Guisan, JM; Fernandez-Lafuente, R. (2004). Purification, immobilization, and stabilization of a lipase from *Bacillus thermocatenulatus* by interfacial adsorption on hydrophobic supports. *Biotechnol Prog*. 20: 630-635.
- Palyam, N; Majewski, M. (2009). Organocatalytic syn-Aldol Reactions of Dioxanones with (S)-Isoleucine Hydrate: Synthesis of L-Deoxymannojirimycin and L-Deoxydonojirimycin. *J Org Chem*. 74: 4390-4392.
- Palyam, N; Niewczas, I; Majewski, M. (2007). Building carbohydrates on the dioxanone scaffold: stereoselective synthesis of D-glycero-D-manno-2-octulose. *Tetrahedron Letters*. 48: 9195-9198.
- Pan, FF; Beyeh, NK; Rissanen, K. (2015). Concerted Halogen-Bonded Networks with N-Alkyl Ammonium Resorcinarene Bromides: From Dimeric Dumbbell to Capsular Architectures. *J Am Chem Soc*. 137: 10406-10413.
- Pan, J; Pourghiasian, M; Hundal, N; Lau, J; Bâ€šnard, F; Dedha, D-DoMOBCCA VBCCVZL; Lin, KS. (2013). f-[18F]fluoroethanol and 3-[18F]fluoropropanol: facile preparation, biodistribution in mice, and their application as nucleophiles in the synthesis of [18F]fluoroalkyl aryl ester and ether PET tracers. *Nucl Med Biol*. 40: 850-857.
- Pan, JH; Pourghiasian, M; Hundal, N; Lau, J; Benard, F; Dedhar, S; Lin, KS. (2013). 2- F-18 Fluoroethanol and 3- F-18 fluoropropanol: facile preparation, biodistribution in mice, and their application as nucleophiles in the synthesis of F-18 fluoroalkyl aryl ester and ether PET tracers. *Nucl Med Biol*. 40: 850-857.
- Pandey, G; Gaikwad, AL; Gadre, S. (2006). Chiral 6-phenyl-2,3-bismethylenemethoxycarbonyl- 1,4 -dioxane as a designer synthon for an efficient and short synthesis of optically pure 2,6-dioxabicyclo 3.3.0 octane-3,7-dione. *Tetrahedron Letters*. 47: 701-703.
- Pandey, PS; Rao, TS. (2004). An efficient synthesis of N3,4-diphenyl-5-(4-fluorophenyl)-2-isopropyl-1H-3-pyrrolicarboxamide, a key intermediate for atorvastatin synthesis. *Bioorganic & Medicinal Chemistry Letters*. 14: 129-131.
- Panicker, B; Karle, JM; Avery, MA. (2000). An unusual reversal of stereoselectivity in a boron mediated aldol reaction: Enantioselective synthesis of the C(1)-C(6) segment of the epothilones. *Tetrahedron*. 56: 7859-7868.
- Panigrahi, S; Suna, P; Misra, PK. (2012). Effect of organized assemblies, part VIII: Spectrophotometric study on the effect of micellar media on the pK of some substituted N-benzylideneanilines. *Colloids and surfaces*. 415: 349-357.
- Papanastasiou, G. (1990). Determination of autoprotolysis constants of ternary water-€œdioxane-€œmethanol solvent systems at 25°C. *Anal Chim Acta*. 229: 261-265.
- Papanastasiou, G; Ziogas, I; Moutzias, I. (1986). Acid-base equilibria in ternary water/methanol/dioxane solvent systems : Determination of pKa values of some aliphatic monocarboxylic acids. *Anal Chim Acta*. 186: 213-221.
- Papazoglou, LG; Tsioli, V; Papaioannou, N; Georgiadis, M; Savvas, I; Prassinou, N; Kouti, V; Bikiaris, D; Hadzigiannakis, C; Zavros, N. (2010). Comparison of absorbable and nonabsorbable sutures for intradermal skin closure in cats. *The Canadian veterinary journal = La revue vétérinaire canadienne*. 51: 770-772.
- Pappas, NJ, Jr. (1981). Response of Rat Liver Aspartate Aminotransferase to Carbon Tetrachloride. *Research Communications in Molecular Pathology and Pharmacology*. 31: 475-482.
- Paquette, LA; Zeng, QB; Tsui, HC; Johnston, JN. (1998). Stereochemical models for the enantiocontrolled construction of fully functionalized C rings via intramolecular aldolization in advanced precursors to paclitaxel. *J Org Chem*. 63: 8491-8509.
- Parales, RE; Adamus, JE; White, N; May, HD. (1994). Degradation of 1,4-dioxane by an actinomycete in pure culture. *Appl Environ Microbiol*. 60: 4527-4530.
- Parekh, KB; Shelver, WH; Tsai, AY; Reopelle, R. (1975). Synthesis of potential adrenergic blocking agents: 2-substituted aminomethylnaphthol(2,3-b)-1,4-dioxans. *J Pharm Sci*. 64: 875-878.
- Parekh, KB; Shelver, WH; Tsai, A-YS; Reopelle, R. (1975). Synthesis of Potential Adrenergic Blocking Agents: 2-Substituted Aminomethylnaphtho(2,3-b)-1,4-dioxans. *J Pharm Sci*. 64: 875-878.
- Paris, H; Voisin, T; Remaury, A; Rouyer-Fessard, C; Daviaud, D; Langin, D; Laburthe, M. (1990). Alpha-2 adrenoceptor in rat jejunum epithelial cells: characterization with [3H]RX821002 and distribution along the villus-crypt axis. *J Pharmacol Exp Ther*. 254.
- Park, AK; Chi, YM; Moon, JH. (2011). Crystal structure of PduO-Type ATP:Cob(I)alamin adenosyltransferase from *Bacillus cereus* in a complex with ATP. *Biochem Biophys Res Commun*. 408: 417-421.
- Park, DW; Kim, JS; Haam, S; Kim, HS; Kim, WS. (2001). Lipase-catalyzed synthesis of beta-methylglucoside esters containing an alpha-hydroxy acid. *Biotechnol Lett*. 23: 1947-1952.

Environmental Hazard Literature Search Results

Off Topic

- Park, NK; Kim, BT; Moon, SS; Jeon, SL; Jeong, IH. (2004). An efficient preparation of novel 5-fluoropyrazolin-3-one derivatives from alpha-trifluoromethylated alpha-arylacetates. *Tetrahedron*. 60: 7943-7949.
- Parks, V; Philipp, AW; Raje, S; Plotka, A; Schechter, LE; Connell, J; Chalon, S. (2012). Concomitant blockade of 5-HT(1A) receptor and 5-HT transporter: use of the Hunter Serotonin toxicity criteria in a clinical pharmacology study. *European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology*. 22: 92-99.
- Parra, C; Rodriguez, J; Baeza, J; Freer, J; Duran, N. (1998). Iron-binding catechols oxidating lignin and chlorolignin. *Biochem Biophys Res Commun*. 251: 399-402.
- Parry, PR; Bryce, MR; Tarbit, B. (2003). New shelf-stable halo- and alkoxy-substituted pyridylboronic acids and their Suzuki cross-coupling reactions to yield heteroarylpyridines. *Synthesis-Stuttgart*1035-1038.
- Paruta, AN. (1969). Solubility of the Parabens in Dioxane-Water Mixtures. *J Pharm Sci*. 58: 204-206.
- Paruta, AN; Mauger, JW. (1971). Solubility of Sodium Salicylate in Mixed Solvent Systems. *J Pharm Sci*. 60: 432-437.
- Pasta, P; Riva, S; Carrea, G. (1988). Circular dichroism and fluorescence of polyethylene glycol-subtilisin in organic solvents. *FEBS Letters*. 236: 329-332.
- Pasto, M; Rodriguez, B; Riera, A; Pericas, MA. (2003). Synthesis of enantiopure amino alcohols by ring-opening of epoxyalcohols and epoxyethers with ammonia. *Tetrahedron Letters*. 44: 8369-8372.
- Pasumansky, L; Collins, CJ; Pratt, LM; Nguyen, NV; Ramachandran, B; Singaram, B. (2007). Solvent and temperature effects on the reduction and amination reactions of electrophiles by lithium dialkylaminoborohydrides. *J Org Chem*. 72: 971-976.
- Paszczynski, A; Crawford, RL; Blanchette, RA. Delignification of wood chips and pulps by using natural and synthetic porphyrins: models of fungal decay. *Appl Environ Microbiol*. Jan 1988. v. 54 (1): 62-68 ill.
- Patat, A; Parks, V; Raje, S; Plotka, A; Chassard, D; Le, CF. (1990). Safety, tolerability, pharmacokinetics and pharmacodynamics of ascending single and multiple doses of lecozotan in healthy young and elderly subjects. *Br J Clin Pharmacol*. 67: 299-308.
- Patel, S; Gorai, S; Malik, PK. (2011). Preferential solvation through selective functional group recognition in p-nitroaniline. *Journal of Photochemistry & Photobiology, A: Chemistry*. 219: 76-83.
- Patil, NT; Huo, ZB; Bajracharya, GB; Yamamoto, Y. (2006). Lactam synthesis via the intramolecular hydroamidation of alkynes catalyzed by palladium complexes. *J Org Chem*. 71: 3612-3614.
- Patil, NT; Khan, FN; Yamamoto, Y. (2004). Microwave-enhanced Pd(0)/acetic acid catalyzed allylation reactions of C, N, and O-pronucleophiles with alkynes. *Tetrahedron Letters*. 45: 8497-8499.
- Patwardhan, AP. (2000). Development of novel membrane materials and their application to coupled transport phenomenon. PhD, Purdue University.
- Paul, S; Gupta, V; Gupta, R; Loupy, A. (2003). Microwave-induced selective synthesis of alpha-bromo and alpha,alpha-dibromoalkanones using dioxane-dibromide and silica gel under solvent-free conditions. *Tetrahedron Letters*. 44: 439-442.
- Pavia, FC; La Carrubba, V; Piccarolo, S; Brucato, V. (2008). Polymeric scaffolds prepared via thermally induced phase separation: Tuning of structure and morphology. *Journal of Biomedical Materials Research Part A*. 86A: 459-466.
- Pavlopoulos, TG; Boyer, JH; Sathyamoorthi, G. (1998). Laser action from a 2,6,8-position trisubstituted 1,3,5,7-tetramethylpyrromethene-BF(2) complex: part 3. *Appl Opt*. 37: 7797-7800.
- Pavlopoulos, TG; Lightner, DA; Brower, JO. (2003). Laser action from two dipyrinone dyes under flash-lamp pumping. *Appl Opt*. 42: 3555-3557.
- Pawar, SS; Mungikar, AM. (1977). Dioxane toxicity & hepatic mixed function oxidase enzymes in mice. *Indian journal of experimental biology*. 16: 54-56.
- Pawelska, N; Ponikiewski, A; Makowiec, Sa. (2012). Boron difluoride complexes of carbamoyl Meldrum's acids. *Journal of Fluorine Chemistry*. 144: 65-68.
- Pégo, AP; Van, LMJ; Brouwer, LA; van, WPB; Poot, AA; Grijpma, DW; Feijen, J. (2003). In vivo behavior of poly(1,3-trimethylene carbonate) and copolymers of 1,3-trimethylene carbonate with D,L-lactide or epsilon-caprolactone: Degradation and tissue response. *J Biomed Mater Res A*. 67: 1044-1054.
- Pearson, AJ; Panda, S; Bunge, SD. (2013). Synthesis of a Potential Intermediate for TMC-95A via an Organocatalyzed Aldol Reaction. *J Org Chem*. 78: 9921-9928.
- Pearson, CR; McConnell, G. (1975). Chlorinated C1 and C2 hydrocarbons in the marine environment. *Proc R Soc Lond Ser B*. 189: 305-332.
- Pecquery, R; Dieudonne, MN; Cloix, JF; Leneveu, MC; Dausse, JP; Giudicelli, Y. (1993). Enhancement of the expression of the alpha 2-adrenoreceptor protein and mRNA by a direct effect of androgens in white adipocytes. *Biochem Biophys Res Commun*. 206: 112-118.
- Pederson, RL; Esker, J; Wong, C-H. (1991). An improved synthesis of dihydroxyacetone phosphate. *Tetrahedron*. 47: 2643-2648.
- Pegg, AE; Perry, W. (1981). Stimulation of Transfer of Methyl Groups From O super(6)-Methylguanine in DNA to Protein by Rat Liver Extracts in Response to Hepatotoxins. *Carcinogenesis*. 2: 1195-1200.
- Peleteiro, S; Santos, V; Garrote, G; Parajo, JC. (2016). Furfural production from Eucalyptus wood using an Acidic Ionic Liquid. *Carbohydr Polymer*. 146: 20-25.
- Pena, MA; Bustamante, P; Escaler, B; Reillo, A; Bosque-Sendra, JM. (2004). Solubility and phase separation of benzocaine and salicylic acid in 1,4-dioxane-water mixtures at several temperatures. *J Pharm Biomed Anal*. 36: 571-578.
- Pena, MA; Escalera, B; Reillo, A; Sanchez, AB; Bustamante, P. (2009). Thermodynamics of Cosolvent Action: Phenacetin, Salicylic Acid and Probenecid. *J Pharm Sci*. 98: 1129-1135.
- Pena, MA; Reillo, A; Escalera, B; Bustamante, P. (2006). Solubility parameter of drugs for predicting the solubility profile type within a wide polarity range in solvent mixtures. *Int J Pharm*. 321: 155-161.

Environmental Hazard Literature Search Results

Off Topic

- Pencil, SD; Glende, EA, Jr.; Recknagel, RO. (1982). Loss of calcium sequestration capacity in endoplasmic reticulum of isolated hepatocytes treated with carbon tetrachloride. *Research Communications in Molecular Pathology and Pharmacology*. 36: 413-428.
- Penczek, S; Slomkowski, S; Bevington, JC. (1989). 47 - Cationic Ring-opening Polymerization: Formation of Cyclic Oligomers A2 - Allen, Geoffrey. *Comprehensive Polymer Science and Supplements* Amsterdam 725-749.
- Penner, SB; Smyth, DD. (1997). Central and renal I1 imidazoline preferring receptors: two unique sites mediating natriuresis in the rat. *Cardiovascular drugs and therapy / sponsored by the International Society of Cardiovascular Pharmacotherapy*. 8 Suppl 1: 43-48.
- Penso, M; Foschi, F; Pellegrino, S; Testa, A; Gelmi, ML. (2012). Diastereoselective Protocols for the Synthesis of 2,3-trans- and 2,3-cis-6-Methoxymorpholine-2-carboxylic Acid Derivatives. *J Org Chem*. 77: 3454-3461.
- Pepe, O; Villani, F; Oliviero, D; Greco, T; Coppola, S. (2003). Effect of proteolytic starter cultures as leavening agents of pizza dough. *International Journal of Food Microbiology*. 84: 319-326.
- Peppe, C; Tuck, DG; de Andrade, FM; Nã³brega, JA; Brown, MA; Burrow, RA. (2005). Structure and reactivity of derivatives of dihalogenomethyl indium(III) halides, X₂InCHX₂ (X = Cl, Br, I). *Journal of Organometallic Chemistry*. 690: 925-931.
- Pera, LM; Majolli, MVI; Baigori, MD. (1997). Purification and characterization of a thermostable and highly specific beta-N-acetyl-D-glucosaminidase from *Aspergillus niger* 419. *Biotechnology and Applied Biochemistry*. 26: 183-187.
- Percec, V; Golding, GM; Smidral, J; Weichold, O. (2004). NiCl₂(dppe)-catalyzed cross-coupling of aryl mesylates, arenesulfonates, and halides with arylboronic acids. *J Org Chem*. 69: 3447-3452.
- Perepichka, IF; Kuz'mina, LG; Perepichka, DF; Bryce, MR; Goldenberg, LM; Popov, AF; Howard, JAK. (1998). Electron acceptors of the fluorene series. 7 2,7-dicyano-4,5-dinitro-9-X-fluorenes: Synthesis, cyclic voltammetry, charge transfer complexation with N-propylcarbazole in solution, and X-ray crystal structures of two tetrathiafulvalene complexes. *J Org Chem*. 63: 6484-6493.
- Perez-Prior, MT; Manso, JA; Garcia-Santos, MD; Calle, E; Casado, J. (2005). Alkylating potential of potassium sorbate. *J Agric Food Chem*. 53: 10244-10247.
- Pericã s, MA; Riera, A; Giralt, E. (1985). Conformational analysis of trans-2,3-diaryloxy-1,4-dioxanes. A tool for discriminating between steric and electronic effects in the position of. *Tetrahedron*. 41: 3785-3789.
- Perollier, C; Bernardinelli, G; Lacour, J. (2008). Sugar derived hexacoordinated phosphates: Chiral anionic auxiliaries with general asymmetric efficiency. *Chirality*. 20: 313-324.
- Peroutka, SJ; U'Prichard, DC; Greenberg, DA; Snyder, SH. (1977). Neuroleptic drug interactions with norepinephrine alpha receptor binding sites in rat brain. *Neuropharmacology*. 16: 549-556.
- Perron-Sierra, FM; Burbridge, M; Paan, C; Tucker, GC; Casara, P. (2004). Synthesis of a novel dioxan sialic acid analog. *Tetrahedron Letters*. 45: 4163-4166.
- Perschke, H; Hussain, M. Chemical isomerization of deltamethrin in alcohols. *J Agric Food Chem*. Apr 1992. v. 40 (4): 686-690.
- Persico, M; Parapini, S; Chianese, G; Fattorusso, C; Lombardo, M; Petrizza, L; Quintavalla, A; Rondinelli, F; Basilico, N; Taramelli, D; Trombini, C; Fattorusso, E; Tagliatalata-Scafati, O. (2013). Further optimization of plakortin pharmacophore: Structurally simple 4-oxymethyl-1,2-dioxanes with promising antimalarial activity. *Eur J Med Chem*. 70: 875-886.
- Persico, M; Quintavalla, A; Rondinelli, F; Trombini, C; Lombardo, M; Fattorusso, C; Azzarito, V; Taramelli, D; Parapini, S; Corbett, Y; Chianese, G; Fattorusso, E; Tagliatalata-Scafati, O. (2011). A New Class of Antimalarial Dioxanes Obtained through a Simple Two-Step Synthetic Approach: Rational Design and Structure-Activity Relationship Studies. *J Med Chem*. 54: 8526-8540.
- Pesic, M; Lopez, C; Alvaro, G. (2012). Chloroperoxidase catalyzed oxidation of Cbz-ethanolamine to Cbz-glycinal. *Biochem Eng J*. 67: 218-224.
- Pesic, M; Lopez, C; Lopez-Santin, J; Alvaro, G. (2013). From amino alcohol to aminopolyol: one-pot multienzyme oxidation and aldol addition. *Appl Microbiol Biotechnol*. 97: 7173-7183.
- Pessayre, D; Cobert, B; Descatoire, V; Degott, C; Babany, G; Funck-Brentano, C; Delaforge, M; Larrey, D. (1982). Hepatotoxicity of trichloroethylene-carbon tetrachloride mixtures in rats. A possible consequence of the potentiation by trichloroethylene of carbon tetrachloride-induced lipid peroxidation and liver lesions. *GASTROENTEROLOGY*. 83: 761-772.
- Petasis, NA; Lu, S-P. (1996). Stereocontrolled synthesis of substituted tetrahydropyrans from 1,3-dioxan-4-ones. *Tetrahedron Letters*. 37: 141-144.
- Peterson, ML. (1951). STUDIES ON THE SULFONATION OF OLEFINS WITH DIOXANE (SULFUR-TRIOXIDE). PhD, Northwestern University.
- Pettibone, DJ; Pflueger, AB; Totaro, JA. (1984). Tetrabenazine-induced depletion of brain monoamines: mechanism by which desmethylimipramine protects cortical norepinephrine. *Eur J Pharmacol*. 102: 431-436.
- Peukert, S; Giese, B. (1998). The pivaloylglycol anchor group: A new platform for a photolabile linker in solid-phase synthesis. *J Org Chem*. 63: 9045-9051.
- Phan, HD; Yokoyama, T; Matsumoto, Y. (2012). Direct participation of counter anion in acid hydrolysis of glycoside. *Organic & Biomolecular Chemistry*. 10: 7382-7391.
- Phatangare, KR; Gupta, VD; Tathe, AB; Padalkar, VS; Patil, VS; Ramasami, P; Sekar, N. (2013). ES IPT inspired fluorescent 2-(4-benzo d oxazol-2-yl)naphtho 1,2-d oxazol-2-yl)phenol: experimental and DFT based approach to photophysical properties. *Tetrahedron*. 69: 1767-1777.
- Phillipson, DW. (1985). BIOLOGICALLY ACTIVE COMPOUNDS FROM CARIBBEAN SPONGES. PhD, University of Illinois at Urbana-Champaign.
- Piascik, MT; Butler, BT; Pruitt, TA; Kusiak, JW. (1990). Agonist interaction with alkylation-sensitive and -resistant alpha-1 adrenoceptor subtypes. *The Journal of pharmacology and experimental therapeutics*. 254: 982-991.
- Piber, M; Leahy, JW. (1998). Enantiospecific generation of anti-aldol adducts via conjugate addition to 5-methylene-1,3-dioxan-4-ones. *Tetrahedron Letters*. 39: 2043-2046.

Environmental Hazard Literature Search Results

Off Topic

- Pibiri, I; Piccionello, AP; Pace, A; Barone, G; Buscemi, S. (2013). Photochemical functionalization of allyl benzoates by C-H insertion. *Tetrahedron*. 69: 6065-6069.
- Pickel, M; Casper, T; Rahm, A; Dambouwy, C; Chen, P. (2002). Facile preparation and activation of high-productivity single-site nickel catalysts for highly linear polyethylene. *Helvetica Chimica Acta*. 85: 4337-4352.
- Pickett, TE; Richards, CJ. (2001). Synthesis of a C(3)-symmetric ferrocenylphosphine and its application to the Suzuki reaction of aryl chlorides. *Tetrahedron Letters*. 42: 3767-3769.
- Pickett, TE; Roca, FX; Richards, CJ. (2003). Synthesis of monodentate ferrocenylphosphines and their application to the palladium-catalyzed Suzuki reaction of aryl chlorides. *J Org Chem*. 68: 2592-2599.
- Piergentili, A; Quaglia, W; Giannella, M; Del Bello, F; Bruni, B; Buccioni, M; Carrieri, A; Ciattini, S. (2007). Dioxane and oxathiane nuclei: Suitable substructures for muscarinic agonists. *Bioorganic & Medicinal Chemistry*. 15: 886-896.
- Piergentili, A; Quaglia, W; Giannella, M; Del Bello, F; Buccioni, M; Nesi, M; Matucci, R. (2008). Rapid novel divergent synthesis and muscarinic agonist profile of all four optical isomers of N,N,N-trimethyl(6-methyl-1,4-dioxan-2-yl)methanaminium iodide. *Bioorganic & Medicinal Chemistry Letters*. 18: 614-618.
- Pierrot, M; El Idrissi, M; Santelli, M. (1989). Ozonolysis; intramolecular trapping of the α -Criegee intermediate. X-Ray analysis and anomeric effect in a 6-hydroxy-3-methoxy-1,2-dioxane. *Tetrahedron Letters*. 30: 461-462.
- Piet, JJ; Schuddeboom, W; Wegewijs, BR; Grozema, FC; Warman, JM. (2001). Symmetry breaking in the relaxed S(1) excited state of bianthryl derivatives in weakly polar solvents. *J Am Chem Soc*. 123: 5337-5347.
- Pike, VW; Halldin, C; Nobuhara, K; Hiltunen, J; Mulligan, RS; Swahn, CG; Karlsson, P; Olsson, H; Hume, SP; Hirani, E; Whalley, J; Pilowsky, LS; Larsson, S; Schnell, PO; Ell, PJ; Farde, L. (2003). Radioiodinated SB 207710 as a radioligand in vivo: imaging of brain 5-HT4 receptors with SPET. *Eur J Nucl Med Mol Imaging*. 30: 1520-1528.
- Pilloni, G. (1967). Complexes of organolead and organotin ions with 1-(2-pyridylazo)-2-naphthol. *Anal Chim Acta*. 37: 497-507.
- Pils, S; Schnabl, K; Wallner, S; Kljajic, M; Kupresanin, N; Breinbauer, R; Fuchs, M; Rocha, R; Schrittwieser, JH; Kroutil, W; Daniel, B; Macheroux, P. Characterization of the monofunctional oxidoreductase AtBBE-like protein 15 L182V for biocatalytic applications. *Journal of Molecular Catalysis B: Enzymatic*.
- Pinchas, S. (1977). The anomalous behaviour of ^{18}O -labelled compounds in XIV Association of normal and ^{18}O -labelled water in dioxan solutions. *Journal of Inorganic and Nuclear Chemistry*. 39: 459-462.
- Pinchas, S. (1980). The anomalous behaviour of ^{18}O -labelled compounds in XVII[1]: The relative integrated intensity of the ^{18}O -H stretching raman band of water in solution in dioxan. *Journal of Inorganic and Nuclear Chemistry*. 42: 731-733.
- Pingali, H; Jain, M; Shah, S; Basu, S; Makadia, P; Goswami, A; Zaware, P; Patil, P; Godha, A; Giri, S; Goel, A; Patel, M; Patel, H; Patel, P. (2008). Discovery of a highly orally bioavailable c-5- 6-(4-Methanesulfonyloxyphenyl)hexyl -2-methyl-1,3-dioxane-r-2-carboxylic acid as a potent hypoglycemic and hypolipidemic agent. *Bioorganic & Medicinal Chemistry Letters*. 18: 5586-5590.
- Pingali, H; Jain, M; Shah, S; Makadia, P; Zaware, P; Goel, A; Patel, M; Giri, S; Patel, H; Patel, P. (2008). Design and synthesis of novel oxazole containing 1,3-Dioxane-2-carboxylic acid derivatives as PPAR α/γ dual agonists. *Bioorganic & Medicinal Chemistry*. 16: 7117-7127.
- Pingali, H; Jain, M; Shah, S; Makadia, P; Zaware, P; Goel, A; Patel, M; Giri, S; Patel, H; Patel, P. (2008). Design and synthesis of novel oxazole containing 1,3-Dioxane-2-carboxylic acid derivatives as PPAR α/γ dual agonists. *Bioorganic & Medicinal Chemistry*. 16: 7117-7127.
- Pingali, H; Jain, M; Shah, S; Patil, P; Makadia, P; Zaware, P; Sairam, K; Jamili, J; Goel, A; Patel, M; Patel, P. (2008). Modulation of PPAR receptor subtype selectivity of the ligands: Aliphatic chain vs aromatic ring as a spacer between pharmacophore and the lipophilic moiety. *Bioorganic & Medicinal Chemistry Letters*. 18: 6471-6475.
- Pingali, SRK; Madhav, M; Jursic, BS. (2010). An efficient regioselective NBS aromatic bromination in the presence of an ionic liquid. *Tetrahedron Letters*. 51: 1383-1385.
- Pino, ME; Petermann, M; Pereda, T; Iturriaga, H; Ugarte, G. (1981). Effects of Chronic Ethanol Administration on Hepatic Collagen Accumulation in the Rat. *Archivos de Biología y Medicina Experimentales*. 14: 111-115.
- Piotrowska, DG; Głowacka, IE; Wróblewski, AE. (2010). New approach to the enantiomerically pure 1,2,3-trihydroxypropylphosphonates. *Tetrahedron: Asymmetry*. 21: 2218-2222.
- Piotrowska, H; Serafin, B; Urbaniak, T. (1963). Aliphatic nitro-compounds. LIII : Nitro derivatives of dioxaboracyclohexane. *Tetrahedron*. 19: 379-383.
- Piou, A; Celerier, S; Brunet, S. (2012). Catalytic fluorination of dichloromethylbenzene by HF in liquid phase. Preparation of fluorinated building blocks. *Journal of Fluorine Chemistry*. 134: 103-106.
- Pires, LR; Guarino, V; Oliveira, MJ; Ribeiro, CC; Barbosa, MA; Ambrosio, L; Pêgo, APUUdPidCn; dica; dicas, ASPP. (2016). Ibuprofen-loaded poly(trimethylene carbonate-co- ϵ -caprolactone) electrospun fibres for nerve regeneration. *J Tissue Eng Regen*. 10.
- Plaa, GL; Hewitt, WR; du Souich, P; Caille, G; Lock, S. (1982). Isopropanol and acetone potentiation of carbon tetrachloride-induced hepatotoxicity: Single versus repetitive pretreatments in rats. *J Toxicol Environ Health*. 9: 235-250.
- Plaza, M; Valdes, C. (2016). Stereoselective Domino Carbocyclizations of gamma- and delta-Cyano-N-tosylhydrazones with Alkenylboronic Acids with Formation of Two Different C(sp³)-C(sp²) Bonds on a Quaternary Stereocenter. *J Am Chem Soc*. 138: 12061-12064.
- Podgornova, GG; Saipov, ZK; Smirnova, LS; Abduazimov, KA. A study of dioxane and hydrolysis lignins from the seed hulls of the cotton plant. *Chemistry of Natural Compounds*. May/June 1976 (Transl 1977), 12 (3): 364-365.
- Pohl, U; Huber, F. (1976). Kinetik und mechanismus des zerfalls von monomethylthalliumdiacetat in Lösung. *Journal of Organometallic Chemistry*. 116: 141-151.

Environmental Hazard Literature Search Results

Off Topic

- Poli, G; Cheeseman, K; Slater, TF; Dianzani, MU. (1981). The Role of Lipid Peroxidation in CCl₄-Induced Damage to Liver Microsomal Enzymes: Comparative Studies In Vitro Using Microsomes and Isolation Liver Cells. *Chem Biol Interact.* 37: 13-24.
- Polzhofer, KP; Ney, KH. (1970). Bildung von glutaminsäure-¹³C-¹³-Äthylester und glutaminsäure-¹³C-(2-hydroxy-Äthyl)-ester bei der Hydrolyse von glutaminsäure-¹³C-benzylester mit dioxan/HCl. *Tetrahedron.* 26: 3787-3790.
- Poniatowski, AJ; Floreancig, PE. (2007). Synthesis of the C(1)-C(15) fragment of apicularen a through a regioselective electron-transfer-initiated cyclization reaction. *Synthesis-Stuttgart* 2291-2296.
- Pontius, A; Krick, A; Kehraus, S; Brun, R; König, GM. (2008). Antiprotozoal activities of heterocyclic-substituted xanthenes from the marine-derived fungus *Chaetomium* sp. *J Nat Prod.* 71: 1579-1584.
- Poon, YF. (1990). Intramolecular cycloadditions of azides with 1,3-dienes: A novel method for the synthesis of alkaloids. PhD, University of Michigan.
- Pornet, J; Randrianoelina, B; Miginiac, Lo. (1984). Reactivité de silanes propargyliques \pm -fonctionnels vis à vis des dérivés carbonyles : préparation d'alcools-éthers, de diols et de dioxanes alléniques. *Tetrahedron Letters.* 25: 651-654.
- Potavathi, S; Dumas, AS; Dwight, TA; Naumiec, GR; Hamann, JM; DeBoef, B. (2008). Oxidant-controlled regioselectivity in the oxidative arylation of N-acetylindoles. *Tetrahedron Letters.* 49: 4050-4053.
- Pounder, RJ; Dove, AP. (2010). Synthesis and Organocatalytic Ring-Opening Polymerization of Cyclic Esters Derived from L-Malic Acid. *Biomacromolecules.* 11: 1930-1939.
- Powell, NA; Rychnovsky, SD. (1998). Coupling of alkynyl organometallics with 4-acetoxy-1,3-dioxanes: Synthesis of propargylic and allylic anti-1,3-diols. *Tetrahedron Letters.* 39: 3103-3106.
- Powell, NA; Rychnovsky, SD. (1999). Anti-1,3-diols by addition of dialkylzinc reagents to 4-acetoxy-1,3-dioxanes. *J Org Chem.* 64: 2026-2037.
- Prabhakar, P; Rajaram, S; Venkateswarlu, Y. (2009). Asymmetric synthesis of a sex pheromone (3S,5R,6S)-3,5-dimethyl-6-isopropyl-3,4,5,6-tetrahydropyran-2-one. *Tetrahedron: Asymmetry.* 20: 1806-1808.
- Pradhan, TK; Reddy, KM; Ghosh, S. (2013). Total synthesis of emericellamides A and B. *Tetrahedron: Asymmetry.* 24: 1042-1051.
- Presolski, SI; Zorba, A; Thamattoor, DM; Tippmann, EM; Platz, MS. (2004). A search for dichlorocarbene ether solvent interactions. *Tetrahedron Letters.* 45: 485-486.
- Prichystalova, H; Almonasy, N; Abdel-Mohsen, AM; Abdel-Rahman, RM; Fouda, MMG; Vojtova, L; Kobera, L; Spatz, Z; Burgert, L; Jancar, J. (2014). Synthesis, characterization and antibacterial activity of new fluorescent chitosan derivatives. *Int J Biol Macromol.* 65: 234-240.
- Pridle, MW; Jackson, RE. (1991). Laboratory column measurement of VOC (volatile organic compounds) retardation factors and comparison with field values. *Ground Water.* 29: 260-266.
- Primrose, AP. (1999). Synthesis and use of phosphazene host compounds. PhD, The Pennsylvania State University.
- Procyk, AD; Bissell, M; Street Jr, KW; Acree Jr, WE. (1987). Solubility in Binary Solvent Systems: 8. Estimation of Binary Alkane plus p-Dioxane Solvent Nonideality from Measured Anthracene Solubilities. *J Pharm Sci.* 76: 621-625.
- Prodanovic, O; Prokopijevic, M; Spasojevic, D; Stojanovic, Z; Radotic, K; Knezevic-Jugovic, ZD; Prodanovic, R. (2012). Improved Covalent Immobilization of Horseradish Peroxidase on Macroporous Glycidyl Methacrylate-Based Copolymers. *Appl Biochem Biotechnol.* 168: 1288-1301.
- Prodanovic, R; Milosavic, N; Jovanovic, S; Prodanovic, O; Velickovic, TC; Vujcic, Z; Jankov, RM. (2006). Activity and stability of soluble and immobilized alpha-glucosidase from baker's yeast in cosolvent systems. *Biocatalysis and Biotransformation.* 24: 195-200.
- Prokopciva, H; Ramirez, J; Fernandez, E; Kappe, CO. (2008). Microwave-assisted one-pot diboration/Suzuki cross-couplings. A rapid route to tetrasubstituted alkenes. *Tetrahedron Letters.* 49: 4831-4835.
- Prokopenko, LG; Konoplya, AI. (1982). Effect of carbon tetrachloride on immunostimulant factor formation by animal splenocytes. *FARMAKOL TOKSIKOL.* 45: 61-65.
- Prokopijevic, M; Prodanovic, O; Spasojevic, D; Stojanovic, Z; Radotic, K; Prodanovic, R. (2014). Soybean hull peroxidase immobilization on macroporous glycidyl methacrylates with different surface characteristics. *Bioprocess Biosyst Eng.* 37: 799-804.
- Provan, GJ; Scobbie, L; Chesson, A. Determination of phenolic acids in plant cell walls by microwave digestion. *J Sci Food Agric.* 1994. v. 64 (1): 63-65.
- Prozil, SO; Evtuguin, DV; Silva, AMS; Lopes, LPC. (2014). Structural Characterization of Lignin from Grape Stalks (*Vitis vinifera* L.). *J Agric Food Chem.* 62: 5420-5428.
- Pruitt, DG; Baumann, SM; Place, GJ; Oyeamalu, AN; Sinn, E; Jelliss, PA. (2015). Synthesis and functionalization of nitrosyl rhenacarboranes towards their use as drug delivery vehicles. *Journal of Organometallic Chemistry.* 798, Part 1: 60-69.
- Pugazhendi, A; Rajesh Banu, J; Dhavamani, J; Yeom, IT. (2015). Biodegradation of 1,4-dioxane by *Rhodanobacter* AYS5 and the role of additional substrates. *Annals of microbiology.* 65: 2201-2208.
- Pugsley, TA; Lippmann, W. (1976). Effects of pyrooxan and chlordiazepoxide on biogenic amine metabolism in the rat brain. *Psychopharmacology.* 50: 113-118.
- Pulat, M; Aslim, B. (2006). The release of bovine serum albumin from polyurethane based hydrophilic and hydrophobic disks and microbiological interactions. *Biomed Mater Eng.* 16: 147-156.
- Pulatov, BK; Abduazimov, KA. Dioxane lignin of the stems of the cotton plant of variety Tashkent 1 wholly affected by wilt. *Chemistry of Natural Compounds.* July/Aug 1983 (pub. 1984). v. 19 (4): 517-518.
- Punnen, S; Urbanski, R; Krieger, AJ; Sapru, HN. (1987). Ventrolateral medullary pressor area: site of hypotensive action of clonidine. *Brain Res.* 422: 336-346.
- Pusch, W; Yu, YL; Zheng, LY. (1989). Solute-solute and solute-membrane interactions in hyperfiltration of binary and ternary aqueous organic feed solutions. *Desalination.* 75: 3-14.

Environmental Hazard Literature Search Results

Off Topic

- Pustyl'nyak, V; Yarushkin, A; Kachaylo, E; Slynko, N; Lyakhovich, V; Gulyaeva, L. (2011). Effect of several analogs of 2,4,6-triphenyldioxane-1,3 on constitutive androstane receptor activation. *Chem Biol Interact.* 192: 177-183.
- Pustyl'nyak, VO; Cirulli, V; Jervazi, PJ; Yaroslavtsev, D; Gulyaeva, LF; Lyakhovich, VV. (2006). Effect of triphenyldioxane on phase I xenobiotic metabolism enzymes in the liver of rats and rabbits. *Bull Exp Biol Med.* 141: 698-700.
- Pustyl'nyak, VO; Gulyaeva, LF; Lyakhovich, VV. (2005). CAR expression and inducibility of CYP2B genes in liver of rats treated with PB-like inducers. *Toxicology.* 216: 147-153.
- Pustyl'nyak, VO; Lebedev, AN; Gulyaeva, LF; Lyakhovich, VV; Slynko, NM. (2007). Comparative study of CYP2B induction in the liver of rats and mice by different compounds. *Life Sci.* 80: 324-328.
- Pustyl'nyak, VO; Zacharova, LY; Gulyaeva, LF; Lyakhovich, VV; Slynko, NM. (2004). Dynamics of DNA-protein complex formation in rat liver during induction by phenobarbital and triphenyldioxane. *Biochemistry Biokhimii* 69: 1109-1113.
- Pustyl'nyak, VO; Zakharova, LY; Mikhailova, ON; Rice, RH; Gulyaeva, LF; Lyakhovich, VV. (2005). In vivo effects of protein kinase and phosphatase inhibitors on CYP2B induction in rat liver. *Toxicology.* 207: 315-322.
- Qi, CR; Huang, LB; Jiang, HF. (2010). Efficient Synthesis of beta-Oxoalkyl Carbamates from Carbon Dioxide, Internal Propargylic Alcohols, and Secondary Amines Catalyzed by Silver Salts and DBU. *Synthesis-Stuttgart* 1433-1440.
- Qian, B; You, QD. (2012). A convenient and efficient method for the synthesis of 2-hydroxy glycals. *Tetrahedron Letters.* 53: 3750-3753.
- Qiao, ZY; Ji, R; Huang, XN; Du, FS; Zhang, R; Liang, DH; Li, ZC. (2013). Polymersomes from Dual Responsive Block Copolymers: Drug Encapsulation by Heating and Acid-Triggered Release. *Biomacromolecules.* 14: 1555-1563.
- Qin, H; Yamagiwa, N; Matsunaga, S; Shibasaki, M. (2006). Bismuth-catalyzed intermolecular hydroamination of 1,3-dienes with carbamates, sulfonamides, and carboxamides. *J Am Chem Soc.* 128: 1611-1614.
- Qin, LJ; Cui, HM; Zou, DP; Li, JY; Wu, YJ; Zhu, ZW; Wu, YS. (2010). Pd-catalyzed amidation of aryl(Het) halides with tert-butyl carbamate. *Tetrahedron Letters.* 51: 4445-4448.
- Qin, X; Chen, W-J; Zhang, Y-Q; Zhu, Q-J; Xue, S-F; Tao, Z. (2011). Crystal structures of supramolecular assemblies based on a para-dicyclohexanocucurbit[6]uril with metal ions. *Journal of molecular structure.* 996: 12-16.
- Qin, Z; Ma, R; Xu, S; He, Z. (2013). Phosphine-catalyzed formal vinylogous aldol reaction of β -methyl allenolates with aldehydes: easy access to 1,3-dioxanes and dienols. *Tetrahedron.* 69: 10424-10430.
- Queiroz, M; Calhelha, RC; Kirsch, G. (2007). Reactivity of several deactivated 3-aminobenzo b thiophenes in the Buchwald-Hartwig C-N coupling. Scope and limitations. *Tetrahedron.* 63: 13000-13005.
- Quesada-Medina, Jn; López-Cremades, FJ; Olivares-Carrillo, P. (2010). Organosolv extraction of lignin from hydrolyzed almond shells and application of the γ -value theory. *Bioresour Technol.* 101: 8252-8260.
- Quintana, J; Vegue, L; Martin-Alonso, J; Paraira, M; Boleda, MR; Ventura, F. (2016). Odor Events in Surface and Treated Water: The Case of 1,3-Dioxane Related Compounds. *Environmental Science & Technology.* 50: 62-69.
- Rajcz, DV; Nagy, Ms; Mándi, A; Zsuga, Ms; Káki, Sn. (2013). Solvatochromic properties of a new isocyanonaphthalene based fluorophore. *Journal of Photochemistry & Photobiology, A: Chemistry.* 270: 19-27.
- Rühlmann, K; Brumme, J; Scheim, U; Grosse-Ruyken, H. (1985). Zur synthese von siloxanen: I. Die hydrolyse von chlorsiloxanen. *Journal of Organometallic Chemistry.* 291: 165-178.
- Rühlmann, K; Grosse-Ruyken, H; Scheller, D; Scheim, U. (1988). Zur synthese von siloxanen: XIV. Die umsetzung von chlorsilanen mit silanolen im sauren medium. *Journal of Organometallic Chemistry.* 356: 39-47.
- Rabe, JA. (1982). INVESTIGATION INTO THE SYNTHESIS AND REACTIVITY OF 2,2-DIORGANO-2-SILA-1,3-DIOXANE-4,6-DIONES. PhD, Michigan State University.
- Rachipudi, PS; Kittur, AA; Sajjan, AM; Kamble, RR; Kariduraganavar, MY. (2013). Solving the trade-off phenomenon in separation of water-dioxan mixtures by pervaporation through crosslinked sodium alginate membranes with polystyrene sulfonic acid-co-maleic acid. *Chem Eng Sci.* 94: 84-92.
- Rachofsky, EL; Osman, R; Ross, JBA. (2001). Probing structure and dynamics of DNA with 2-aminopurine: Effects of local environment on fluorescence. *Biochemistry.* 40: 946-956.
- Radak, BB; Petkovska, MT; Trtica, MS; Miljanic, SS; Petkovska, LT. (2004). Photoacoustic study of CO₂-laser coincidences with absorption of some organic solvent vapours. *Anal Chim Acta.* 505: 67-71.
- Radha Krishna, P; Srinivas, R. (2007). Stereoselective synthesis of (6S)-5,6-dihydro-6-[(2R)-2-hydroxy-6-phenylhexyl]-2H-pyran-2-one. *Tetrahedron: Asymmetry.* 18: 2197-2200.
- Radhakrishnamurti, PS; Patro, PC. (1970). Solvent effects in the hydrolysis of diethyl malonate. *Tetrahedron.* 26: 5503-5505.
- Radl, S; Stach, J; Hajicek, J. (2002). An improved synthesis of 1,1-dimethylethyl 6-cyanomethyl-2,2-dimethyl-1,3-dioxane-4-acetate, a key intermediate for atorvastatin synthesis. *Tetrahedron Letters.* 43: 2087-2090.
- Raffa, RB; Orr, N; Connelly, CD; Hollingworth, RM. (1991). XAMI and DCDM, agonists at cAMP-associated octopamine receptors in cockroach nerve cord, produce centrally mediated antinociception in mice. *Brain Res.* 559: 211-219.
- Raghavan, S; Rasheed, MA. (2003). Sulfinyl moiety as an internal nucleophile. Part 6: Stereospecific synthesis of 3-amino-2-hydroxy-4-phenylbutanoate. *Tetrahedron: Asymmetry.* 14: 1371-1374.
- Ragno, G; Spauwen, PH; de, LWA; Hartman, EH. (1990). Octyl-2-cyanoacrylate tissue glue (Dermabond) versus Monocryl 6 x 0 Sutures in lip closure. *Farmaco (Società)* 43: 625-627.
- Rajesh, S; Senthilkumar, S; Jayalakshmi, A; Nirmala, MT; Ismail, AF; Mohan, D. (2013). Preparation and performance evaluation of poly (amide-imide) and TiO₂, nanoparticles impregnated polysulfone nanofiltration membranes in the removal of humic substances. *Colloids and surfaces.* 418: 92-104.

Environmental Hazard Literature Search Results

Off Topic

- Rajeswaran, WG; Labroo, RB; Cohen, LA; King, MM. (1999). Synthesis of 5- (indol-2-on-3-yl)methyl -2,2-dimethyl-1,3-dioxane-4,6-diones and spirocyclopropyloxindole derivatives. Potential aldose reductase inhibitors. *J Org Chem.* 64: 1369-1371.
- Rajopadhye, M; Popp, FD. (1988). Potential anticonvulsants. 11. Synthesis and anticonvulsant activity of spiro[1,3-dioxolane-2,3'-indolin]-2'-ones and structural analogues. *J Med Chem.* 31: 1001-1005.
- Raju, A; Shiva Raju, K; Sabitha, G. (2015). Stereoselective total synthesis of cryptomoscatone E1. *Tetrahedron: Asymmetry.* 26: 948-951.
- Raju, S; Naik, KBK; Kumar, BA; Rao, GN. (2012). Speciation of complexes of Co (II), Ni (II) and Cu (II) with L-histidine in dioxan-water mixtures. *Chem Speciation Bioavailability.* 24: 46-52.
- Rakshit, S; Saha, R; Verma, PK; Pal, SK. (2012). Role of Solvation Dynamics in Excited State Proton Transfer of 1-Naphthol in Nanoscopic Water Clusters Formed in a Hydrophobic Solvent. *Photochem Photobiol.* 88: 851-859.
- Ramalingam, S; Rajendran, S; Ganesan, P. (2016). Improving the performance is better and emission reductions from Annona biodiesel operated diesel engine using 1,4-dioxane fuel additive. *Fuel.* 185: 804-809.
- Ramarao, C; Nandipati, R; Navakoti, R; Kottamasu, R. (2012). Synthesis and use of chiral substituted benzenes containing 1,2-diols protected as cyclic acetals. *Tetrahedron Letters.* 53: 637-640.
- Rambabu, D; Bhavani, S; Nalivela, KS; Mukherjee, S; Rao, MVB; Pal, M. (2013). Pd/C-Cu mediated direct and one-pot synthesis of gamma-ylidene butenolides. *Tetrahedron Letters.* 54: 2151-2155.
- Rambabu, D; Kumar, GP; Kumar, BD; Kapavarapu, R; Rao, MVB; Pal, M. (2013). Pd/C-mediated synthesis of (Z)-3-alkylidene-phthalides of potential pharmacological interest. *Tetrahedron Letters.* 54: 2989-2995.
- Ramdayal, FD; Kiemle, DJ; LaLonde, RT. (1999). Directed, DDQ-promoted benzylic oxygenations of tetrahydronaphthalenes. *J Org Chem.* 64: 4607-4609.
- Ramesh, P; Raju, A; Fadnavis, NW. (2015). Total synthesis of cryptomoscatone F1 through an asymmetric aldol approach. *Tetrahedron: Asymmetry.* 26: 1251-1255.
- Ramos, LP; Mathias, AL; Silva, FT; Cotrim, AR; Ferraz, AL; Chen, CL. (1999). Characterization of residual lignin after SO₂-catalyzed steam explosion and enzymatic hydrolysis of Eucalyptus viminalis wood chips. *J Agric Food Chem.* 47: 2295-2302.
- Rana, SVS; Tayal, MK. (1981). Influence of Zinc, Vitamin B sub(12) and Glutathione on the Liver of Rats Exposed to Carbon Tetrachloride. *INDUST HEALTH.* 19: 65-69.
- Randazzo, J; Jacob Morris, J; Rood, JA; Noll, BC; Henderson, KW. (2008). Lithium-mediated ring opening of 1,4-dioxane and structural characterization of a Li₁₂O₁₂ truncated octahedron. *Inorganic Chemistry Communications.* 11: 1270-1272.
- Ranjana, DN; Huidrom, B; Rajmuhon, SN. (2012). Studies on the complexation of Pr(III) and Nd(III) with glycyl-glycine (gly-gly) using spectral analysis of 4f-4f transitions and potentiometric titrations. *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy.* 96: 370-379.
- Raposo, MMM; Castro, MCR; Fonseca, AMC; Schellenberg, P; Belsley, M. (2011). Design, synthesis, and characterization of the electrochemical, nonlinear optical properties, and theoretical studies of novel thienylpyrrole azo dyes bearing benzothiazole acceptor groups. *Tetrahedron.* 67: 5189-5198.
- Raquez, JM; Mincheva, R; Coulembier, O; Dubois, P; Müller, M. (2012). 4.31 - Ring-Opening Polymerization of Cyclic Esters: Industrial Synthesis, Properties, Applications, and Perspectives A2 - Matyjaszewski, Krzysztof. *Polymer Science: A Comprehensive Reference* Amsterdam 761-778.
- Rasmussen, SGF; Carroll, FI; Maresch, MJ; Jensen, AD; Tate, CG; Gether, U. (2001). Biophysical characterization of the cocaine binding pocket in the serotonin transporter using a fluorescent cocaine analogue as a molecular reporter. *J Biol Chem.* 276: 4717-4723.
- Raus, Vr; Ā... turcovĀĵĀj, A; Dybal, JĀ; Ā... louf, M; VackovĀĵi, TĀn; Ā... ĀĴĀĵlek, P; Kobera, L; VIĀ ek, P. (2012). Activation of cellulose by 1,4-dioxane for dissolution in N,N-dimethylacetamide/LiCl. *Cellulose.* 19: 1893-1906.
- Ravelli, D; Protti, S; Fagnoni, M. (2016). Decatungstate Anion for Photocatalyzed "Window Ledge" Reactions. *Acc Chem Res.* 49: 2232-2242.
- Read, RW; Zhang, C. (2003). Synthesis of fluorous acetal derivatives of aldehydes and ketones. *Tetrahedron Letters.* 44: 7045-7047.
- Reavill, C; Hatcher, JP; Lewis, VA; Sanger, GJ; Hagan, J. (1998). 5-HT(4) receptor antagonism does not affect motor and reward mechanisms in the rat. *Eur J Pharmacol.* 357: 115-120.
- Reck, F; Alm, RA; Brassil, P; Newman, JV; Ciaccio, P; McNulty, J; Barthlow, H; Goteti, K; Breen, J; Comita-Prevoir, J; Cronin, M; Ehmann, DE; Geng, B; Godfrey, AA; Fisher, SL. (2012). Novel N-linked aminopiperidine inhibitors of bacterial topoisomerase type II with reduced pK(a): antibacterial agents with an improved safety profile. *J Med Chem.* 55: 6916-6933.
- Reckenthaler, M; Neudorfl, JM; Zorlu, E; Griesbeck, AG. (2016). Combined Photoredox and Lewis Acid Catalyzed alpha-Hydroxyalkylation of Cyclic Ethers with Aromatic Ketones. *J Org Chem.* 81: 7211-7216.
- Reddy, LR; Das, SG; Liu, YG; Prashad, M. (2010). A Facile Asymmetric Synthesis of Either Enantiomer of 2-Substituted Pyrrolidines. *J Org Chem.* 75: 2236-2246.
- Redfern, WS; Williams, A. (1995). A re-evaluation of the role of alpha 2-adrenoceptors in the anxiogenic effects of yohimbine, using the selective antagonist delequamine in the rat. *Br J Pharmacol.* 116: 2081-2089.
- Regan, T; Lawrence, N. (2013). Comparison of poliglecaprone-25 and polyglactin-910 in cutaneous surgery. *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al].* 39: 1340-1344.
- Regnier-Delplace, C; du Boullay, OT; Siepmann, F; Martin-Vaca, B; Demonchaux, P; Jentzer, O; Danede, F; Descamps, M; Siepmann, J; Bourissou, D. (2013). PLGAs bearing carboxylated side chains: Novel matrix formers with improved properties for controlled drug delivery. *J Control Release.* 166: 256-267.
- Reichert, D; Groger, S; Hackel, C. (2017). New insights into the interaction of proteins and disaccharides-The effect of pH and concentration. *Biopolymers.* 107: 39-45.

Environmental Hazard Literature Search Results

Off Topic

- Reid, ID. Intermediates and products of synthetic lignin (dehydrogenative polymerizate) degradation by *Phlebia tremellosa*. *Appl Environ Microbiol.* Oct 1991. v. 57 (10): 2834-2840.
- Reillo, A; Bustamante, P; Escalera, B; Jimenez, MM; Selles, E. (1995). SOLUBILITY PARAMETER-BASED METHODS FOR PREDICTING THE SOLUBILITY OF SULFAPYRIDINE IN SOLVENT MIXTURES. *Drug Dev Ind Pharm.* 21: 2073-2084.
- Reisner, AH; Bucholtz, CA. (1980). A physical study of the ovine genome. *Biochimica et Biophysica Acta (BBA) - Nucleic Acids and Protein Synthesis.* 609: 97-106.
- Rekha, P; Mouli, BC; Kumari, SGV; Indumathi, C; Mithyantha, MS. (2006). Studies on the identification of suitable solvents for microbial bioassay. *Current Science.* 90: 1663-1667.
- Rencoret, J; Prinsen, P; Gutierrez, A; Martinez, AT; del Rio, JC. (2015). Isolation and Structural Characterization of the Milled Wood Lignin, Dioxane Lignin, and Cellulolytic Lignin Preparations from Brewer's Spent Grain. *J Agric Food Chem.* 63: 603-613.
- Restivo, L; Roman, F; Dumuis, A; Bockaert, J; Marchetti, E; Ammassari-Teule, M. (2008). The promnesic effect of G-protein-coupled 5-HT4 receptors activation is mediated by a potentiation of learning-induced spine growth in the mouse hippocampus. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology.* 33: 2427-2434.
- Reyman, D; Tapia, MJ; Carcedo, C; Vinas, MH. (2003). Photophysical properties of methyl beta-carboline-3-carboxylate mediated by hydrogen-bonded complexes - a comparative study in different solvents. *Biophysical Chemistry.* 104: 683-696.
- Ribeiro, DS; Rittner, R. (2003). The role of hyperconjugation in the conformational analysis of methylcyclohexane and methylheterocyclohexanes. *J Org Chem.* 68: 6780-6787.
- Rice, JE; He, ZM. (1990). Preparation of 4-fluorobenzo(j)fluoranthene and 10-fluorobenzo(j)fluoranthene via cyclodehydration of acetals and cyclopropanecarboxaldehydes. *J Org Chem.* 55: 5490-5494.
- Richter-Levin, G; Segal, M; Sara, S. (1991). An alpha 2 antagonist, idazoxan, enhances EPSP-spike coupling in the rat dentate gyrus. *Brain Res.* 540: 291-294.
- Riera, A; Peric s, MA; Cabr , F. (1990). Conformational behaviour of trans-2,3-bis(r-thio)-1,4-dioxanes. *Tetrahedron Letters.* 31: 2755-2758.
- Rinaldi, D; Hamaide, T; Graillat, C; D'Agosto, F; Spitz, R; Georges, Sb; Mosquet, M; Maitrasse, P. (2009). RAFT copolymerization of methacrylic acid and poly(ethylene glycol) methyl ether methacrylate in the presence of a hydrophobic chain transfer agent in organic solution and in water. *Journal of polymer science.* 47: 3045-3055.
- Rios-Lombardia, N; Busto, E; Gotor-Fernandez, V; Gotor, V. (2011). Chemoenzymatic Asymmetric Synthesis of Optically Active Pentane-1,5-diamine Fragments by Means of Lipase-Catalyzed Desymmetrization Transformations. *J Org Chem.* 76: 5709-5718.
- Ritchie, GLD; Vrbancich, J. (1982). Solution-state conformations of 1,3,5-triphenylbenzene, triphenyl-s-triazine and tri(2-pyridinyl)-s-triazine; A Kerr and Cotton-mouton effect study. *Journal of Molecular Structure.* 78: 279-288.
- Ritter, LS; Meurer, EC; Handberg, ES; Laughlin, BC; Chen, H; Patterson, GE; Eberlin, MN; Cooks, RG. (2003). Ion/molecule reactions performed in a miniature cylindrical ion trap mass spectrometer. *Analyst.* 128: 1112-1118.
- Ro, AJ; Falotico, R; Dave, V. (2011). Microstructure and drug-release studies of sirolimus-containing poly(lactide-co-glycolide) films. *Journal of Biomedical Materials Research Part B-Applied Biomaterials.* 97B: 30-39.
- Roberts, BP; Smits, TM. (2001). Regioselectivity in the ring opening of 2-phenyl-1,3-dioxan-2-yl radicals derived from cyclic benzylidene acetals and comparison with deoxygenation of a carbohydrate diol via its cyclic thionocarbonate. *Tetrahedron Letters.* 42: 3663-3666.
- Robinson, TV; Taylor, DK; Tiekink, ERT. (2006). Osmium catalyzed dihydroxylation of 1,2-dioxines: A new entry for stereoselective sugar synthesis. *J Org Chem.* 71: 7236-7244.
- Rocoboy, C; Hampel, F; Gladysz, JA. (2002). Syntheses and reactivities of disubstituted and trisubstituted fluororous pyridines with high fluororous phase affinities: Solid state, liquid crystal, and ionic liquid-phase properties. *J Org Chem.* 67: 6863-6870.
- Rocha, SM; Goodfellow, BJ; Delgadillo, I; Neto, CP; Gil, AM. (2001). Enzymatic isolation and structural characterisation of polymeric suberin of cork from *Quercus suber* L. *Int J Biol Macromol.* 28: 107-119.
- Rodney, RL; Stagno, JL; Beckman, EJ; Russell, AJ. (1999). Enzymatic synthesis of carbonate monomers and polycarbonates. *Biotechnol Bioeng.* 62: 259-266.
- Rodr guez-Maseda, H; Musto, H. (1994). The compositional compartments of the nuclear genomes of *Trypanosoma brucei* and *T. cruzi*. *Gene.* 151: 221-224.
- Rodrigues, RC; Bolivar, JM; Palau-Ors, A; Volpato, G; Ayub, MAZ; Fernandez-Lafuente, R; Guisan, JM. (2009). Positive effects of the multipoint covalent immobilization in the reactivation of partially inactivated derivatives of lipase from *Thermomyces lanuginosus*. *Enzyme Microb Technol.* 44: 386-393.
- Rodriguez-Vazquez, R; Areyzaga, M; Parada, A; Rios-Leal, E; Anguis-Terrazas, C. Isolation and characterization of lignin from rice hull. *J Sci Food Agric.* 1993. v. 62 (1): 101-104.
- Roedig, A; G pfert, H. (1982). Reaktionen von Z,Z-1,2,3,4-tetrachlor-1,3-butadien-1-carbonitril mit thiolaten. *Tetrahedron.* 38: 131-132.
- Rogatchov, VO; Filimonov, VD; Yusubov, MS. (2001). A novel practical reaction of diarylalkynes with sulfur trioxide: Oxidation to 1,2-diketones. *Synthesis-Stuttgart*1001-1003.
- Rojewski, M; Fekete, N; Menard, C; Deak, E; Tarte, K; Rasche, V; Landfester, K; Schrezenmeier, H; Brown, MJ; Harland, D. (2011). B-HT 958 lowers blood pressure and heart rate in the rat through stimulation of dopamine receptors. *Cytotherapy.* 13: 962-975.
- Rolsten, RF. (1955). A STUDY OF THE ADDITION COMPOUNDS OF TITANIUM-TETRABROMIDE AND TITANIUM-TETRAIODIDE WITH 1,4-DIOXANE, TETRAHYDROFURAN, AND TETRAHYDROPYRAN. PhD, The Ohio State University.
- Romano, A; Gandolfi, R; Molinari, F; Converti, A; Zilli, M; Del Borghi, M. (2005). Esterification of phenylacetic and 2-phenylpropionic acids by mycelium-bound carboxylesterases. *Enzyme Microb Technol.* 36: 432-438.

Environmental Hazard Literature Search Results

Off Topic

- Rombouts, FJR; Fridkin, G; Lubell, WD. (2005). Deazapurine solid-phase synthesis: Construction of 3-substituted pyrrolo 3,2-d pyrimidine-6-carboxylates on cross-linked polystyrene bearing a cysteamine linker. *J Comb Chem.* 7: 589-598.
- Romero, O; Guisn, JM; Illanes, As; Wilson, L. (2012). Reactivation of penicillin acylase biocatalysts: Effect of the intensity of enzyme support attachment and enzyme load. *Journal of molecular catalysis.* 74: 224-229.
- Romero, O; Vergara, J; Fernandez-Lafuente, R; Guisan, JM; Illanes, A; Wilson, L. (2009). Simple Strategy of Reactivation of a Partially Inactivated Penicillin G Acylase Biocatalyst in Organic Solvent and its Impact on the Synthesis of beta-Lactam Antibiotics. *Biotechnol Bioeng.* 103: 472-479.
- Romero, S; Bustamante, P; Escalera, B; Mura, P; Cirri, M. (2004). Influence of solvent composition on the solid phase at equilibrium with saturated solutions of quinolones in different solvent mixtures. *J Pharm Biomed Anal.* 35: 715-726.
- Romero, S; Reillo, A; Escalera, B; Bustamante, P. (1996). The behavior of paracetamol in mixtures of amphiprotic and amphiprotic-aprotic solvents. Relationship of solubility curves to specific and nonspecific interactions. *Chemical & Pharmaceutical Bulletin.* 44: 1061-1064.
- Romero-Ale, EE; Olives, Al; Martin, MA; del Castillo, B; Lopez-Alvarado, P; Menendez, JC. (2005). Environmental effects on the fluorescence behaviour of carbazole derivatization reagents. *Luminescence.* 20: 162-169.
- Rondestedt, CS. (1948). THE MECHANISM OF SULFONATION OF STYRENE BY DIOXANE-SULFOTRIOXIDE. PhD, Northwestern University.
- Rong, JX; Blachford, C; Feig, JE; Bander, I; Mayne, J; Kusunoki, J; Miller, C; Davis, M; Wilson, M; Dehn, S; Thorp, E; Tabas, I; Taubman, MB; Rudel, LL; Fisher, EA. (2013). ACAT inhibition reduces the progression of preexisting, advanced atherosclerotic mouse lesions without plaque or systemic toxicity. *Arteriosclerosis, thrombosis, and vascular biology.* 33: 4-12.
- Rood, JA; Noll, BC; Henderson, KW. (2006). Cyclic ether fragmentation and identification of a quadruple open cubane motif for hexametallic aggregates. *Inorganic Chemistry Communications.* 9: 1129-1132.
- Rosales, M; Gonzlez, A; Gonzlez, Bz; Moratinos, C; Prez, H; Urdaneta, Jn; Snchez-Delgado, RA. (2005). Hydroformylation of alkenes with paraformaldehyde catalyzed by rhodium phosphine complexes. *Journal of Organometallic Chemistry.* 690: 3095-3098.
- Rosenkranz, HS; Klopman, G. (1990). The structural basis of the mutagenicity of chemicals in Salmonella typhimurium: The National Toxicology Program data base. *Mutat Res.* 228: 51-80.
- Rosenkranz, HS; Klopman, G. (1992). 1,4-Dioxane: Prediction of in vivo clastogenicity. *Mutat Res.* 280: 245-251.
- Rosenkranz, HS; Klopman, G. (1993). Structural relationships between mutagenicity, maximum tolerated dose, and carcinogenicity in rodents. *Environ Mol Mutagen.* 21: 193-206.
- Ross, NA; Bartsch, RA. (2003). High-intensity ultrasound-promoted Reformatsky reactions. *J Org Chem.* 68: 360-366.
- Ross, NA; MacGregor, RR; Bartsch, RA. (2004). Synthesis of beta-lactams and beta-aminoesters via high intensity ultrasound-promoted Reformatsky reactions. *Tetrahedron.* 60: 2035-2041.
- Roth, SA. (1982). INVESTIGATIONS INTO THE MECHANISM OF CARBON MONOXIDE HYDROGENATION IN SLURRIED FISCHER-TROPSCH CATALYSIS AND HOMOGENEOUS CATALYTIC METHANOL HOMOLOGATION. PhD, University of Illinois at Urbana-Champaign.
- Rotzoll, S; Reinke, H; Fischer, C; Langer, P. (2009). Synthesis of Novel Halogenated 4(1H)-Quinolones by Thermolysis of Arylaminoethylene-1,3-dioxane-4,6-diones. *Synthesis-Stuttgart*69-78.
- Rougier, NM; Cruickshank, DL; Vico, RV; Bourne, SA; Caira, MR; Bujan, El; de Rossi, RH. (2011). Effect of cyclodextrins on the reactivity of fenitrothion. *Carbohydr Res.* 346: 322-327.
- Rougier, NM; Vico, RV; de Rossi, RH; Bujan, El. (2010). Reactivity of the Insecticide Fenitrothion toward O and N Nucleophiles. *J Org Chem.* 75: 3427-3436.
- Routledge, C; Marsden, CA. (1987). Adrenaline in the CNS: in vivo evidence for a functional pathway innervating the hypothalamus. *Neuropharmacology.* 26: 823-830.
- Roviello, A; Borbone, F; Carella, A; Diana, R; Roviello, G; Panunzi, B; Ambrosio, A; Maddalena, P. (2009). High quantum yield photoluminescence of new polyamides containing oligo-PPV amino derivatives and related oligomers. *Journal of polymer science.* 47: 2677-2689.
- Roy, AK; Sen, SK; Bag, SC. Studies on the chemical nature of dioxane acidolysis lignin of jute stick. *Tappi Journal.* Nov 1988. v. 71 (11): 160-163.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1994). Biodegradation of dioxane and diglyme in industrial waste. *Journal of Environmental Science and Health, Part A: Environmental Science and Engineering & Toxic and Hazardous Substance Control.* A29: 129-147.
- Roy, D; Anagnostu, G; Chaphalkar, P. (1995). Analysis of respirometric data to obtain kinetic coefficients for biodegradation of 1,4-dioxane. *Journal Of Environmental Science And Health Part A Environmental Science And Engineering & Toxic And Hazardous Substance Control.* 30: 1775-1790.
- Roy, I; Gupta, MN. (2003). pH-responsive polymer-assisted refolding of urea- and organic solvent-denatured alpha-chymotrypsin. *Protein Engineering.* 16: 1153-1157.
- Roy, JW; Bickerton, G. (2010). Proactive Screening Approach for Detecting Groundwater Contaminants along Urban Streams at the Reach-Scale. *Environmental Science & Technology.* 44: 6088-6094.
- Roy, SK; Thilagar, AK; Eastmond, DA. (2005). Chromosome breakage is primarily responsible for the micronuclei induced by 1,4-dioxane in the bone marrow and liver of young CD-1 mice. *Mutation Research-Genetic Toxicology and Environmental Mutagenesis.* 586: 28-37.
- Rozin, Y; Zhidovinov, S; Beryozkina, T; Shafran, Y; Lubec, G; Eltsov, O; Slepukhin, P; Knippschild, U; Bischof, J; Dehaen, W; Bakulev, V. (2015). A novel transformation of beta-1,2,3-thiadiazol-5-yl enamines into thieno 2,3-d pyridazines. *Tetrahedron Letters.* 56: 1545-1547.
- Ruckenstein, E; Shulgin, I. (2003). Solubility of drugs in aqueous solutions - Part 2: Binary nonideal mixed solvent. *Int J Pharm.* 260: 283-291.
- Ruckenstein, E; Shulgin, I. (2003). Solubility of drugs in aqueous solutions Part 1. Ideal mixed solvent approximation. *Int J Pharm.* 258: 193-201.
- Rudling, J. (1988). Multicomponent adsorption isotherms for determination of recoveries in liquid desorption of mixtures of polar solvents adsorbed on activated carbon. *Am Ind Hyg Assoc J.* 49: 95-100.

Environmental Hazard Literature Search Results

Off Topic

- Ruggiero, F; Netti, PA; Torino, E. (2000). Experimental Investigation and Thermodynamic Assessment of Phase Equilibria in the PLLA/Dioxane/Water Ternary System for Applications in the Biomedical Field. *Langmuir : the ACS journal of surfaces and colloids*. 31: 13003-13010.
- Rui, H; Wang, XL; Wang, YZ; Yang, KK; Zeng, HB; Ding, SD. (2006). A study on grafting poly(1,4-dioxan-2-one) onto starch via 2,4-tolylene diisocyanate. *Carbohydr Polymer*. 65: 28-34.
- Ruiz, dEMC; Coen, CW. (1990). Centrally administered neuropeptide Y enhances the hypothermia induced by peripheral administration of adrenoceptor antagonists. *Peptides*. 11: 963-967.
- Ruiz, DM; De Castro, RE. (2007). Effect of organic solvents on the activity and stability of an extracellular protease secreted by the haloalkaliphilic archaeon *Natrialba magadii*. *Journal of Industrial Microbiology & Biotechnology*. 34: 111-115.
- Rump, LC; Schuster, MJ; Wilde, K; Schollmeyer, P. (1990). Modulation of noradrenaline release from rat cortical kidney slices: effects of angiotensin I and II. *Br J Clin Pharmacol*. 30 Suppl 1: 168S-170S.
- Runk, A; Allen, SW; Mahaffey, EA. (1990). Tissue reactivity to poliglecaprone 25 in the feline linea alba. *Veterinary surgery : VS*. 28: 466-471.
- Rupar, PA; Bandyopadhyay, R; Cooper, BFT; Stinchcombe, MR; Ragogna, PJ; Macdonald, CLB; Baines, KM. (2009). Cationic Crown Ether Complexes of Germanium(II). *Angewandte Chemie-International Edition*. 48: 5155-5158.
- Russo, A; Botta, G; Lattanzi, A. (2007). Highly stereoselective direct aldol reactions catalyzed by (S)-NOBIN-L-prolinamide. *Tetrahedron*. 63: 11886-11892.
- Rychnovsky, SD; Buckmelter, AJ; Dahanukar, VH; Skalitzy, DJ. (1999). Synthesis, equilibration, and coupling of 4-lithio-1,3-dioxanes: Synthons for syn- and anti-1,3-diols. *J Org Chem*. 64: 6849-6860.
- Rychnovsky, SD; Fryszman, O; Khire, UR. (1999). Convergent synthesis of a polyol chain with 4-acetoxy-1,3-dioxanes using a 1,1-bis(trimethylsilyl)methyl)ethene linchpin. *Tetrahedron Letters*. 40: 41-44.
- Rychnovsky, SD; Plzak, K; Pickering, D. (1994). Reductive lithiation of alkyl 2-thiopyridyl ethers to generate optically pure $\hat{\pm}$ -alkoxylithium reagents. *Tetrahedron Letters*. 35: 6799-6802.
- Rychnovsky, SD; Sinz, CJ. (1998). Diastereoselective synthesis of polypropionates: Cationic couplings of 4-acetoxy-1,3-dioxanes with crotyl-metal reagents. *Tetrahedron Letters*. 39: 6811-6814.
- Rychnovsky, SD; Swenson, SS. (1997). Tandem radical nitrile transfer-cyclization reactions of 1,3-dioxane-4-nitriles: Synthesis of spirocyclic systems. *Tetrahedron*. 53: 16489-16502.
- Rykowski, A; Branowska, D; Kielak, J. (2000). 1,2,4-triazines in organic synthesis. Part 11 - A novel one-pot synthesis of annulated 2,2'-bipyridine ligands by inverse electron demand Diels-Alder reaction of 5,5'-bi-1,2,4-triazines. *Tetrahedron Letters*. 41: 3657-3659.
- Ryu, K. (1991). Peroxidase catalysis in nonaqueous media. PhD, The University of Iowa.
- Rzayev, ZMO; Tark, M; Uzgiren, A. (2010). Bioengineering functional copolymers. XV. Synthesis and characterization of poly(N-isopropyl acrylamide-co-3,4-dihydro-2H-pyran-alt-maleic anhydride)s and their PEO branched derivatives. *Journal of polymer science*. 48: 4285-4295.
- Sánchez, D; Carneros, Hc; Castro-Alvarez, A; Lecer, E; Planas, F; Vilarrasa, J. Further insights into the organocatalytic reaction of 2,2-dimethyl-1,3-dioxan-5-one with $\hat{\pm}$ -silyloxy aldehydes. *Tetrahedron letters*. 2016.
- Sánchez, VcM; Rebolledo, F; Gotor, V. (1997). Candida antarctica lipase catalyzed resolution of ethyl ($\hat{\pm}$)-3-aminobutyrate. *Tetrahedron: Asymmetry*. 8: 37-40.
- Sárközy, Jn. (1997). Infrared study of the interaction between Lewis bases and surface hydroxyl groups of PtCab-O-Sil. *Journal of Molecular Structure*. 410: 141-144.
- Sabitha, G; Srinivas, C; Maruthi, C; Yadav, JS. (2011). Synthesis of (4R,6S,7R)-7-hydroxy-4,6-dimethyl-3-nonanone and (3R,5S,6R)-6-hydroxy-3,5-dimethyl-2-octanone. *Tetrahedron: Asymmetry*. 22: 2071-2079.
- Sabitha, G; Srinivas, C; Reddy, TR; Yadagiri, K; Yadav, JS. (2011). Synthesis of gingerol and diarylheptanoids. *Tetrahedron: Asymmetry*. 22: 2124-2133.
- Sabitha, G; Yadagiri, K; Bhikshapathi, M; Chandrashekhar, G; Yadav, JS. (2010). Towards the total synthesis of etnangien: synthesis of C32-C42 fragment by using a desymmetrization strategy. *Tetrahedron: Asymmetry*. 21: 2524-2529.
- Sachan, SR; Soman, SD; Agrawal, YK. (1983). A new technique for recovery of Insta-Gel used in tritium counting. *Health Phys*. 44: 570-573.
- Sachdeva, H; Saroj, R; Dwivedi, D. (2014). Nano-ZnO catalyzed multicomponent one-pot synthesis of novel spiro(indoline-pyranodioxine) derivatives. *TheScientificWorldJournal*. 2014: 427195.
- Safarzadeh-Amiri, A; Bolton, JR; Cater, SR. (1997). Ferrioxalate-mediated photodegradation of organic pollutants in contaminated water. *Water Res*. 31: 787-798.
- Sagar, R; Pathak, R; Shaw, AK. (2004). Reinvestigation of the mercuration-demercuration reaction on alkylated glycals: an improved method for the preparation of 2,3-dideoxy-alpha,beta-unsaturated carbohydrate enals. *Carbohydr Res*. 339: 2031-2035.
- Saha, AK. (1986). STUDIES DIRECTED TOWARDS THE TOTAL SYNTHESIS OF IONOMYCIN - SYNTHESIS OF OPTICALLY ACTIVE C17-C22 AND C23-C32 SEGMENTS (ASYMMETRIC EPOXIDATION, GERANIOL, PHASE TRANSFER AGENT, PAYNE REARRANGEMENT, PUMMERER, CARBONS). PhD, University of Michigan.
- Saito, S; Matsuo, M. (1993). The i/o characters related to the cohesive energy of organic chemicals. *Chemosphere*. 27: 851-867.
- Sakaguchi, H; Hamaguchi, A. PHYSIOLOGICAL CHANGES IN THE SERUM AND HEPATOPANCREAS OF YELLOW TAIL INJECTED WITH CARBON TETRACHLORIDE, (IN JAPANESE). BULLETIN OF THE JAPANESE SOCIETY OF SCIENTIFIC FISHERIES, VOL 41, NO 3, P 283-290, MARCH 1975; 2 FIG, 6 TAB, 14 REF.
- Sakaguchi, K; Okada, T; Shinada, T; Ohfune, Y. (2008). Au(I)-catalyzed efficient synthesis of alpha-acyloxy-alpha'-silyl ketones from alpha-acyloxy-alpha-alkynylsilanes. *Tetrahedron Letters*. 49: 25-28.

Environmental Hazard Literature Search Results

Off Topic

- Sakamoto, H; Ishikawa, J; Osuga, H; Doi, K; Wada, H. (2010). Highly silver ion selective fluorescence ionophore: Fluorescent properties of polythiazaalkane derivatives bearing 8-(7-hydroxy-4-methyl)coumarinyl moiety in aqueous solution and in liquid-liquid extraction systems. *Analyst*. 135: 550-558.
- Sakurai, Y; Sakaguchi, S; Ishii, Y. (1999). Carbonylation of terminal alkynes using a multicatalytic system, Pd(II)/chlorohydroquinone/NPMoV, under carbon monoxide and dioxygen. *Tetrahedron Letters*. 40: 1701-1704.
- Sales, CM; Grostern, A; Parales, JV; Parales, RE; Alvarez-Cohen, L. (2013). Oxidation of the Cyclic Ethers 1,4-Dioxane and Tetrahydrofuran by a Monooxygenase in Two Pseudonocardia Species. *Appl Environ Microbiol*. 79: 7702-7708.
- Sales, CM; Mahendra, S; Grostern, A; Parales, RE; Goodwin, LA; Woyke, T; Nolan, M; Lapidus, A; Chertkov, O; Ovchinnikova, G; Sczyrba, A; Alvarez-Cohen, L. (2011). Genome Sequence of the 1,4-Dioxane-Degrading Pseudonocardia dioxanivorans Strain CB1190. *J Bacteriol*. 193: 4549-4550.
- Salinas, Y; Oliart, RM; Ramirez-Lepe, M; Navarro-Ocana, A; Valerio-Alfaro, G. (2007). Synthesis of chiral alpha-hydroxy amides by two sequential enzymatic catalyzed reactions. *Appl Microbiol Biotechnol*. 75: 297-302.
- Sallâ€šs, J; Badia, A. (1994). Selective enrichment with alpha 1A- and alpha 1B-adrenoceptor subtypes in rat brain cortical membranes. *Eur J Pharmacol*. 266: 301-308.
- Salome, C; Schmitt, M; Bourguignon, JJ. (2012). Novel access to 1,4-benzodiazepin-2-ones via the Buchwald reaction and application to the synthesis of novel heterocyclics. *Tetrahedron Letters*. 53: 1033-1035.
- Salomon, CJ; Breuer, E. (1995). Efficient and selective dealkylation of phosphonate diisopropyl esters using Me₃SiBr. *Tetrahedron Letters*. 36: 6759-6760.
- Saloutina, LV; Zapevalov, AY; Kodess, MI; Slepukhin, PA; Saloutin, VI; Chupakhin, ON. (2012). Synthesis of fluorine containing N-heterocycles using oxides of terminal perfluoroolefins and urea. *Journal of Fluorine Chemistry*. 139: 16-22.
- Saloutina, LV; Zapevalov, AY; Saloutin, VI; Slepukhin, PA; Kodess, MI; Chupakhin, ON. (2009). Synthesis of fluorine containing glycolurils and oxazolines from oxides of internal perfluoroolefins. *Journal of Fluorine Chemistry*. 130: 853-860.
- Saloutina, LV; Zapevalov, AY; Saloutin, VI; Slepukhin, PA; Kodess, MI; Kirichenko, VE; Pervova, MG; Chupakhin, ON. (2007). A route to fluorocontaining N,S-heterocycles via octafluoro-2,3-epoxybutane. *Journal of Fluorine Chemistry*. 128: 769-778.
- Samel, ST; Heinrich, A; U, BH; Post, S. (1999). Continuous single-layer anastomoses with monofilament poliglecaprone sutures in abdominal surgery. *The European journal of surgery = Acta chirurgica*. 165: 710-711.
- Sampaio, GMM; Teixeira, AMR; Coutinho, HDM; de Sena Junior, DM; Freire, PTC; Caselli, PES; GusmÃ£o, GOM; Bento, RRF; Silva, LE. (2013). FT-IR and FT-Raman spectroscopies and DFT calculations of 2,2-dimethyl-5-(4H-1,2,4-triazol-4-ylaminomethylene)-1,3-dioxane-4,6-dione monohydrate. *Journal of molecular structure*. 1038: 170-176.
- Sampson, K; Paik, A; Duvall, B; Whalen, DL. (2004). Transition-state effects in acid-catalyzed aryl epoxide hydrolyses. *J Org Chem*. 69: 5204-5211.
- Samy, RN. (1996). Diastereoselective total synthesis of indole alkaloids and asymmetric induction in radical cyclizations. PhD, University of Illinois at Chicago.
- Samzadeh-Kermani, A. (2016). Silver salt catalyzed synthesis of 1,4-oxathian-3-imine derivatives. *Tetrahedron*. 72: 5301-5304.
- Sancenon, F; Martinez-Manez, R; Soto, J. (2001). Colourimetric detection of Hg(2+) by a chromogenic reagent based on methyl orange and open-chain polyazaalkanes. *Tetrahedron Letters*. 42: 4321-4323.
- Sanchez, D; Carneros, H; Castro-Alvarez, A; Llacer, E; Planas, F; Vilarrasa, J. (2016). Further insights into the organocatalytic reaction of 2,2-dimethyl-1,3-dioxan-5-one with alpha-silyloxy aldehydes. *Tetrahedron Letters*. 57: 5254-5258.
- Sanchez, I; Sobrino, M; Pujol, MD. (2004). A novel synthesis of spiro (2,2-dimethyl- 1,3-dioxane)-5,2'-(2',3'-dihydroindole) using S(RN)1 reaction conditions. *Tetrahedron Letters*. 45: 1737-1740.
- Sanchez-Paniagua LÃ³pez, M; LÃ³pez-Cabarcos, E; LÃ³pez-Ruiz, B. (2012). Influence of the host matrix of the enzyme in the performance of amperometric biosensors. *Sensors & Actuators: B*. 171-172: 387-397.
- Sannajust, F; Head, GA. (1994). Rilmenidine-induced hypotension in conscious rabbits involves imidazoline-preferring receptors. *Journal of cardiovascular pharmacology*. 23: 42-50.
- Sano, S; Yokoyama, K; Teranishi, R; Shiro, M; Nagao, Y. (2002). Enantioselective Horner-Wadsworth-Emmons reaction for the asymmetric synthesis of alpha-fluoro-alpha,beta-unsaturated esters. *Tetrahedron Letters*. 43: 281-284.
- Sans, EA. (1981). REACTIONS OF HALOMETHYL TRISUBSTITUTEDSILANES WITH ALKOXIDES. PhD, The Ohio State University.
- Santaniello, E; Ponti, F; Manzocchi, A. (1980). Oxidative decarboxylation of arylacetic acids by means of tetrabutylammonium periodate. *Tetrahedron Letters*. 21: 2655-2656.
- Santos, AM; Vidal, M; Pacheco, Y; Frontera, J; Baez, C; Ornellas, O; Barletta, G; Griebenow, K. (2001). Effect of crown ethers on structure, stability, activity, and enantioselectivity of subtilisin Carlsberg in organic solvents. *Biotechnol Bioeng*. 74: 295-308.
- Sardar, M; Sharma, A; Gupta, MN. (2007). Refolding of a denatured alpha-chymotrypsin and its smart bioconjugate by three-phase partitioning. *Biocatalysis and Biotransformation*. 25: 92-97.
- Sarker, MI; Fan, XT; Liu, LS. (2015). Boron derivatives: As a source of 1-MCP with gradual release. *Sci Hortic (Amsterdam)*. 188: 36-43.
- Sarlo, FD. (1967). The preparation and tautomerism of 3,4-dimethyl-isoxazolin-5-one. *Tetrahedron*. 23: 831-840.
- Sarobe, M; Jenneskens, LW; Wesseling, J; Snoeijer, JD; Zwikker, JW; Wiersum, UE. (1997). Thermal interconversions of the C₁₆H₁₀ cyclopenta-fused polycyclic aromatic hydrocarbons fluoranthene, acephenanthrylene and aceanthrylene revisited. *Liebigs Annalen Recueil*. 0: 1207-1213.
- Sarraf, ST; Leighton, JL. (1998). Unusual conformational effects on the regioselectivity of olefin insertion in the rhodium-catalyzed hydroformylation of 4-methylene-1,3-dioxanes. *Tetrahedron Letters*. 39: 6423-6426.

Environmental Hazard Literature Search Results

Off Topic

- Sasaki, M; Noguchi, T; Tachibana, K. (2002). Intramolecular radical cyclization - Ring-closing metathesis approach to fused polycyclic ethers. Convergent synthesis and conformational analysis of the (E)FGH ring system of ciguatoxin. *J Org Chem.* 67: 3301-3310.
- Sasaki, T; Kikkawa, Y. (2013). Proposed mechanism of cerebral vasospasm: our hypothesis and current topics. *Acta neurochirurgica Supplement.* 115: 53-56.
- Sasidhar, YU; Prabha, CR. (2000). Conformational features of reduced and disulfide intact forms of hen egg white lysozyme in aqueous solution in presence of 3-chloro-1, 2-propanediol and dioxane: Implications for protein folding intermediates. *Indian Journal of Biochemistry & Biophysics.* 37: 97-106.
- Sastry, KV; Agrawal, VP. (1975). Effect of carbon tetrachloride on the hepatic alkaline and acid phosphatases in a teleost fish, *Heteropneustes fossilis*. *Acta Anat.* 93: 361-366.
- Sato, A; Nakajima, T; Koyama, Y. (1981). Dose-Related Effects of a Single Dose of Ethanol on the Metabolism in Rat Liver of Some Aromatic and Chlorinated Hydrocarbons. *TOXICOL AND APPL PHARMACOL.* 60: 8-15.
- Sato, K; Menggenbatee; Kubota, T; Asao, N. (2008). AuCl-catalyzed reaction of ortho-alkynyl(oxo)benzene with benzenediazonium 2-carboxylate as a synthetic method towards anthracene, triptycene, and phthalazine derivatives. *Tetrahedron.* 64: 787-796.
- Sato, M; Hisamichi, H; Kaneko, C; Suzaki, N; Furuya, T; Inukai, N. (1989). Cycloadditions in syntheses. Part 41. Chiral spirocyclic 5-arylmethylene-1,3-dioxane-4,6-diones as novel synthons for enantiomerically pure 2-arylcylopropane-1,1-dicarboxylates. *Tetrahedron Letters.* 30: 5281-5284.
- Sato, M; Uehara, F; Sato, K; Yamaguchi, M; Kabuto, C. (1999). Convenient-synthesis of chiral cyclophanes that can coordinate to metals. *J Am Chem Soc.* 121: 8270-8276.
- Satoh, PS; Brown, RK. (1966). The effect of organic solvents on rabbit antibody. *Biochimica et Biophysica Acta (BBA) - General Subjects.* 115: 455-463.
- Satoh, T; Taguchi, D; Suzuki, C; Fujisawa, S. (2001). Aryl 1-chloroalkyl sulfoxides as acyl anion equivalents: a new synthesis of vinyl sulfides, ketones, and diketones from aryl 1-chloroalkyl sulfoxides and alpha,omega-dichloro-alpha,omega-disulfinylalkanes. *Tetrahedron.* 57: 493-500.
- Sauer, R; El-Tayeb, A; Kaulich, M; Muller, CE. (2009). Synthesis of uracil nucleotide analogs with a modified, acyclic ribose moiety as P2Y(2) receptor antagonists. *Bioorganic & Medicinal Chemistry.* 17: 5071-5079.
- Saulnier, B; Ponsart, S; Coudane, J; Garreau, H; Vert, M. (2004). Lactic acid-based functionalized polymers via copolymerization and chemical modification. *Macromol Biosci.* 4: 232-237.
- Saunders, JE; Sanders, C; Chen, H; Loock, HP. (2016). Refractive indices of common solvents and solutions at 1550 nm. *Appl Opt.* 55: 947-953.
- Sawant, P; Maier, ME. (2010). A novel strategy towards the atorvastatin lactone. *Tetrahedron.* 66: 9738-9744.
- Sawant, RT; Stevenson, J; Odell, LR; Arvidsson, PI. (2013). Organocatalytic asymmetric cross-aldol reaction of 2-chloroethoxy acetaldehyde: diversity-oriented synthesis of chiral substituted 1,4-dioxanes and morpholines. *Tetrahedron: Asymmetry.* 24: 134-141.
- Sawynok, J; Reid, AR; Doak, GJ. (1995). Caffeine antinociception in the rat hot-plate and formalin tests and locomotor stimulation: involvement of noradrenergic mechanisms. *Pain.* 61: 203-213.
- Sayama, S. (2006). Chemoselective conversion of aromatic epoxide and 1,2-diol to 1,3-dioxane derivatives with phenyltrimethylammonium tribromide in the presence of a catalytic amount of antimony(III) bromide. *Tetrahedron Letters.* 47: 4001-4005.
- Sayer, JM; Lehr, RE; Kumar, S; Yagi, H; Yeh, HJC; Holder, GM; Duke, CC; Silverton, JV; Gibson, C; Jerina, DM. (1990). Comparative solvolytic reactivity of bay-region diol epoxides derived from dibenz(a,j)anthracene and dibenzacridines. *J Am Chem Soc.* 112: 1177-1185.
- Sayet, I; Neuilly, G; Rakotoarisoa, L; Mironneau, LdPCePM; ealaire, UURACNRSUšdBIF; Mironneau, J. (1993). Relation between alpha 1-adrenoceptor subtypes and noradrenaline-induced contraction in rat portal vein smooth muscle. *Br J Pharmacol.* 110: 207-212.
- Saygili, N; Batsanov, AS; Bryce, MR. (2004). 5-Pyrimidylboronic acid and 2-methoxy-5-pyrimidylboronic acid: new heteroarylpyrimidine derivatives via Suzuki cross-coupling reactions. *Organic & Biomolecular Chemistry.* 2: 852-857.
- Scalia, S; Menegatti, E. (1991). Assay of 1,4-dioxane in commercial cosmetic products by HPLC. *Farmaco.* 46: 1365-1370.
- Schaffran, T; Burghardt, A; Barnert, S; Peschka-Suss, R; Schubert, R; Winterhalter, M; Gabel, D. (2009). Pyridinium Lipids with the Dodecaborate Cluster as Polar Headgroup: Synthesis, Characterization of the Physical-Chemical Behavior, and Toxicity in Cell Culture. *Bioconjug Chem.* 20: 2190-2198.
- Schappacher, M; Fabre, T; Mingotaud, AF; Soum, A. (2001). Study of a (trimethylenecarbonate-co-epsilon-caprolactone) polymer - Part 1: preparation of a new nerve guide through controlled random copolymerization using rare earth catalysts. *Biomaterials.* 22: 2849-2855.
- Scheringer, M. (1997). Characterization of the environmental distribution behavior of organic chemicals by means of persistence and spatial range. *Environmental Science & Technology.* 31: 2891-2897.
- Schetter, B. (2005). Acylurea pyrolysis - Thermolysis of N,N'-disubstituted ferrocenoylureas as a new way to N-monosubstituted ferrocenecarboxamides. *Synthesis-Stuttgart*1350-1358.
- Schmalfuss, J; Matthes, B; Mayer, P; Boger, P. (1998). Chloroacetamide mode of action, I: Inhibition of very long chain fatty acid synthesis in *Scenedesmus acutus*. *Zeitschrift Fur Naturforschung Section C-a Journal of Biosciences.* 53: 995-1003.
- Schmidt, EMJP. (1981). PHYSICO-CHEMICAL STUDIES OF POTASSIUM CATION INTERACTIONS WITH NEUTRAL LIGANDS AND WITH ANIONS. PhD, Michigan State University.
- Schmidt, J; Schmidt, R; Wurthner, F. (2008). Synthesis, optical properties, and LFER analysis of solvent-dependent binding constants of Hamilton-receptor-connected merocyanine chromophores. *J Org Chem.* 73: 6355-6362.
- Schmidt, JA; Goldszmidt, E; Heitner, C; Scaiano, JC; Berinstain, AB; Johnston, LJ. Photodegradation of alpha-guaiacoxycetoveratrone: triplet-state reactivity induced by protic solvents. *ACS Symp Ser Am Chem Soc.* 1993. (531): 122-128.

Environmental Hazard Literature Search Results

Off Topic

- Schmitke, JL; Stern, LJ; Klibanov, AM. (1998). Organic solvent binding to crystalline subtilisin in mostly aqueous media and in the neat solvents. *Biochem Biophys Res Commun.* 248: 273-277.
- Schneider, P; Hosseiny, SS; Szczotka, M; Jordan, V; Schlitter, K. (2009). Rapid solubility determination of the triterpenes oleanolic acid and ursolic acid by UV-spectroscopy in different solvents. *Phytochemistry Letters.* 2: 85-87.
- Schnyder, A; Beller, M; Mehlretter, G; Nsenda, T; Studer, M; Indolese, AF. (2001). Synthesis of primary aromatic amides by aminocarbonylation of aryl halides using formamide as an ammonia synthon. *J Org Chem.* 66: 4311-4315.
- Scholz-Pedretti, K; Eberhardt, W; Rupprecht, G; Beck, KF; Spitzer, S; Pfeilschifter, J; Kaszkin, M. (2000). Inhibition of NF kappa B-mediated pro-inflammatory gene expression in rat mesangial cells by the enolized 1,3-dioxane-4,6-dione-5-carboxamide, CGP-43182. *Br J Pharmacol.* 130: 1183-1190.
- Schreiber, SL; Reagan, J. (1986). On the preparation of optically active secondary alcohols from a 1,3-dioxan-4-one: Substitution with organocopper reagents. *Tetrahedron Letters.* 27: 2945-2948.
- Schroeder, GE; Kotsonis, P; Musgrave, IF; Majewski, H. (1995). Protein kinase C involvement in maintenance and modulation of noradrenaline release in the mouse brain cortex. *Br J Pharmacol.* 116: 2757-2763.
- Schroeder, RL; Tram, P; Liu, JW; Foroozesh, M; Sridhar, J. (2016). Novel functionalized 5-(phenoxyethyl)-1,3-dioxane analogs exhibiting cytochrome P450 inhibition: a patent evaluation WO2015048311 (A1). *Expert Opin Ther Pat.* 26: 139-147.
- Schubert, WM; Green, DC. (1980). Behavior of p-dimethylamino- β -bormostyrene and its dimer in dioxane-water. *Tetrahedron Letters.* 21: 4241-4242.
- Schwank, M; Green, TR; Matzler, C; Benedickter, H; Fluhler, H. (2006). Laboratory characterization of a commercial capacitance sensor for estimating permittivity and inferring soil water content. *Vadose Zone Journal.* 5: 1048-1064.
- Schwartz, CP. (2010). I. Development of the in situ reductive ozonolysis of alkenes with tertiary amine N-oxides. II. Progress toward the asymmetric synthesis of peroxyplakoric acid A3. PhD, The University of Nebraska - Lincoln.
- Schweitzer, L; Noblet, J; Ye, Q; Ruth, E; Suffet, IH. (1999). The environmental fate and mechanism of formation of 2-ethyl-5,5'-dimethyl-1,3-dioxane (2EDD) - A malodorous contaminant in drinking water. *Water Science and Technology.* 40: 217-224.
- Schwartz, DW; Lamb, RG. (1982). The influence of carbon tetrachloride metabolism on the carbon tetrachloride-induced activation of rat liver cell phospholipase C activity. *Toxicol Appl Pharmacol.* 65: 402-412.
- Scott, DJ; Fuchter, MJ; Ashley, AE. (2014). Nonmetal Catalyzed Hydrogenation of Carbonyl Compounds. *J Am Chem Soc.* 136: 15813-15816.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (1998). Structural characterization of the bark and core lignins from kenaf (*Hibiscus cannabinus*). *J Agric Food Chem.* 46: 3100-3108.
- Seca, AML; Cavaleiro, JAS; Domingues, FMJ; Silvestre, AJD; Evtuguin, D; Neto, CP. (2000). Structural characterization of the lignin from the nodes and internodes of *Arundo donax* reed. *J Agric Food Chem.* 48: 817-824.
- Secundo, F; Barletta, GL; Dumitriu, E; Carrea, G. (2007). Can an inactivating agent increase enzyme activity in organic solvent? Effects of 18-crown-6 on lipase activity, enantioselectivity, and conformation. *Biotechnol Bioeng.* 97: 12-18.
- Secundo, F; Carrea, G; Soregaroli, C; Varinelli, D; Morrone, R. (2001). Activity of different *Candida antarctica* lipase B formulations in organic solvents. *Biotechnol Bioeng.* 73: 157-163.
- Secundo, F; Carrea, G; Vecchio, G; Zambianchi, F. (1999). Spectroscopic investigation of lipase from *Pseudomonas cepacia* solubilized in 1,4-dioxane by non-covalent complexation with methoxypoly(ethylene glycol). *Biotechnol Bioeng.* 64: 624-629.
- Secundo, F; Fiala, S; Fraaije, MW; de Gonzalo, G; Meli, M; Zambianchi, F; Ottolina, G. (2011). Effects of Water Miscible Organic Solvents on the Activity and Conformation of the Baeyer-Villiger Monooxygenases From *Thermobifida fusca* and *Acinetobacter calcoaceticus*: A Comparative Study. *Biotechnol Bioeng.* 108: 491-499.
- Secundo, F; Spadaro, S; Carrea, G; Overbeeke, PLA. (1999). Optimization of *Pseudomonas cepacia* lipase preparations for catalysis in organic solvents. *Biotechnol Bioeng.* 62: 554-561.
- Segura, RL; Palomo, JM; Mateo, C; Cortes, A; Terreni, M; Fernandez-Lafuente, R; Guisan, JM. (2004). Different properties of the lipases contained in porcine pancreatic lipase extracts as enantioselective biocatalysts. *Biotechnol Prog.* 20: 825-829.
- Sehgal, AC; Tompson, R; Cavanagh, J; Kelly, RM. (2002). Structural and catalytic response to temperature and cosolvents of carboxylesterase EST1 from the extremely thermoacidophilic archaeon *Sulfolobus solfataricus* P1. *Biotechnol Bioeng.* 80: 784-793.
- Sei, K; Kakinoki, T; Inoue, D; Soda, S; Fujita, M; Ike, M. (2010). Evaluation of the biodegradation potential of 1,4-dioxane in river, soil and activated sludge samples. *Biodegradation.* 21: 585-591.
- Sei, K; Miyagaki, K; Kakinoki, T; Fukugasako, K; Inoue, D; Ike, M. (2013). Isolation and characterization of bacterial strains that have high ability to degrade 1,4-dioxane as a sole carbon and energy source. *Biodegradation.* 24: 665-674.
- Seidi, F; Zarei, A. (2016). ATRP grafting of poly(N,N-dimethylamino-2-ethyl methacrylate) onto the fatty-acid-modified agarose backbone via the "grafting-from" technique. *Starch-Starke.* 68: 644-650.
- Seifert, HJ; Auel, T. (1968). Elektrolytische reduktion h α herer metallchloride in nichtw α sserigen medien \hat{a} e" II[1] komplexe des VCl₂ mit o- und N-haltigen liganden[2]. *Journal of Inorganic and Nuclear Chemistry.* 30: 2081-2086.
- Sekar, R; DiChristina, TJ. (2014). Microbially Driven Fenton Reaction for Degradation of the Widespread Environmental Contaminant 1,4-Dioxane. *Environmental Science & Technology.* 48: 12858-12867.
- Sekar, R; Taillefert, M; DiChristina, TJ. (2016). Simultaneous Transformation of Commingled Trichloroethylene, Tetrachloroethylene, and 1,4-Dioxane by a Microbially Driven Fenton Reaction in Batch Liquid Cultures. *Appl Environ Microbiol.* 82: 6335-6343.
- Sekhon, BS; Sahai, HK; Randhawa, HS. (1998). Equilibrium study on the complex formation of sulphamethoxazole with, some metal ions. *National Academy Science Letters-India.* 21: 282-285.

Environmental Hazard Literature Search Results

Off Topic

- Sekhon, BS; Sharma, M. (1998). Complex formation equilibria of 5-fluorouracil with proton and metal ions. *National Academy Science Letters-India*. 21: 14-17.
- Sekiguchi, A; Fukawa, T; Nakamoto, M; Lee, VY; Ichinohe, M. (2002). Isolable silyl and germyl radicals lacking conjugation with pi-bonds: Synthesis, characterization, and reactivity. *J Am Chem Soc*. 124: 9865-9869.
- Sekimata, K; Ohnishi, T; Mizutani, M; Todoroki, Y; Han, SY; Uzawa, J; Fujioka, S; Yoneyama, K; Takeuchi, Y; Takatsuto, S; Sakata, K; Yoshida, S; Asami, T. (2008). Brz220 interacts with DWF4, a cytochrome P450 monooxygenase in brassinosteroid biosynthesis, and exerts biological activity. *Bioscience Biotechnology and Biochemistry*. 72: 7-12.
- Sekizawa, J; Yasuhara, K; Suyama, Y; Yamanaka, S; Tobe, M; Nishimura, M. (1994). A simple method for screening assessment of skin and eye irritation. *The Journal of toxicological sciences*. 19: 25-35.
- Selva, M; Caretto, A; Noe, M; Perosa, A. (2014). Carbonate phosphonium salts as catalysts for the transesterification of dialkyl carbonates with diols. The competition between cyclic carbonates and linear dicarbonate products. *Organic & Biomolecular Chemistry*. 12: 4143-4155.
- Semioshkin, A; Bregadze, V; Godovikov, I; Ilinova, A; Laskova, J; Starikova, Z. (2011). Synthesis and structure of 1-iodo-7-dioxonium-decahydro-closo-dodecaborate. *Journal of Organometallic Chemistry*. 696: 2760-2762.
- Sen, A; Nielsen, PE. (2007). On the stability of peptide nucleic acid duplexes in the presence of organic solvents. *Nucleic Acids Research*. 35: 3367-3374.
- Senthilkumar, K; Kolandaivel, P. (2003). Structure, conformation and NMR studies on 1,2-dioxane and halogen substituted 1,2-dioxane molecules. *Computational Biology and Chemistry*. 27: 173-183.
- Serafim, H; Fonseca, IM; Ramos, AM; Vital, J; Castanheiro, JE. (2011). Valorization of glycerol into fuel additives over zeolites as catalysts. *Chem Eng J*. 178: 291-296.
- Serebryakov, EP; Kobrina, NS; Kucherov, VF; Adam, G; Schreiber, K. (1972). Photochemical transformations of gibberellin A3 derivatives : The addition of hydrogen-donating solvents to a strained cyclohexenone. *Tetrahedron*. 28: 3819-3826.
- Sergeev, AG; Artamkina, GA; Beletskaya, IP. (2003). Variation of xanthene-based bidentate ligands in the palladium-catalyzed arylation of ureas. *Tetrahedron Letters*. 44: 4719-4723.
- Sergeeva, OA; Kletke, O; Kragler, A; Poppek, A; Fleischer, W; Schubring, SR; Gorg, B; Haas, HL; Zhu, XR; Lubbert, H; Gisselmann, G; Hatt, H. (2010). Fragrant Dioxane Derivatives Identify beta 1-Subunit-containing GABA(A) Receptors. *J Biol Chem*. 285: 23985-23993.
- Seth, PK; Agarwal, DK; Agarwal, S. (1981). Effect of Phthalic Acid Esters on Drug Metabolizing Enzymes. *Bull Environ Contam Toxicol*. 26: 764-768.
- Setsune, J-i; Matsukawa, K; Kitao, T. (1982). Synthesis of benzofuran-2-one derivatives by copper(I)-promoted coupling reactions of o-bromophenol with active methylene compounds. *Tetrahedron Letters*. 23: 663-666.
- Sha, Q; Wei, YY. (2013). Base and solvent mediated decomposition of tosylhydrazones: highly selective synthesis of N-alkyl substituted hydrazones, dialkylidenehydrazines, and oximes. *Tetrahedron*. 69: 3829-3835.
- Shalaby, MA; Fronczek, FR; Younathan, ES. The configuration and conformation of di-D-fructose anhydride. I. The crystal and molecular structure of 3,4,3',4'-tetra-O-acetyl-6,6'-di(triphenylmethyl)-di-D-f ructose anhydride I. *Carbohydr Res*. Dec 16, 1994. v. 265 (2): 207-214.
- Shamanthaka Sastry, MC; Narasinga Rao, MS. Binding of chlorogenic acid by the isolated polyphenol-free 11S protein of sunflower (*Helianthus annuus*) seed. *J Agric Food Chem*. Dec 1990. v. 38 (12): 2103-2110 ill.
- Shamim, A; Vasconcelos, SNS; Ali, B; Madureira, LS; Zukerman-Schpector, J; Stefani, HA. (2015). Ligand and copper free Sonogashira coupling to achieve 2-alkynyl D-glucal derivatives: regioselective electrophile promoted nucleophilic 5-endo-dig cyclization. *Tetrahedron Letters*. 56: 5836-5842.
- Shan, YL; Yim, WL; So, CW. (2014). An N-Heterocyclic Silylene-Stabilized Digermanium(0) Complex. *Angewandte Chemie-International Edition*. 53: 13155-13158.
- Shang, YJ; Qian, YP; Liu, XD; Dai, F; Shang, XL; Jia, WQ; Liu, Q; Fang, JG; Zhou, B. (2009). Radical-Scavenging Activity and Mechanism of Resveratrol-Oriented Analogues: Influence of the Solvent, Radical, and Substitution. *J Org Chem*. 74: 5025-5031.
- Sharifi, S; Blanquer, SB; van, KTG; Grijpma, DW. (2012). Biodegradable nanocomposite hydrogel structures with enhanced mechanical properties prepared by photo-crosslinking solutions of poly(trimethylene carbonate)-poly(ethylene glycol)-poly(trimethylene carbonate) macromonomers and nanoclay particles. *Acta Biomater*. 8: 4233-4243.
- Sharifi, S; Grijpma, DW. (2012). Resilient amorphous networks prepared by photo-crosslinking high-molecular-weight D,L-lactide and trimethylene carbonate macromers: mechanical properties and shape-memory behavior. *Macromol Biosci*. 12: 1423-1435.
- Sharma, D; Sahoo, S; Mishra, BK. (2014). Molecular modeling in dioxane methanol interaction. *J Mol Model*. 20: 2408-2408.
- Sharma, GK; Madhava, RBS; O'Neill, P. (2009). Redox dependence of the reaction of alpha-alkoxyalkyl radicals with a series of oxidants. *The journal of physical chemistry B*. 113: 2207-2211.
- Sharma, P; Sharma, S; Rane, N. (2004). Synthesis and in vitro antimicrobial activities of 2-hydroxy-6-methyl-7-(arylamino)-1,7-dihydropurin-8-ones. *Bioorganic & Medicinal Chemistry*. 12: 3135-3139.
- Sharma, R; Fatma, B; Saha, A; Bajpai, S; Sista, S; Dash, PK; Parida, M; Kumar, P; Tomar, S. (2016). Inhibition of chikungunya virus by picolinate that targets viral capsid protein. *Virology*. 498: 265-276.
- Sharma, SK; Dakshinamurti, K. (1993). Suppression of domoic acid induced seizures by 8-(OH)-DPAT. *Journal of neural transmission General section*. 93: 87-98.
- Sharp, WB; Daff, PJ; McNeil, WS; Legzdins, P. (2001). The elusive 16-electron Cp*M(NO)Me(2) (M = Mo, W) complexes and their spontaneous conversions to Cp*M(NMe)(O)Me isomers. *J Am Chem Soc*. 123: 6272-6282.
- Sharratt, PJ; Hutson, JL; Inglis, GGA; Lester, MG; Procopiou, PA; Watson, NS. (1994). Structurally simplified squalestatins: monocyclic 1,3-dioxane analogues. *Bioorganic & Medicinal Chemistry Letters*. 4: 661-666.

Environmental Hazard Literature Search Results

Off Topic

- Sharutin, VV; Sharutina, OK; Pakusina, AP; Belsky, VK. (1997). Reactions of pentaphenylantimony with dicarboxylic acids. *Journal of Organometallic Chemistry*. 536-537: 87-92.
- Shaughnessy, KH; Hamann, BC; Hartwig, JF. (1998). Palladium-catalyzed inter- and intramolecular alpha-arylation of amides. Application of intramolecular amide arylation to the synthesis of oxindoles. *J Org Chem*. 63: 6546-6553.
- Shaw, RE; Burgess, C; Cousins, RPC; Giblin, GMP; Livermore, DGH; Shingler, AH; Smith, C; Youds, PM. (1994). Synthesis of novel monocyclic squalenyl analogues as potential inhibitors of squalene synthase. *Bioorganic & Medicinal Chemistry Letters*. 4: 2155-2160.
- Shaw, YJ; Yang, YT; Garrison, JB; Kyprianou, N; Chen, CS. (2004). Pharmacological exploitation of the alpha 1-adrenoreceptor antagonist doxazosin to develop a novel class of antitumor agents that block intracellular protein kinase B/Akt activation. *J Med Chem*. 47: 4453-4462.
- Shayman, JA. (2013). The design and clinical development of inhibitors of glycosphingolipid synthesis: will invention be the mother of necessity? *Trans Am Clin Climatol Assoc*. 124: 46-60.
- She, DA; Xu, F; Geng, ZC; Sun, RC; Jones, GL; Baird, MS. (2010). Physicochemical characterization of extracted lignin from sweet sorghum stem. *Ind Crop Prod*. 32: 21-28.
- Shearer, TP; Hunsicker, LG. (1980). A rapid method for embedding tissues for electron microscopy using 1,4-dioxane and Polybed 812. *The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society*. 28: 465-467.
- Shehatta, I. (2002). Effect of preferential solvation on the thermodynamic properties of antidepressant drug trazodone in aqueous ethanol: Linear free-energy relationships. *Helvetica Chimica Acta*. 85: 2125-2137.
- Shelton, DW; Weber, LJ. (1981). Quantification of the Joint Effects of Mixtures of Hepatotoxic Agents: Evaluation of a Theoretical Model in Mice. *Environ Res*. 26: 33-41.
- Shen, ES; Garry, VF; Anders, MW. (1982). Effect of hypoxia on carbon tetrachloride hepatotoxicity. *Biochem Pharmacol*. 31: 3787-3793.
- Shen, J; Hao, AY; Du, GY; Zhang, HC; Sun, HY. (2008). A convenient preparation of 6-oligo(lactic acid)cyclomaltoheptaose as kinetically degradable derivative for controlled release of amoxicillin. *Carbohydr Res*. 343: 2517-2522.
- Shen, W; Chen, H; Pan, S. (2008). Anaerobic biodegradation of 1,4-dioxane by sludge enriched with iron-reducing microorganisms. *Bioresour Technol*. 99: 2483-2487.
- Shen, W; Wang, L. (1999). The Stille reaction of 1,1-dibromo-1-alkenes: Preparation of trisubstituted alkenes and internal alkynes. *J Org Chem*. 64: 8873-8879.
- Shen, W; Wang, Y; Zhan, J; Wang, B; Huang, J; Deng, S; Yu, G. (2017). Kinetics and operational parameters for 1,4-dioxane degradation by the photoelectro-peroxone process. *Chem Eng J*. 310, Part 1: 249-258.
- Shen, X; Liu, P; Liu, Y; Liu, Y; Dai, B. (2017). One-pot reductive coupling reactions of acetyl naphthalene derivatives, tosylhydrazide, with arylboronic acids. *Tetrahedron*. 73: 785-793.
- Shen, YH; Friestad, GK. (2002). Comparison of electrophilic amination reagents for N-amination of 2-oxazolidinones and application to synthesis of chiral hydrazones. *J Org Chem*. 67: 6236-6239.
- Sherman, AA; Mironov, YV; Yudina, ON; Nifantiev, NE. (2003). The presence of water improves reductive openings of benzylidene acetals with trimethylaminoborane and aluminium chloride. *Carbohydr Res*. 338: 697-703.
- Sherman, G; Fujimori, E. (1969). Chlorophyll-dioxane interaction in the solid state. *Archives of Biochemistry and Biophysics*. 130: 624-628.
- Sheshashena Reddy, T; Ram Reddy, A. (2013). Synthesis and fluorescence study of 6,7-diaminocoumarin and its imidazo derivatives. *Dyes and Pigments*. 96: 525-534.
- Shestak, OP; Balaneva, NN; Novikov, VL. (2016). Preparative Synthesis of Spinochrome D, a Pigment of Different Sea Urchin Species. *Natural Product Communications*. 11: 1307-1310.
- Shevchenko, VV; Khimich, NN; Platz, MS; Nikolaev, VA. (2005). Search for dioxocarbenes in photochemical reactions of 5-diazo-4,6-dioxo-1,3-dioxanes, associated diazirines, and S-ylides. *Tetrahedron Letters*. 46: 435-438.
- Shi, Q; Chen, X; Lu, T; Jing, X. (2008). The immobilization of proteins on biodegradable polymer fibers via click chemistry. *Biomaterials*. 29: 1118-1126.
- Shi, Q; Xu, LJ; Li, XS; Jia, X; Wang, RH; Au-Yeung, TTL; Chan, ASC; Hayashi, T; Cao, R; Hong, MC. (2003). Bipyridyl-based diphosphine as an efficient ligand in the rhodium-catalyzed asymmetric conjugate addition of arylboronic acids to alpha,beta-unsaturated ketones. *Tetrahedron Letters*. 44: 6505-6508.
- Shi, XF; Mandel, SM; Platz, MS. (2007). On the mechanism of reaction of radicals with tirapazamine. *J Am Chem Soc*. 129: 4542-4550.
- Shi, Z; Lu, H; Chen, Z; Cheng, R; Chen, D. (2012). Rational design, syntheses, characterization and solution behavior of amphiphilic azobenzene-containing linear-dendritic block copolymers. *Polymer*. 53: 359-369.
- Shimizu, M; Nakahara, Y; Yoshioka, H. (1999). Stereocontrolled halofluorination of glycals with silicon tetrafluoride, leading to a facile synthesis of glycosyl fluorides. *Journal of Fluorine Chemistry*. 97: 57-60.
- Shimizu, T; Ohzeki, T; Hiramoto, K; Hori, N; Nakata, T. (1999). Chloromethanesulfonate as an efficient leaving group: Rearrangement of the carbon-carbon bond and conversion of alcohols into azides and nitriles. *Synthesis-Stuttgart* 1373-1385.
- Shin, D; Sung, DY; Moon, HS; Nam, K. (2010). Microbial succession in response to 1,4-dioxane exposure in activated sludge reactors: Effect of inoculum source and extra carbon addition. *Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances & Environmental Engineering*. 45: 674-681.
- Shin, J; Gerasimov, O; Thompson, DH. (2002). Facile synthesis of plasmalogens via Barbier-type reactions of vinyl dioxanes and vinyl dioxolanes with alkyl halides in LiDBB solution. *J Org Chem*. 67: 6503-6508.
- Shinde, SD; Yadav, GD. (2014). Process intensification of immobilized lipase catalysis by microwave irradiation in the synthesis of 4-chloro-2-methylphenoxyacetic acid (MCPA) esters. *Biochem Eng J*. 90: 96-102.

Environmental Hazard Literature Search Results

Off Topic

- Shinkarev, AA; Lyutakhina, NB; Gnevashov, SG. (2000). Separation of the groups of humic substances upon recurrent treatment with solvents. *Eurasian Soil Science*. 33: 709-712.
- Shitara, H; Shintani, T; Kodama, K; Hirose, T. (2013). Solvent-Induced Reversed Stereoselectivity in Reciprocal Resolutions of Mandelic Acid and erythro-2-Amino-1,2-diphenylethanol. *J Org Chem*. 78: 9309-9316.
- Shmunes, E; Kempton, RJ. (1980). Allergic contact dermatitis to dimethoxane in a spin finish. *Contact Derm*. 6: 421-424.
- Shoblock, JR; Welty, N; Aluisio, L; Fraser, I; Motley, ST; Morton, K; Palmer, J; Bonaventure, P; Carruthers, NI; Lovenberg, TW; Boggs, J; Galici, R. (2011). Selective blockade of the orexin-2 receptor attenuates ethanol self-administration, place preference, and reinstatement. *Psychopharmacology*. 215: 191-203.
- Shono, T; Oku, A; Oda, R. (1968). Small ring compoundsâ€”XVI: Solvolysis of \pm (p-substitutedphenyl)cyclopropylcarbonyl p-nitrobenzoate. *Tetrahedron*. 24: 421-425.
- Shori, N; Dutt, Y; Singh, RP. (1972). Stability of bivalent metal complexes with Schiff's bases derived from salicylaldehyde. *Journal of Inorganic and Nuclear Chemistry*. 34: 2007-2014.
- Shouse, MN; Bier, M; Langer, J; Alcalde, O; Richkind, M; Szymusiak, R. (1994). The alpha 2-agonist clonidine suppresses seizures, whereas the alpha 2-antagonist idazoxan promotes seizures--a microinfusion study in amygdala-kindled kittens. *Brain Res*. 648: 352-356.
- Shouse, MN; Langer, J; Bier, M; Farber, PR; Alcalde, O; Moghimi, R; Richkind, M; Szymusiak, R. (1996). The alpha 2-adrenoreceptor agonist clonidine suppresses seizures, whereas the alpha 2-adrenoreceptor antagonist idazoxan promotes seizures in amygdala-kindled kittens: a comparison of amygdala and pontine microinfusion effects. *Epilepsia*. 37: 709-717.
- Shitaiwi, M; Wentrup, C. (2002). Iminopropadienones from dioxanediones, isoxazolopyrimidinones, pyridopyrimidinones, and pyridopyrimidinium olates. *J Org Chem*. 67: 8558-8565.
- Shuai, L; Amiri, MT; Questell-Santiago, YM; Heroguel, F; Li, YD; Kim, H; Meilan, R; Chapple, C; Ralph, J; Luterbacher, JS. (2016). Formaldehyde stabilization facilitates lignin monomer production during biomass depolymerization. *Science*. 354: 329-333.
- Sicinska, D; Lewandowicz, A; Vokal, B; Paneth, P. (2001). Nitrogen kinetic isotope effects on the decarboxylation of 4-pyridylacetic acid. *J Org Chem*. 66: 5534-5536.
- Sicinska, D; Truhlar, DG; Paneth, P. (2001). Solvent-dependent transition states for decarboxylations. *J Am Chem Soc*. 123: 7683-7686.
- Siddiqui, KS; Azhar, MJ; Rashid, MH; Rajoka, MJ. (1997). Stability and identification of active-site residues of carboxymethylcellulases from *Aspergillus niger* and *Cellulomonas biazotea*. *Folia Microbiologica*. 42: 312-318.
- Siddiqui, KS; Rashid, MH; Rajoka, MI. (1997). Kinetic analysis of the active site of an intracellular beta-glucosidase from *Cellulomonas biazotea*. *Folia Microbiologica*. 42: 53-58.
- Siddiqui, KS; Shems, AM; Anwar, MA; Rashid, MH; Rajoka, MI. (1999). Partial and complete alteration of surface charges of carboxymethylcellulase by chemical modification: thermostabilization in water-miscible organic solvent. *Enzyme Microb Technol*. 24: 599-608.
- Siebert, KJ. (2014). Recent Discoveries in Beer Foam. *Journal of the American Society of Brewing Chemists*. 72: 79-87.
- Siebert, KJ; Lynn, PY. (2008). On the mechanisms of adsorbent interactions with haze-active proteins and polyphenols. *Journal of the American Society of Brewing Chemists*. 66: 48-54.
- Siebert, KJ; Troukhanova, NV; Lynn, PY. Nature of polyphenol-protein interactions. *J Agric Food Chem*. Jan 1996. v. 44 (1): 80-85.
- Siegemund, G; Schwertfeger, W. (1982). Cyclisierungen unter beteiligung von fluoridionen, 3. Mittell. [1,2] teilfluorierte 1.3- und 1.4-dioxane. *Journal of Fluorine Chemistry*. 21: 133-143.
- Sigel, A; Operschall, BP; Sigel, H. (2014). Comparison of the pi-stacking properties of purine versus pyrimidine residues. Some generalizations regarding selectivity. *J Biol Inorg Chem*. 19: 691-703.
- Sigel, H; Da Costa, CP; Song, B; Carloni, P; Gregan, F. (1999). Stability and structure of metal ion complexes formed in solution with acetyl phosphate and acetonylphosphonate: Quantification of isomeric equilibria. *J Am Chem Soc*. 121: 6248-6257.
- Sigismondi, S; Sinou, D; PÃ©rez, M; Moreno-MaÃ±as, M; Pleixats, R; Villarroya, M. (1994). Palladium(0)-catalyzed allylation of uracils and 2-thiouracils drastic effect of an aqueous reaction medium on the regioselectivity. *Tetrahedron Letters*. 35: 7085-7088.
- Sigrist, R; Hansen, HJ. (2014). Benzo alpha azulenediones and 10,10'-Bibenzo alpha azulene. *Helvetica Chimica Acta*. 97: 1165-1175.
- Sirola, E; Grischek, B; Clay, D; Frank, A; Grogan, G; Kroutil, W. (2011). Tolerance of beta-Diketone Hydrolases as Representatives of the Crotonase Superfamily Towards Organic Solvents. *Biotechnol Bioeng*. 108: 2815-2822.
- Silla, JM; Freitas, MP. (2015). DFT study of the 1JCF coupling constant in XCHF_x fragments (X = O and S). *Journal of Fluorine Chemistry*. 172: 1-6.
- Silveyra, P; Lux-Lantos, V; Libertu, IdBayMME-CNdICfyTšdddBAA. (9774). Both orexin receptors are expressed in rat ovaries and fluctuate with the estrous cycle: effects of orexin receptor antagonists on gonadotropins and ovulation. *Am J Physiol Endocrinol*. 2007293.
- Simerska, P; Kuzma, M; Pisevcova, A; Weignerova, L; Mackova, M; Riva, S; Kren, V. (2003). Application of selectively acylated glycosides for the alpha-galactosidase-catalyzed synthesis of disaccharides. *Folia Microbiologica*. 48: 329-337.
- Simon, LM; Kotorman, M; Garab, G; Laczko, I. (2001). Structure and activity of alpha-chymotrypsin and trypsin in aqueous organic media. *Biochem Biophys Res Commun*. 280: 1367-1371.
- Simon, LM; Kotorman, M; Szabo, A; Nemcsok, J; Laczko, I. (2007). The effects of organic solvent/water mixtures on the structure and catalytic activity of porcine pepsin. *Process Biochemistry*. 42: 909-912.
- Simon, P. (1966). NUCLEAR MAGNETIC RESONANCE STUDIES OF HYDROGEN BONDING IN THE WATER - DIOXANE - CARBON-TETRACHLORIDE TERNARY SYSTEM. PhD, Purdue University.
- Simonich, SM; Sun, P; Casteel, K; Dyer, S; Wernery, D; Garber, K; Carr, G; Federle, T. (2013). Probabilistic analysis of risks to US drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integr Environ Assess Manag*. 9: 554-559.
- Sinclair, I; Worrall, IJ. (1981). Complexes containing indium-gallium bonds. *Inorganic and Nuclear Chemistry Letters*. 17: 279-282.

Environmental Hazard Literature Search Results

Off Topic

- Singh, AK; Amburose, CV; Kraemer, TS; Jasinski, JP. (1999). 2-(2-{Diphenylarsino}ethyl)-1,3-dioxane (L1) and 2-(diphenylarsinomethyl)tetrahydrofuran (L2) and their palladium(II), platinum(II) and mercury(II) complexes: synthesis and crystal structures of [PdBr₂(L1)₂] and [HgBr₂(L2)]₂. *Journal of Organometallic Chemistry*. 592: 251-257.
- Singh, AK; Darshi, M. (2002). Fluorescence probe properties of intramolecular charge transfer diphenylbutadienes in micelles and vesicles. *Biochimica Et Biophysica Acta-Biomembranes*. 1563: 35-44.
- Singh, AK; Sooriyakumar, J; Drake, JE; Hursthouse, MB; Light, ME. (2000). Bis(2-{1,3-dioxan-2-yl}ethyl) telluride (L): synthesis and ligation with Pd(II) and Ru(II). Crystal structures of [Ru(p-cymene)Cl₂L] and trans-[PdCl₂(L)₂]. *Journal of Organometallic Chemistry*. 613: 244-249.
- Singh, AP; Roesky, HW; Carl, E; Stalke, D; Demers, JP; Lange, A. (2012). Lewis Base Mediated Autoionization of GeCl₂ and SnCl₂. *J Am Chem Soc*. 134: 4998-5003.
- Singh, DK; Nath, M. (2015). Ambient temperature synthesis of beta,beta'-fused nickel(II) pyrrolo 1,2-a pyrazinoporphyryns via a DBSA-catalyzed Pictet-Spengler approach. *Organic & Biomolecular Chemistry*. 13: 1836-1845.
- Singh, I; Prasad, AK; Sharma, AK; Saxena, RK; Olsen, CE; Cholli, AL; Samuelson, LA; Kumar, J; Watterson, AC; Parmar, VS. (2003). Synthetic and novel biocatalytic resolution studies on (+/-)-5/6/7-acetoxy-4-aryl-3,4-dihydrocoumarins. *Bioorganic & Medicinal Chemistry*. 11: 529-538.
- Singh, P; Prakash, R; Shah, K. (2012). Effect of organic solvents on peroxidases from rice and horseradish: Prospects for enzyme based applications. *Talanta*. 97: 204-210.
- Singh, S; Guiry, PJ. (2009). Microwave-Assisted Synthesis of Substituted Tetrahydropyrans Catalyzed by ZrCl₄ and Its Application in the Asymmetric Synthesis of exo- and endo-brevicommin. *J Org Chem*. 74: 5758-5761.
- Singh, S; Saini, D; Mehta, SK; Kaur, R; Ferretti, V. (2012). Synthesis, characterization and molecular structures of barium(II) trichloroacetate DME/1,4-dioxane compounds. *Polyhedron*. 31: 202-209.
- Singhal, A; Choudhary, G; Thakur, IS. (2012). CHARACTERIZATION OF LACCASE ACTIVITY PRODUCED BY *Cryptococcus albidus*. *Preparative Biochemistry & Biotechnology*. 42: 113-124.
- Sinha, SS; Mitra, RK; Verma, PK; Pal, SK. (1981). Exploration of the dynamical evolution and the associated energetics of water nanoclusters formed in a hydrophobic solvent. *The Science of the total environment*. 113: 4744-4750.
- Siro, J; Ramos, AS; Vaquero, JJ; Alvarez-Builla, J; Garcia-Navio, JL. (2000). Optimized synthesis of Di, Tri and tetra fused pyridazinium cations. *Tetrahedron*. 56: 2469-2472.
- Sirotkin, VA. (2005). Effect of dioxane on the structure and hydration-dehydration of alpha-chymotrypsin as measured by FTIR spectroscopy. *Biochimica Et Biophysica Acta-Proteins and Proteomics*. 1750: 17-29.
- Sivaev, IB; Kulikova, NY; Nizhnik, EA; Vichuzhanin, MV; Starikova, ZA; Semioshkin, AA; Bregadze, VI. (2008). Practical synthesis of 1,4-dioxane derivative of the closo-dodecaborate anion and its ring opening with acetylenic alkoxides. *Journal of Organometallic Chemistry*. 693: 519-525.
- Sjoholm, E; Norman, E; Colmsjo, A. (2000). Charge density of lignin samples from kraft cooking of birch wood. *Journal of Wood Chemistry and Technology*. 20: 337-356.
- Skinner, K; Cuiffetti, L; Hyman, M. (2009). Metabolism and Cometabolism of Cyclic Ethers by a Filamentous Fungus, a *Graphium* sp. *Appl Environ Microbiol*. 75: 5514-5522.
- Slepokura, K; Lis, T. (2004). Crystal structures of dihydroxyacetone and its derivatives. *Carbohydr Res*. 339: 1995-2007.
- Slepokura, K; Lis, T. (2010). Dihydroxyacetone phosphate, DHAP, in the crystalline state: monomeric and dimeric forms. *Carbohydr Res*. 345: 512-529.
- Slomkowski, S; Gadzinowski, M; Sosnowski, S; Radomska-Galant, I; Pucci, A; De, VC; Ciardelli, F. (2006). Nanoparticles from polylactide and polyether block copolymers: formation, properties, encapsulation, and release of pyrene--fluorescent model of hydrophobic drug. *J Nanosci Nanotechnol*. 6: 3242-3251.
- Sloss, DG, II. (1998). Methodology applicable to the synthesis of peroxide-containing natural products. PhD, The University of Nebraska - Lincoln.
- Smirnova, LS; Abduazimov, KA. Cleavage of dioxane lignin of the cotton plant with thioacetic acid. *Chemistry of Natural Compounds*. July/Aug 1978 (pub. 1979). v. 14 (4): 430-431 ill.
- Smirnova, LS; Abduazimov, KA. Dioxane lignin from shoots of the cotton plant of variety 108-F I. *Chemistry of Natural Compounds*. Jan/Feb 1984. v. 20 (1): 91-93.
- Smirnova, LS; Dalimova, GN; Abduazimov, KA. PMR spectra of the dioxane lignins of some plants of the family Malvaceae. *Chemistry of Natural Compounds*. July/Aug 1980 (pub. 1981). v. 16 (4): 509-411.
- Smith, DP. (1996). Submerged filter biotreatment of hazardous leachate in aerobic, anaerobic, and anaerobic/aerobic systems. *Hazardous Waste & Hazardous Materials*. 12: 167-183.
- Smith, ER; Lee, RL; Schnur, SL; Davidson, JM. (1987). Alpha 2-adrenoceptor antagonists and male sexual behavior: II. Erectile and ejaculatory reflexes. *Physiology & behavior*. 41: 15-19.
- Smith, JH; Brill, TB. (1978). A Raman spectral analysis of the ammonium iodide--dioxane complex. *Journal of Molecular Structure*. 43: 29-32.
- Smith, MT; Thor, H; Orrenius, S. (1981). Toxic Injury to Isolated Hepatocytes is Not Dependent on Extracellular Calcium. *Science (Washington)*. 213: 1257-1259.
- Smith, RK. (1993). HANDBOOK OF ENVIRONMENTAL ANALYSIS. Smith, R K Handbook Of Environmental Analysis Viii+193p Genium Publishing Corp: Schenectady, New York, Usa Isbn. 0.

Environmental Hazard Literature Search Results

Off Topic

- Smith, RR; Canady, WJ. (1992). Solvation effects upon the thermodynamic substrate activity; correlation with the kinetics of enzyme catalyzed reactions. II. More complex interactions of alpha-chymotrypsin with dioxane and acetone which are also competitive inhibitors. *Biophysical Chemistry*. 43: 189-195.
- Smitha, B; Dhanuja, G; Sridhar, S. (2006). Dehydration of 1,4-dioxane by pervaporation using modified blend membranes of chitosan and nylon 66. *Carbohydr Polymer*. 66: 463-472.
- Smits, SE; Nickander, R; Booher, RN; Zimmerman, DM; Wong, DT; Hynes, MD; Pohland, A. (1981). Preclinical pharmacology of doxipicodin, a new analgesic. NIDA research monograph. 34: 75-81.
- Snyder, CA; Selegue, JP; Dosunmu, E; Tice, NC; Parkin, S. (2003). C,O-dialkylation of Meldrum's acid: Synthesis and reactivity of 1,3,7,7-tetramethyl-4H,10H-6,8,9-trioxo-2-thiabenz f azulen-5-one. *J Org Chem*. 68: 7455-7459.
- Sobczak, M; Korzeniowska, A; Go; Kolodziejcki, WL. (2011). Preparation and characterization of polyester- and poly(ester-carbonate)-paclitaxel conjugates. *Eur J Med Chem*. 46: 3047-3051.
- Soellner, MB; Tam, A; Raines, RT. (2006). Staudinger ligation of peptides at non-glycyl residues. *J Org Chem*. 71: 9824-9830.
- Soeta, T; Nagai, K; Fujihara, H; Kuriyama, M; Tomioka, K. (2003). Asymmetric alkylation of N-toluenesulfonylimines with dialkylzinc reagents catalyzed by copper-chiral amidophosphine. *J Org Chem*. 68: 9723-9727.
- Sogabe, S; Ando, H; Koketsu, M; Ishihara, H. (2006). A novel de-O-chloroacetylation reagent: 1-seleonorcarbamoypiperidine. *Tetrahedron Letters*. 47: 6603-6606.
- Sohn, H. (1997). New chemistry of siloles and germales. PhD, The University of Wisconsin - Madison.
- Sohn, YT; Oh, JH. (2003). Characterization of physicochemical properties of ferulic acid. *Archives of Pharmacal Research*. 26: 1002-1008.
- Solar, R; Melcer, I. Comparative study of spruce wood (*Picea excelsa* L.) bark dioxan lignins and bark phenolic acids. *Cellulose Chemistry and Technology*. Mar/Apr 1985. v. 19 (2): 159-171.
- Solar, R; Melcer, I; Kacic, F. Comparative study of pine wood and pine bark (*Pinus silvestris* L.) dioxan lignins. *Cellulose Chemistry and Technology*. Jan/Feb 1988. v. 22 (1): 39-52.
- Somasundaram, G; Ramaligham, A. (1999). Gain studies of coumarin 307 dye doped polymer laser. *Optics and Laser Technology*. 31: 351-358.
- Sompalle, R; Roopan, SM; Al-Dhabi, NA; Suthindhiran, K; Sarkar, G; Arasu, MV. (2016). 1,2,4-Triazolo-quinazoline-thiones: Non-conventional synthetic approach, study of solvatochromism and antioxidant assessment. *Journal of Photochemistry and Photobiology B-Biology*. 162: 232-239.
- Son, HS; Choi, SB; Khan, E; Zoh, KD. (2006). Removal of 1,4-dioxane from water using sonication: Effect of adding oxidants on the degradation kinetics. *Water Res*. 40: 692-698.
- Son, HS; Im, JK; Zoh, KD. (2009). A Fenton-like degradation mechanism for 1,4-dioxane using zero-valent iron (Fe(0)) and UV light. *Water Res*. 43: 1457-1463.
- Song, CX; Cui, XM; Schindler, A. (1993). Biodegradable copolymers based on p-dioxanone for medical application. *Medical & biological engineering & computing*. 31 Suppl: S147-151.
- Song, F; Shi, WT; Dong, XT; Han, X; Wang, XL; Chen, SC; Wang, YZ. (2014). Fennel-like nanoaggregates based on polysaccharide derivatives and their application in drug delivery. *Colloids and Surfaces B-Biointerfaces*. 113: 501-504.
- Song, JF; Hansen, HJ. (1999). New syntheses of di-pi-substituted heptalenes. *Helvetica Chimica Acta*. 82: 2260-2273.
- Song, JJ; Yee, NK. (2001). Synthesis of 1-aryl-1H-indazoles via the palladium-catalyzed cyclization of N-aryl-N'-(o-bromobenzyl)hydrazines and N-aryl-N'-(o-bromobenzyl)-hydrazinato-N' triphenylphosphonium bromides. *Tetrahedron Letters*. 42: 2937-2940.
- Song, JZ; Han, QB; Qiao, CF; But, PPH; Xu, HX. (2010). Development and Validation of a Rapid Capillary Zone Electrophoresis Method for the Determination of Aconite Alkaloids in Aconite Roots. *Phytochemical Analysis*. 21: 137-143.
- Song, QH; Wang, HB; Tang, WJ; Guo, QX; Yu, SQ. (2006). Model studies of the (6-4) photoproduct photoreactivation: efficient photosensitized splitting of thymine oxetane units by covalently linked tryptophan in high polarity solvents. *Organic & Biomolecular Chemistry*. 4: 291-298.
- Sorbera, LA; Leeson, PA; Silvestre, J; Castaner, J. (2001). Pagoclone - Anxiolytic GABA-A/BZD site partial agonist. *Drugs of the Future*. 26: 651-657.
- Sorensen-Stowell, K; Hengge, AC. (2005). Probing potential medium effects on phosphate ester bonds using (18)O isotope shifts on (31)P NMR. *J Org Chem*. 70: 8303-8308.
- Soroko, I; Lopes, MP; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN): Part A. Effect of polymer/solvent/non-solvent system choice. *J Memb Sci*. 381: 152-162.
- Soroko, I; Makowski, M; Spill, F; Livingston, A. (2011). The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN). Part B: Analysis of evaporation step and the role of a co-solvent. *J Memb Sci*. 381: 163-171.
- Sosnovskikh, VY; Barabanov, MA. (2003). The first synthesis of 8-aza-2-polyfluoroalkylchromones. *Journal of Fluorine Chemistry*. 120: 25-28.
- Sosnovskikh, VY; Usachev, BI. (2002). A simple and efficient synthesis of 2-methyl-2-trifluoromethylchroman-4-ones from 2-trifluoromethyl-4H-chromen-4-imines and malonic acid. *Synthesis-Stuttgart*2341-2343.
- Sotomayor, N; Dominguez, E; Lete, E. (1995). OXIDATION REACTIONS OF 2'-FUNCTIONALIZED 3-ARYLTETRAHYDROQUINOLINES AND 3,4-DIHYDROISOQUINOLINES. *Tetrahedron*. 51: 12721-12730.
- Soum, A; Brâ€let, A; Miraux, S; ThiaudiÃ re, UU; de, BIPBENSCEPaBPBPCF; TaU, TS; Brisson, A; Dupuis, V; Sandre, O; Lecommandoux, S; Fan, RR; Zhou, LX; Song, W; Li, dX; Zhang, DM; Ye, R; Zheng, Y; Guo, G. (2011). Preparation and properties of g-TTCP/PBS nanocomposites and its in vitro biocompatibility assay. *ACS Nano*. 5: 1122-1140.
- Spadaro, JT; Renganathan, V. Peroxidase-catalyzed oxidation of azo dyes: mechanism of disperse yellow 3 degradation. *Archives of biochemistry and biophysics*. July 1994. v. 312 (1): 301-307.

Environmental Hazard Literature Search Results

Off Topic

- Spicuzza, L; Barnes, PJ; Di Maria, GU; Belvisi, MG. (2001). Effect of 8-iso-prostaglandin F(2 alpha) on acetylcholine release from parasympathetic nerves in guinea pig airways. *Eur J Pharmacol.* 416: 231-234.
- Spitz, HD. (1979). Determination of Water in Aluminum Chlorohydrate and Effervescent Tablets by Karl Fischer Analysis. *J Pharm Sci.* 68: 122-123.
- Spoerlein-Guettler, C; Milius, W; Obenauf, J; Schobert, R. (2016). A new domino oxidation-rearrangement of 2,3-dihydroxogonin to negletein. *Tetrahedron Letters.* 57: 1560-1562.
- Srebnik, M; Bhat, NG; Brown, HC. (1988). A new convenient approach to the preparation of Z-1-alkenylboronates by the cis-Hydrogenation of 1-Alkynyldiisopropoxyboranes. *Tetrahedron Letters.* 29: 2635-2638.
- Srinivas, G; Prabhakar, G; Unny, VKP; Sudhakar, K; Muktanti, K; Choudary, BM. (2013). A novel no-carrier-added submicromolar scale radiosynthesis of S-methyl-C-14 -florfenicol. *Journal of Labelled Compounds & Radiopharmaceuticals.* 56: 382-384.
- Srinivasan, M. (2010). Synthesis, properties and applications of bio-based materials. PhD, Michigan State University.
- Srivastava, RS; Tarver, NR; Nicholas, KM. (2007). Mechanistic studies of copper(I)-catalyzed allylic amination. *J Am Chem Soc.* 129: 15250-15258.
- Stacey, NH; Ottenwaelder, H; Kappus, H. (1982). CCl sub(4)-induced lipid peroxidation in isolated rat hepatocytes with different oxygen concentrations. *Toxicol Appl Pharmacol.* 62: 421-427.
- Stachura, J; Tarnawski, A; Ivey, KJ; Mach, T; Bogdal, J; Szczudrawa, J; Klimczyk, B. (1981). Prostaglandin Protection of Carbon Tetrachloride-Induced Liver Cell Necrosis in the Rat. *GASTROENTEROLOGY.* 81: 211-217.
- Stanfa, LC; Dickenson, AH. (1994). Enhanced alpha-2 adrenergic controls and spinal morphine potency in inflammation. *Neuroreport.* 5: 469-472.
- Starke, K; Potter, DE; Ogidigben, MJ. (1991). Medetomidine-induced alterations of intraocular pressure and contraction of the nictitating membrane. *Naunyn Schmiedebergs Arch Pharmacol.* 343: 623-632.
- Stasiak, M; Wolf, WM; Leplawy, MT. (1998). alpha-hydroxymethylserine as a peptide building block: Synthetic and structural aspects. *J Pept Sci.* 4: 46-57.
- Stebbins, JL; De, SK; Machleidt, T; Becattini, B; Vazquez, J; Kuntzen, C; Chen, LH; Cellitti, JF; Riel-Mehan, M; Emdadi, A; Solinas, G; Karin, M; Pellecchia, M. (2008). Identification of a new JNK inhibitor targeting the JNK-JIP interaction site. *Proceedings of the National Academy of Sciences of the United States of America.* 105: 16809-16813.
- Steele, PRM; Yim, APC; Herbertson, BM; Watson, J. (1981). Some Flow Cytofluorimetric Studies of the Nuclear Ploidy of Mouse Hepatocytes. II. Early Changes in Nuclear Ploidy of Mouse Hepatocytes Following Carbon Tetrachloride Administration: Evidence for Polyploid Nuclei Arrested in Telophase. *British Journal of Experimental Pathology.* 62: 474-479.
- Stefan, MI; Bolton, J. (1998). Mechanism of the degradation of 1,4-dioxane in dilute aqueous solution using the UV hydrogen peroxide process. *Environmental Science & Technology.* 32: 1588-1595.
- Stefanic, P; Breznik, M; Lah, N; Leban, I; Plavec, J; Kikelj, D. (2001). A synthesis of alkyl 4-alkyl-2-hydroxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazine-2-carboxylates. *Tetrahedron Letters.* 42: 5295-5297.
- Stenius, U; Stahl, A; Hogberg, J. (1998). In vitro studies on non-genotoxic carcinogens: Resistance to DNA synthesis inhibition in GST-P-positive hepatocytes isolated from enzyme-altered foci-bearing rats. *Toxicol In Vitro.* 12: 279-285.
- Stephan, E; Sery, P; Jaouen, G. (2000). Functionalizations of estrone benzyl ether at the 11 and 12 positions. *Tetrahedron Letters.* 41: 1729-1731.
- Stepien, DK; Diehl, P; Helm, J; Thorns, A; Puttmann, W. (2014). Fate of 1,4-dioxane in the aquatic environment: From sewage to drinking water. *Water Res.* 48: 406-419.
- Stepien, DK; Regnery, J; Merz, C; Puttmann, W. (2013). Behavior of organophosphates and hydrophilic ethers during bank filtration and their potential application as organic tracers. A field study from the Oderbruch, Germany. *Sci Total Environ.* 458: 150-159.
- Stevenson, CD; Morgan, G. (1998). Thermolysis of the benzene anion radical 18-crown-6 complex. *J Org Chem.* 63: 7694-7697.
- Stewart, D; Brennan, R; Provan, GJ. Characterization of blackcurrant stem lignin. *Phytochemistry.* Dec 1994. v. 37 (6): 1703-1706.
- Stickney, J; Carlson-Lynch, H. (2014). Dioxane, 1,4- A2 - Wexler, Philip. *Encyclopedia of Toxicology (Third Edition)* Oxford 186-189.
- Stoner, GD; Conran, PB; Greisiger, EA; Stober, J; Morgan, M; Pereira, MA. (1986). Comparison of two routes of chemical administration on the lung adenoma response in strain A/J mice. *Toxicol Appl Pharmacol.* 82: 19-31.
- Stott, WT; Quast, JF; Watanabe, PG. (1981). Differentiation of the mechanisms of oncogenicity of 1,4-dioxane and 1,3-hexachlorobutadiene in the rat. *Toxicol Appl Pharmacol.* 60: 287-300.
- Stott, WT; Watanabe, PG. (1982). Differentiation of genetic versus epigenetic mechanisms of toxicity and its application to risk assessment. *Drug metabolism reviews.* 13: 853-873.
- Stourman, NV; Rose, JH; Vuilleumier, S; Armstrong, RN. (2003). Catalytic mechanism of dichloromethane dehalogenase from *Methylophilus* sp strain DM11. *Biochemistry.* 42: 11048-11056.
- Strazisar, M; Andresek, S; Smidovnik, A. (2008). Effect of beta-cyclodextrin on antioxidant activity of coumaric acids. *Food Chem.* 110: 636-642.
- Strusi, A; Saracino, N. (1980). (The effects of chlorinated hydrocarbons on the embryonic development of the sea urchin *Paracentrotus lividus* .). *Oebalia Taranto.* 6: 81-94.
- Stuhr-Hansen, N; Padrah, S; Stromgaard, K. (2014). Facile synthesis of alpha-hydroxy carboxylic acids from the corresponding alpha-amino acids. *Tetrahedron Letters.* 55: 4149-4151.
- Su, BC; Ganguly, R; Li, YX; Kinjo, R. (2014). Isolation of an Imino-N-heterocyclic Carbene/Germanium(0) Adduct: A Mesoionic Germylene Equivalent. *Angewandte Chemie-International Edition.* 53: 13106-13109.
- Suarez, KA; Griffin, K; Kopplin, RP; Bhonsle, P. (1981). Protective Effect of Diethylmaleate Pretreatment on Carbon Tetrachloride Hepatotoxicity. *TOXICOL AND APPL PHARMACOL.* 57: 318-324.

Environmental Hazard Literature Search Results

Off Topic

- Subrahmanyam, CVS; Sarasija, S. (1997). Solubility behaviour of carbamazepine in binary solvents: Extended Hildebrand solubility approach to obtain solubility and other parameters. *Pharmazie*. 52: 939-942.
- Sudarsanam, P; Malleshham, B; Prasad, AN; Reddy, PS; Reddy, BM. (2013). Synthesis of bio-additive fuels from acetalization of glycerol with benzaldehyde over molybdenum promoted green solid acid catalysts. *Fuel Process Tech*. 106: 539-545.
- Sueki, S; Takei, R; Abe, J; Shimizu, I. (2011). Ytterbium-catalyzed synthesis of dihydropyridines. *Tetrahedron Letters*. 52: 4473-4477.
- Suez, I; Backer, SA; Fréchet, JM. (2005). Generating an etch resistant "resist" layer from common solvents using scanning probe lithography in a fluid cell. *Nano Lett*.
- Sugiyama, S; Fukuchi, H; Ishii, K. (2007). Diastereoselective intramolecular acyl transfer of 5-(alpha-methylbenzyl)amino-1,3-dioxan-2-one to 4-hydroxymethyl-2-oxazolidinones. *Tetrahedron*. 63: 12047-12057.
- Sugiyama, S; Ishii, K. (2010). Studies on two different diastereoselective reaction pathways from a serinol derivative to 4-hydroxymethyl-2-oxazolidinones using 2-chloroethyl chloroformate and N,N-disuccinimidyl carbonate. *Tetrahedron: Asymmetry*. 21: 2904-2910.
- Suh, JH; Mohseni, M. (2004). A study on the relationship between biodegradability enhancement and oxidation of 1,4-dioxane using ozone and hydrogen peroxide. *Water Res*. 38: 2596-2604.
- Sukach, VA; Bol'but, AV; Petin, AY; Vovk, MV. (2007). Synthesis of novel functionalized derivatives of 5-nitro-3,4-dihydropyrimidin-2(1H)-one by the cyclocondensation of 1-chlorobenzyl isocyanates with N,S- and N,N-nitroketeneacetals. *Synthesis-Stuttgart* 835-844.
- Sullivan, VS. (1998). High pressure Raman studies of intermolecular interactions in liquids. PhD, University of Illinois at Urbana-Champaign.
- Sultana, S; Bondalapati, S; Indukuri, K; Gogoi, P; Saha, P; Saikia, AK. (2013). Scandium(III) triflate catalyzed synthesis of primary homoallylic alcohols via carbonyl-ene reaction. *Tetrahedron Letters*. 54: 1576-1578.
- Suman, GR; Bubbly, SG; Gudennavar, SB; Thipperudrappa, J; Roopashree, B; Gayathri, V; Gowda, NMN. (2015). Effect of solvents on photophysical properties and quenching of 2-{3-(1H-benzimidazole-2-yl) phenyl carbonimidoyl}phenol. *Luminescence*. 30: 611-618.
- Sun, BZ; Ko, K; Ramsay, JA. (2011). Biodegradation of 1,4-dioxane by a Flavobacterium. *Biodegradation*. 22: 651-659.
- Sun, LM; Zhang, CL; Li, P. (2014). Copolymeric Micelles for Delivery of EGCG and Cyclopamine to Pancreatic Cancer Cells. *Nutrition and Cancer-an International Journal*. 66: 896-903.
- Sun, RC; Lawther, JM; Banks, WB. (1998). Isolation and characterization of organosolv lignins from wheat straw. *Wood and Fiber Science*. 30: 56-63.
- Sun, RC; Mott, L; Bolton, J. (1998). Fractional and structural characterization of ball milled and enzyme lignins from oil palm empty fruit bunch fiber. *Wood and Fiber Science*. 30: 301-311.
- Sun, SF; Folliard, JT. (1971). The participation of water in the Nef reaction of aci-nitro compounds. *Tetrahedron*. 27: 323-330.
- Sun, X; Yu, S-L; Li, Z-Y; Yang, Y. (2010). Crystal X-ray diffraction guided NMR analysis of 3,9-diaryl-2,4,8,10-tetraoxaspiro[5.5]undecanes under differently shielding effect of terminal aromatic rings. *Journal of Molecular Structure*. 973: 152-156.
- Sun, XF; Fowler, P; Rajaratnam, M; Zhang, GC. (2010). Extraction and Characterisation of Hemicelluloses from Maize Stem. *Phytochemical Analysis*. 21: 406-415.
- Sun, XF; Jing, ZX; Fowler, P; Wu, YG; Rajaratnam, M. (2011). Structural characterization and isolation of lignin and hemicelluloses from barley straw. *Ind Crop Prod*. 33: 588-598.
- Sun, XF; Sun, RC; Fowler, P; Baird, MS. (2005). Extraction and characterization of original lignin and hemicelluloses from wheat straw. *J Agric Food Chem*. 53: 860-870.
- Sun, Z. (1999). Quasielastic light scattering studies on diffusion and interaction of polymers in solutions. PhD, The University of Nebraska - Lincoln.
- Sundaram, K; Murugaian, J; Sapru, H. (1991). Microinjections of norepinephrine into the intermediolateral cell column of the spinal cord exert excitatory as well as inhibitory effects on the cardiac function. *Brain Res*. 544: 227-234.
- Sunder Ram, AN; Prabhakaran, CP. (1980). A novel copper(II) complex with a photochromic ligand. *Inorganic and Nuclear Chemistry Letters*. 16: 385-388.
- Sunderland, NJ. (2000). Design, synthesis, and molecular recognition of phosphazene materials. PhD, The Pennsylvania State University.
- Suresh Kumar, GS; Antony Muthu Prabhu, A; Bhuvanesh, N. (2014). Studies on the self-catalyzed Knoevenagel condensation, characterization, DPPH radical scavenging activity, cytotoxicity, and molecular properties of 5-arylidene-2,2-dimethyl-1,3-dioxane-4,6-diones using single crystal XRD and DFT techniques. *Journal of Molecular Structure*. 1075: 166-177.
- Suresh, P; Samanta, A; Sathyanarayana, A; Prabusankar, G. (2012). Synthesis and characterization of vinylimidazolium salts: Solution state study to realize the influence of different anions. *Journal of molecular structure*. 1024: 170-175.
- Suresh, V; Jon Paul Selvam, J; Rajesh, K; Venkateswarlu, Y. (2008). Total synthesis of aculeatins A and B from d-glucose. *Tetrahedron: Asymmetry*. 19: 1509-1513.
- Suri, JT; Mitsumori, S; Albertshofer, K; Tanaka, F; Barbas, CF. (2006). Dihydroxyacetone variants in the organocatalytic construction of carbohydrates: Mimicking tagatose and fucose aldolases. *J Org Chem*. 71: 3822-3828.
- Suthersan, S; Gentile, M; Bell, C; Quinnan, J; Horst, J. (2016). Big Data and Environmental Remediation: Gaining Predictive Insights. *Ground Water Monitoring and Remediation*. 36: 21-31.
- Suthersan, S; Quinnan, J; Horst, J; Ross, I; Kalve, E; Bell, C; Pancras, T. (2016). Making Strides in the Management of "Emerging Contaminants". *Ground Water Monitoring and Remediation*. 36: 15-25.
- Suzuki, H; Moritani, T; Morinaga, T; Seto, Y; Sato, H; Onoue, S. Amorphous solid dispersion of cyclosporine A prepared with fine droplet drying process: Physicochemical and pharmacokinetic characterization. *Int J Pharm*.
- Suzuki, H; Nojiri, M; Kamiya, N; Noguchi, T. (2004). Thermal equilibrium of two conformations in photosensitive nitrile hydratase probed by the FTIR band of nitric oxide bound to the non-heme iron center. *J Biochem*. 136: 115-121.

Environmental Hazard Literature Search Results

Off Topic

- Suzuki, M; Matsuda, T; Asano, S; Somboonthum, P; Takuma, K; Baba, A. (1995). Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation. *Br J Pharmacol.* 115: 703-711.
- Sychev, SV; Ivanov, VT. (2014). Large scale conformational transitions in beta-structural motif of gramicidin A: kinetic analysis based on CD and FT-IR data. *J Pept Sci.* 20: 657-667.
- Symeonidis, T; Chamilos, M; Hadjipavlou-Litina, DJ; Kallitsakis, M; Litinas, KE. (2009). Synthesis of hydroxycoumarins and hydroxybenzo f - or h coumarins as lipid peroxidation inhibitors. *Bioorganic & Medicinal Chemistry Letters.* 19: 1139-1142.
- Symonds, HW; Ke, Y. (1989). Enhancement of tetrathiomolybdate-induced copper excretion in bile of sheep by the alpha 2-agonistic action of xylazine. *Research in veterinary science.* 46: 349-353.
- Symons, MCR; Beugelmans, R; Bowman, WR; Lechevalier, A. (1989). Electron addition to 5-bromo-5-nitro-1,3-dioxanes. *Tetrahedron Letters.* 30: 5949-5952.
- Szab³, As; Kotorm³, Mr; Laczk³, I; Simon, LMr. (2006). Spectroscopic studies of stability of papain in aqueous organic solvents. *Journal of Molecular Catalysis B: Enzymatic.* 41: 43-48.
- Szczepanik, M; Ignatowicz, S. (1995). A rapid method of detection of irradiated insects: Changes in the midgut of larvae of the Indian meal moth, *Plodia interpunctella* Hubner, induced by irradiation. *Bulletin Of The Polish Academy Of Sciences Biological Sciences.* 43: 121-126.
- Szelenyi, I; Nickel, B. (1991). Pharmacological profile of flupirtine, a novel centrally acting, non-opioid analgesic drug. *Agents and actions Supplements.* 32: 119-123.
- Sznitowska, M; Placzek, M. (2003). Use of 1,4-dioxan for preparation of bupivacaine loaded PLGA microspheres with an o/w emulsion extraction process. *Pharmazie.* 58: 437-438.
- Szostak, M; Spain, M; Procter, DJ. (2012). Selective synthesis of 3-hydroxy acids from Meldrum's acids using SmI₂-H₂O. *Nature Protocols.* 7: 970-977.
- Tabtabaei, S; Boocock, DGB; Diosady, LL. (2014). Biodiesel Feedstock from Emulsions Produced by Aqueous Processing of Yellow Mustard. *Journal of the American Oil Chemists Society.* 91: 1269-1282.
- Tabtabaei, S; Diosady, LL. (2012). The Isolation of Yellow Mustard Oil Using Water and Cyclic Ethers. *Journal of the American Oil Chemists Society.* 89: 935-945.
- Tabushi, FI; Nomura, LM; Malafaia, O; Ribas-Filho, JM; Polonio, B; Repka, JC; Ioshii, S; Costa-Filho, OA. (2012). Cecorraphy in single layer using polypropylene and poliglecaprone 25 threads: comparative study in rats. *Acta cirúrgica brasileira / Sociedade Brasileira para Desenvolvimento Pesquisa em Cirurgia.* 27: 251-255.
- Tada, M; Katayama, E; Sakurai, N; Murofushi, K. (2004). Bis(pentafluorophenyl) disulfide as a hydrogen abstractor and an electron acceptor from the resulting radical intermediate. *Tetrahedron Letters.* 45: 17-19.
- Tada, T; Ishida, Y; Saigo, K. (2006). Synthesis and reactions of 2,2- 60 fullerenoalkanoyl chlorides. *J Org Chem.* 71: 1633-1639.
- Tagliatalata-Scafati, O; Fattorusso, E; Romano, A; Scala, F; Barone, V; Cimino, P; Stendardo, E; Catalanotti, B; Persico, M; Fattorusso, C. (2010). Insight into the mechanism of action of plakortins, simple 1,2-dioxane antimalarials. *Organic & Biomolecular Chemistry.* 8: 846-856.
- Taha, M. (2004). Thermodynamic study of the second-stage dissociation of N,N-bis-(2-hydroxyethyl)glycine (bicine) in water at different ionic strength and different solvent mixtures. *Ann Chim.* 94: 971-978.
- Taha, M; Lee, MJ. (2009). Buffer interactions: Densities and solubilities of some selected biological buffers in water and in aqueous 1,4-dioxane solutions. *Biochem Eng J.* 46: 334-344.
- Taha, M; Lee, MJ. (2013). TES buffer-induced phase separation of aqueous solutions of several water-miscible organic solvents at 298.15 K: phase diagrams and molecular dynamic simulations. *The Journal of chemical physics.* 138: 244501.
- Taha, M; Teng, H-L; Lee, M-J. (2013). Buffering-out: Separation of tetrahydrofuran, 1,3-dioxolane, or 1,4-dioxane from their aqueous solutions using EPPS buffer at 298.15K. *Separation and Purification Technology.* 105: 33-40.
- Tahara, M; Obama, T; Ikarashi, Y. (2013). Development of analytical method for determination of 1,4-dioxane in cleansing products. *International tional journal of cosmetic sciDAT- 20130805.* 35: 575-580.
- Tai, A; Iwaoka, Y; Mori, T; Ito, H. (2010). Protease-Catalyzed Monoacylation of 2-O-alpha-D-Glucopyranosyl-L-ascorbic Acid in Three Solvent Systems. *Bioscience Biotechnology and Biochemistry.* 74: 1969-1971.
- Tajmir-Riahi, HA; Wang, G; Leblanc, RM. Far-infrared spectra of Langmuir-Blodgett films of chlorophyll a, chlorophyll b, pheophytin a and their adducts with water and dioxane. *Photochem Photobiol.* Aug 1991. v. 54 (2): 265-271.
- Takagi, H; Hayashi, T; Mizutani, T; Masuda, H; Ogoshi, H. (1999). Synthesis and structure of tetraols with convergent and divergent arrays of hydroxy groups. *Journal of the Chemical Society-Perkin Transactions 11885-1892.*
- Takahashi, H; Nakajima, S; Asano, R; Nakae, Y; Sakata, I; Iizuka, H. (2009). Photodynamic therapy using a novel photosensitizer, EC036, is more effective compared with ATX-S10(Na) photodynamic therapy. *Journal of dermatological science.* 55: 130-132.
- Takahashi, H; Nakajima, S; Asano, R; Nakae, Y; Sakata, I; Iizuka, H. (2012). Photodynamic therapy using a novel photosensitizer, TONS501, is similarly effective to ALA and EC036 photodynamic therapy on DMBA-and TPA-induced mouse skin papilloma. *Journal of dermatological science.* 66: 221-224.
- Takahashi, N; Hibino, T; Torii, H; Shibata, S; Tasaka, S; Yoneya, J; Matsuda, M; Ogasawara, H; Sugimoto, K; Fujioka, T. (2013). Evaluation of O-3/UV and O-3/H₂O₂ as Practical Advanced Oxidation Processes for Degradation of 1,4-Dioxane. *Ozone-Science & Engineering.* 35: 331-337.
- Takahashi, O; Yamasaki, K; Kohno, Y; Ohtaki, R; Ueda, K; Suezawa, H; Umezawa, Y; Nishio, M. (2007). The anomeric effect revisited. A possible role of the CH/n hydrogen bond. *Carbohydr Res.* 342: 1202-1209.
- Takahashi, S; Yoshinobu, Y; Aida, R; Shimomura, H; Akiyama, M; Moriya, T; Shibata, S. (2015). Extended action of MKC-242, a selective 5-HT(1A) receptor agonist, on light-induced Per gene expression in the suprachiasmatic nucleus in mice. *Mol Cell Biol.* 35: 662-674.

Environmental Hazard Literature Search Results

Off Topic

- Takahashi, Y; Tanaka, N; Kubota, T; Ishiyama, H; Shibazaki, A; Gonoi, T; Fromont, J; Kobayashi, J. (2012). Heteroaromatic alkaloids, nakijinamines, from a sponge *Suberites* sp. *Tetrahedron*. 68: 8545-8550.
- Takano, A; Horaiya, T; Odamaki, F; Akazawa, Y; Ohta, Y; Kawaguchi, D; Takahashi, Y; Matsushita, Y. (2012). Preparation and characterization of polyisoprenes and polybutadienes having 1,2- \bar{A} , and 3,4-linkages preferentially. *Polymer*. 53: 3354-3359.
- Takaya, Y; Ogasawara, M; Hayashi, T. (1998). Rhodium-catalyzed asymmetric 1,4-addition of 2-alkenyl-1,3,2-benzodioxaboroles to α,β -unsaturated ketones. *Tetrahedron Letters*. 39: 8479-8482.
- Takaya, Y; Ogasawara, M; Hayashi, T. (2000). Asymmetric 1,4-addition of phenylboronic acid to 2-cyclohexenone catalyzed by Rh(I)/binap complexes. *Chirality*. 12: 469-471.
- Takayanagi, I; Harada, M; Koike, K; Satoh, M. (1991). Differences in α 1-adrenoceptor mechanisms for phenylephrine and tizanidine in rabbit thoracic aorta and common iliac artery. *Canadian journal of physiology and pharmacology*. 69: 1819-1824.
- Takemura, K; Takada, K; Mameya, S; Kaibara, M; Taniyama, K. (1999). Regional and functional differences of 5-hydroxytryptamine-receptor subtypes in guinea pig stomach. *Japanese journal of pharmacology*. 79: 41-49.
- Takwa, M; Larsen, MW; Hult, K; Martinelle, M. (2011). Rational redesign of *Candida antarctica* lipase B for the ring opening polymerization of D,D-lactide. *Chemical communications (Cambridge, England)*. 47: 7392-7394.
- Tam, CN. (1996). Molecular Zeeman and natural vibrational optical activity studies of selected molecules. PhD, University of Illinois at Chicago.
- Tamaki, M; Honda, K; Kikuchi, S; Ishii, R. (2006). Biomimetic formation of gramicidin S by dimerization-cyclization of pentapeptide precursor on solid support. *Tetrahedron Letters*. 47: 8475-8478.
- Tamaru, Y; Bando, T; Hojo, M; Yoshida, Z-i. (1987). Synthesis of 2-vinyl- \bar{I}^3 -butyrolactones by the palladium-catalyzed decarboxylative carbonylation of 3-vinyl-1-oxo-2,6-dioxacyclohexanes. *Tetrahedron Letters*. 28: 3497-3500.
- Tamblyn, WH; E. Waltermire, R. (1983). Nucleophilic ring opening of diethyl 1,1-cyclopropanedicarboxylate using Na₂Fe(CO)₄·32 dioxane. *Tetrahedron Letters*. 24: 2803-2806.
- Tamburella, A; Micale, V; Navarria, A; Drago, F. (2009). Antidepressant properties of the 5-HT₄ receptor partial agonist, SL65.0155: behavioral and neurochemical studies in rats. *Progress in neuro-psychopharmacology & biological psychiatry*. 33: 1205-1210.
- Tan, H; Miletic, V. (1992). Diverse actions of 5-hydroxytryptamine on frog spinal dorsal horn neurons in vitro. *Neuroscience*. 49: 913-923.
- Tan, HS; van, NJ; Collewijn, H; Pompeiano, O. (1991). Effects of α -noradrenergic substances on the optokinetic and vestibulo-ocular responses in the rabbit: a study with systemic and intrafloccular injections. *Brain Res*. 562: 207-215.
- Tanabe, A; Kawata, K. (2009). Impact of N,N-Dimethylformamide from Domestic Effluents on River Waters. *Bull Environ Contam Toxicol*. 83: 841-845.
- Tanabe, A; Tsuchida, Y; Ibaraki, T; Kawata, K. (2006). Impact of 1,4-dioxane from domestic effluent on the Agano and Shinano Rivers, Japan. *Bull Environ Contam Toxicol*. 76: 44-51.
- Tanaka, E; Kinoshita, H; Yoshida, T; Kuroiwa, Y. (1981). Determination of Plasma Trimethadione and Its Metabolite in Carbon Tetrachloride-Intoxicated Rat Liver: A Useful Tool for Estimation of Hepatic Drug-Metabolizing Capacity. *J PHARM DYN*. 4: 961-967.
- Tanaka, K; Iwashita, T; Sasaki, C; Takahashi, H. (2014). Ring-expanded chiral rhombamine macrocycles for efficient NMR enantiodiscrimination of carboxylic acid derivatives. *Tetrahedron: Asymmetry*. 25: 602-609.
- Tanaka, K; Kiyosawa, N; Honda, K; Sharyo, S; Ito, K; Teranishi, M; Manabe, S. (2007). Resistance to the skeletal muscle injury expressed by repeated treatment with compound A that has HMG-CoA reductase inhibitory activity. *The Journal of toxicological sciences*. 32: 9-18.
- Tanaka, K; Nomura, H; Onosaka, S; Min, KS. (1981). Release of Hepatic Cadmium by Carbon Tetrachloride Treatment. *TOXICOL AND APPL PHARMACOL*. 59: 535-539.
- Tanaka, SY; Tagashira, N; Chiba, K; Yasuda, M; Baba, A. (2008). Germanium(II)-Mediated reductive cross-aldol reaction of bromoaldehydes with aldehydes: NMR studies and ab initio calculations. *J Org Chem*. 73: 6312-6320.
- Tang, DL; Song, F; Chen, C; Wang, XL; Wang, YZ. (2013). A pH-responsive chitosan-b-poly(p-dioxanone) nanocarrier: formation and efficient antitumor drug delivery. *Nanotechnology*. 24: 145101.
- Tang, JM; Liu, TA; Liu, RS. (2008). Gold-Catalyzed Hydrative Carbocyclization of 1,5- and 1,6-Diyn-3-ones via an Oxygen Transfer Process. *J Org Chem*. 73: 8479-8483.
- Tao, B; Boykin, DW. (2004). Simple amine/Pd(OAc)₂-catalyzed Suzuki coupling reactions of aryl bromides under mild aerobic conditions. *J Org Chem*. 69: 4330-4335.
- Tao, YB; Li, SJ; Li, P; Wu, QL. (2016). Thermogravimetric analyses (TGA) of lignins isolated from the residue of corn stover bioethanol (CSB) production. *Holzforschung*. 70: 1175-1182.
- Tashiro, K; Konishi, K; Aida, T. (2000). Metal bisporphyrinate double-decker complexes as redox-responsive rotating modules. Studies on ligand rotation activities of the reduced and oxidized forms using chirality as a probe. *J Am Chem Soc*. 122: 7921-7926.
- Tau, TAF; Morais, CG; Miranda, RA; Robes, RR; Ioshii, SO; Doggrell, SA; Hughes, EW. (2014). Comparison of the effects of labetalol and SCH 19927, the R1R isomer of labetalol, on the rat isolated right ventricle and aorta. *Acta cirurgica brasileira / Sociedade Brasileira para Desenvolvimento Pesquisa em Cirurgia*. 29 Suppl 1: 45-51.
- Taube, R; Maiwald, S; Sieler, J. (1996). XLVII. Darstellung und Charakterisierung einiger anionischer Allylneodym(III)-Komplexe als Katalysatoren für die stereospezifische Butadienpolymerisation: Li[Nd(\bar{I}^3 -C₃H₅)₄] \bar{A} · 1,5Dioxan, Li[Nd(\bar{I}^3 -C₃H₅)₃] \bar{A} · 2Dioxan und Li[Nd(\bar{I}^5 -C₅Me₅)(\bar{I}^3 -C₃H₅)₃] \bar{A} · 3Dimethylglykoether. *Journal of Organometallic Chemistry*. 513: 37-47.
- Taube, R; Maiwald, S; Sieler, J. (2001). Komplexkatalyse: LVII. Vereinfachte Synthese des Nd(\bar{I}^3 -C₃H₅)₃·C₄H₈O₂ nach der Grignard-Methode und Darstellung der neuen Allylneodym(III)-Komplexe [Nd(\bar{I}^3 -C₃H₅)₂·C₄H₈O₂] und [Nd(\bar{I}^3 -C₃H₅)Cl(THF)₅]B(C₆H₅)₄·THF als Pr \bar{A} katalysatoren für die stereospezifische Butadienpolymerisation. *Journal of Organometallic Chemistry*. 621: 327-336.

Environmental Hazard Literature Search Results

Off Topic

- Taube, R; Windisch, H. (1994). Komplexkatalyse: XLIV. Darstellung und charakterisierung von monocyclopentadienyl-tri(allyl)lanthanat(III)-komplexen und ihre eignung zur katalyse der stereospezifischen butadienpolymerisation. *Journal of Organometallic Chemistry*. 472: 71-77.
- Taube, R; Windisch, H; Hemling, H; Schumann, H. (1998). Komplexkatalyse: LIII. Darstellung und Charakterisierung der Bis(η^3 -allyl)lanthanhalogenid-Komplexe $\text{La}(\eta^3\text{-C}_3\text{H}_5)_2\text{X} \cdot 2\text{THF}$ (X=Cl, Br, I) als Pr $\ddot{\text{a}}$ rkatalysatoren f $\ddot{\text{u}}$ r die stereospezifische Butadienpolymerisation, ein Beitrag zur weiteren Kl $\ddot{\text{a}}$ rung der katalytischen Struktur-Wirkungsbeziehung. *Journal of Organometallic Chemistry*. 555: 201-210.
- Taube, R; Windisch, H; Maiwald, S; Hemling, H; Schumann, H. (1996). XLVIII. Synthese und struktur der ersten neutralen Tris(allyl) lanthanoid-komplexe $\text{La}(\eta^3\text{-C}_3\text{H}_5)_3 \cdot 1,5$ Dioxan und $\text{Nd}(\eta^3\text{-C}_3\text{H}_5)_3 \cdot \text{Dioxan}$ und ihre Eignung als σ -Katalysatoren f $\ddot{\text{u}}$ r die stereospezifische Butadienpolymerisation. *Journal of Organometallic Chemistry*. 513: 49-61.
- Taube, R; Windisch, H; Weill $\ddot{\text{e}}$ born, H; Hemling, H; Schumann, H. (1997). Komplexkatalyse LI. Komplexe des Tris(allyl)lanthans mit verschiedenen Donorliganden $\text{La}(\eta^3\text{-C}_3\text{H}_5)_3 \cdot \text{L}$ (L:DME, TMED, 2HMPT) und ihre katalytischen Eigenschaften in der stereospezifischen Butadienpolymerisation. *Journal of Organometallic Chemistry*. 548: 229-236.
- Taura, T. (1998). Inversion of stereoselectivity in the association between tris(oxalato)cobaltate(III) and bovine serum albumin by the addition of dioxane to aqueous solutions. *Inorganic Chemistry Communications*. 1: 77-79.
- Tavernier, D; Anteunis, M. (1971). NMR-Experiments on acetals $\ddot{\text{a}}$ part 31 : PMR-features and conformations of the isomeric 2,6-dime-4-t.Bu-1,3-dioxanes. *Tetrahedron*. 27: 1677-1683.
- Tawaki, S; Uchida, Y; Maeda, Y; Ikeda, I. (2005). HRP-catalyzed polymerization of sugar-based phenols in aqueous organic solvents. *Carbohydr Polymer*. 59: 71-74.
- Tayh, JA; Scott, RM. (1990). Steric factors in the short-range solvation of secondary amines. *Journal of Molecular Structure*. 237: 297-305.
- Taylor, PH; Dellinger, B; Lee, CC. (1990). Development of a thermal stability based ranking of hazardous organic compound incinerability. *Environ Sci Technol*. 24: 316-328.
- Taylor, SW; Lange, CR; Lesold, EA. Biofouling of contaminated ground-water recovery wells: characterization of microorganisms. *Ground Water*. Nov/Dec 1997. v. 35 (6): 973-980.
- Teamkao, P; Thiravetyan, P. (2015). Phytoremediation of Mono-, Di-, and Triethylene Glycol by *Echinodorus cordifolius* L. Griseb. *Int J Phytoremediation*. 17: 93-100.
- Tehrani, SM; Lu, YJ; Guerin, G; Soleimani, M; Pichugin, D; Winnik, MA. (2015). Temperature-Invariant Aqueous Microgels as Hosts for Biomacromolecules. *Biomacromolecules*. 16: 3134-3144.
- Teichmann, L; Reuschenbach, P; Muller, B; Horn, H. (2002). 2D simulation of transport and degradation in the river Rhine. *Water Science and Technology*. 46: 99-104.
- Teng, H; Lou, L; Koike, K; Koike, Y; Okamoto, Y. (2011). Synthesis and characterization of trifluoromethyl substituted styrene polymers and copolymers with methacrylates: Effects of trifluoromethyl substituent on styrene. *Polymer*. 52: 949-953.
- Terec, A; Grosu, I; Condamine, E; Breaux, L; Ple, G; Ramondenc, Y; Rochon, FD; Peulon-Agasse, V; Opris, D. (2004). Pentaspiranes and hexaspiranes with 1,3-dioxane or 1,3-oxathiane rings: synthesis and stereochemistry. *Tetrahedron*. 60: 3173-3189.
- Terent'ev, AO; Khodykin, SV; Krylov, IB; Ogibin, YN; Nikishin, GI. (2006). A convenient synthesis of 2,2-dibromo-1-arylethanones by bromination of 1-arylethanones with the $\text{H}_2\text{O}(2)\text{-HBr}$ system. *Synthesis-Stuttgart*1087-1092.
- Terr $\ddot{\text{a}}$ cn, JA; HoU, HE; Villal $\ddot{\text{a}}$ cn, CM. (1994). Inhibition of serotonin-induced increase in canine external carotid blood flow by drugs that decrease the sympathetic outflow. *J Auton Pharmacol*. 14.
- Tevis, ID; Palmer, LC; Herman, DJ; Murray, IP; Stone, DA; Stupp, SI. (2011). Self-Assembly and Orientation of Hydrogen-Bonded Oligothiophene Polymorphs at Liquid-Membrane-Liquid Interfaces. *J Am Chem Soc*. 133: 16486-16494.
- Thaimattam, R; Xue, F; Sarma, J; Mak, TCW; Desiraju, GR. (2001). Inclusion compounds of tetrakis(4-nitrophenyl)methane: C-H center dot center dot center dot O networks, pseudopolymorphism, and structural transformations. *J Am Chem Soc*. 123: 4432-4445.
- Thakali, K; Davenport, L; Fink, GD; Watts, SW. (2007). Cyclooxygenase, p38 mitogen-activated protein kinase (MAPK), extracellular signal-regulated kinase MAPK, Rho kinase, and src mediate hydrogen peroxide-induced contraction of rat thoracic aorta and vena cava. *J Pharmacol Exp Ther*. 320: 236-243.
- Thakkar, AL; Wilham, WL; Zograf, G. (1970). Adsorption of Methylene Blue by Potato Starch: Effect of Methanol, Dioxane, Sucrose, and Urea in Aqueous Systems. *J Pharm Sci*. 59: 1466-1470.
- Thanh, ND; Mai, NTT. (2009). Synthesis of N-tetra-O-acetyl-beta-D-glucopyranosyl-N 4 -(4',6'-diarylpyrimidin-2'-yl)thioureas. *Carbohydr Res*. 344: 2399-2405.
- Thathong, Y; Jitchati, R; Wongkhan, K. (2012). Air-Stable Anthracene-Phosphine Oxide Adduct Ligand in Pd Catalysed Suzuki-Miyaura Reactions. *APCBEE Procedia*. 3: 154-160.
- Theiler, S; Mela, P; Diamantouros, SE; Jockenhoevel, S; Keul, H; Moller, M. (2011). Fabrication of Highly Porous Scaffolds for Tissue Engineering Based on Star-Shaped Functional Poly(epsilon-Caprolactone). *Biotechnol Bioeng*. 108: 694-703.
- Therrien, B; Vieille-Petit, L; S $\ddot{\text{a}}$ ss-Fink, G. (2004). Host $\ddot{\text{a}}$ guest properties of the trinuclear arene $\ddot{\text{a}}$ ruthenium cluster cation $[\text{H}_3\text{Ru}_3(\text{C}_6\text{H}_6)(\text{C}_6\text{Me}_6)_2(\text{O})]^+$. *Inorganica Chimica Acta*. 357: 3289-3294.
- Thery, N; Szymoniak, J; Moise, C. (1999). Lewis acid promoted reaction of acetals with eta(3)-crotyltitanium reagents. *Tetrahedron Letters*. 40: 3155-3158.
- Thi, QV; Tran, VH; Mai, HDT; Le, CV; Hong, MLT; Murphy, BT; Chau, VM; Pham, VC. (2016). Antimicrobial Metabolites from a Marine-Derived Actinomycete in Vietnam's East Sea. *Natural Product Communications*. 11: 49-51.

Environmental Hazard Literature Search Results

Off Topic

- Thirupathi, G; Venkatanarayana, M; Dubey, PK; Kumari, YB. (2014). Eco-friendly synthesis and antimicrobial activities of substituted-5-(1H-indol-3-yl)methylene)-2,2-dimethyl-1,3-dioxane-4,6-dione derivatives. *Medicinal Chemistry Research*. 23: 1569-1580.
- Thode, CJ. (2009). Synthetic organic chemistry at the nanoparticle monolayer solution interface. PhD, The Pennsylvania State University.
- Thomas, DN; Nutt, D; Holman, RB. (2015). Regionally specific changes in extracellular noradrenaline following chronic idazoxan as revealed by in vivo microdialysis. *Int J Phytoremediation*. 261: 53-57.
- Thomas, GP. (1995). Corynanthine inhibits, while idazoxan potentiates, cardiotoxic effects of ouabain. *Journal of autonomic pharmacology*. 15: 85-91.
- Thomas, GP. (1995). Studies on the protective effect of azepexole on ouabain-induced cardiac arrhythmias and lethality in guinea-pig. *Eur J Pharmacol*. 276: 215-221.
- Thomson, CS; Dolbier, WR. (2013). Use of Fluoroform as a Source of Difluorocarbene in the Synthesis of Difluoromethoxy- and Difluorothiomethoxyarenes. *J Org Chem*. 78: 8904-8908.
- Thompson, JR; Hsu, WH; Kersting, KW. (1989). Antagonistic effect of idazoxan on xylazine-induced central nervous system depression and bradycardia in calves. *American journal of veterinary research*. 50: 734-736.
- Thorat, KG; Kamble, P; Mallah, R; Ray, AK; Sekar, N. (2015). Congeners of Pyromethene-567 Dye: Perspectives from Synthesis, Photophysics, Photostability, Laser, and TD-DFT Theory. *J Org Chem*. 80: 6152-6164.
- Thornton, JE; Roy, M; Vincent, P; Goy, RW; McEwen, BS; Feder, HH. (1993). Idazoxan decreases estrogen-induced lordosis in female but not "hormone-independent" lordosis in male guinea pigs of an inbred strain. *Psychoneuroendocrinology*. 18: 115-121.
- Thubsuang, U; Ishida, H; Wongkasemjit, S; Chaisuwan, T. (2014). Self-formation of 3D interconnected macroporous carbon xerogels derived from polybenzoxazine by selective solvent during the sol-gel process. *Journal of Materials Science*. 49: 4946-4961.
- Tian, HY; Sun, BG; Tang, LW; Ye, HL. (2011). Application of Sharpless asymmetric epoxidation on the preparation of the optically active flavours 3-methylthiohexanal and 5(6)-butyl-1,4-dioxan-2-one. *Flavour and Fragrance Journal*. 26: 65-69.
- Tiecco, M; Testaferri, L; Marini, F; Sternativo, S; Santi, C; Bagnoli, L; Temperini, A. (2003). Synthesis of enantiomerically pure 1,4-dioxanes from alkenes promoted by organoselenium reagents. *Tetrahedron: Asymmetry*. 14: 1095-1102.
- Tietze, LF; Wulff, C; Wegner, C; Schuffenhauer, A; Schiemann, K. (1998). Mechanistic investigations on the highly stereoselective allylation of aldehydes with a norpseudoephedrine derivative. *J Am Chem Soc*. 120: 4276-4280.
- Timm, DE; Benveniste, M; Weeks, AM; Nisenbaum, ES; Partin, KM. (2011). Structural and Functional Analysis of Two New Positive Allosteric Modulators of GluA2 Desensitization and Deactivation. *Mol Pharmacol*. 80: 267-280.
- Timm, U; Zeller, K-P; Meier, H. (1977). Photolyse von 2-oxo-[2-13c]-1-diazocyclohexan. Ein beitrag zum oxiren-problem. *Tetrahedron*. 33: 453-455.
- Timmermans, PB; Van, ZPA. (1980). Centrally induced impairment of the hypotensive effects of R 28935 and R 29814 by prazosin in anaesthetized cats. *Eur J Pharmacol*. 61: 385-388.
- Timoshchuk, V. (2005). Functionalization of pyrimidine and purine nucleosides at C4 and C6: C-nucleophilic substitution of their C4- and C6-(1,2,4-triazol-1-yl) derivatives. *Nucleosides Nucleotides & Nucleic Acids*. 24: 1043-1046.
- Tinwell, H; Ashby, J. (1994). Activity of 1,4-dioxane in mouse bone marrow micronucleus assays. *Mutat Res*. 322: 148-150.
- Tippmann, EM. (2003). Studies of carbene-solvent interactions. PhD, The Ohio State University.
- Tippmann, EM; Platz, MS; Svir, IB; Klymenko, OV. (2004). Evidence for specific solvation of two halocarbene amides. *J Am Chem Soc*. 126: 5750-5762.
- TodoroviÄš, ZB; StamenkoviÄš, OS; StamenkoviÄš, IS; AvramoviÄš, JM; VeliÄš koviÄš, AV; BankoviÄš-IliÄš, IB; VeljkoviÄš, VB. (2013). The effects of cosolvents on homogeneously and heterogeneously base-catalyzed methanolysis of sunflower oil. *Fuel*. 107: 493-502.
- Tokuyasu, T; Kunikawa, S; McCullough, KJ; Masuyama, A; Nojima, M. (2005). Synthesis of cyclic peroxides by chemo- and regioselective peroxidation of dienes with Co(II)/O-2/Et3SiH. *J Org Chem*. 70: 251-260.
- Toledano, CA; de, GAC; White, IR; Flyvholm, MA; Lensen, G; Coenraads, PJ. (2011). Formaldehyde-releasers in cosmetics: relationship to formaldehyde contact allergy. Part 1. Characterization, frequency and relevance of sensitization, and frequency of use in cosmetics. *International Journal of Molecular Sciences*. 12: 6703-6721.
- Toles, CA; Marshall, WE; Johns, MM. (1998). Phosphoric acid activation of nutshells for metals and organic remediation: Process optimization. *J Chem Tech Biotechnol*. 72: 255-263.
- Tomaszewski, MJ; Whalley, A; Hu, YJ. (2008). A one-pot synthesis of 2,3-dihydro-1H-pyrrolo 3,2-c quinolines. *Tetrahedron Letters*. 49: 3172-3175.
- Tomihata, K; Suzuki, M; Ikada, Y. (2001). The pH dependence of monofilament sutures on hydrolytic degradation. *J Biomed Mater Res*. 58: 511-518.
- Tomioka, H; Ozaki, Y; Izawa, Y. (1985). Modification of singlet carbene reactivities by solvent. *Tetrahedron*. 41: 4987-4993.
- Tomooka, K; Igarashi, T; Nakai, T. (1994). A practical synthetic method for enantio-enriched 1±-hydroxystannanes. *Tetrahedron Letters*. 35: 1913-1916.
- Toncsev, H; Pollak, Z; Kiss, A; Sreter, L; Feher, J. (1982). Acute carbon tetrachloride induced lysosomal membrane damage and the membrane protecting effect of a new dihydroquinoline-type antioxidant. *International Journal of Tissue Reactions*. 4: 325-330.
- Tong, AM; Lu, WY; Xu, JH; Lin, GQ. (2004). Use of apple seed meal as a new source of P-glucosidase for enzymatic glucosylation of 4-substituted benzyl alcohols and tyrosol in monophasic aqueous-dioxane medium. *Bioorganic & Medicinal Chemistry Letters*. 14: 2095-2097.
- Tong, A-M; Xu, J-H; Lu, W-Y; Lin, G-Q. (2005). Construction and optimization of a monophasic organic-aqueous water system for enzymatic synthesis of p-nitrobenzyl 1²-d-glucopyranosides by reverse hydrolysis. *Journal of Molecular Catalysis B: Enzymatic*. 32: 83-88.

Environmental Hazard Literature Search Results

Off Topic

- Torang, L; Reuschenbach, P; Muller, B; Nyholm, N. (2002). Laboratory shake flask batch tests can predict field biodegradation of aniline in the Rhine. *Chemosphere*. 49: 1257-1265.
- Tormakangas, OP; Koskinen, AMP. (2001). Monoalcohols of 1,3-diols as effective catalysts in the Tishchenko esterification of 1,3-dioxan-4-ols. *Tetrahedron Letters*. 42: 2743-2746.
- Torres, C; Bernabe, M; Otero, C. (1999). Part II. Two enzymatic procedures for the selective synthesis of malic acid monoesters. *Enzyme Microb Technol*. 25: 753-761.
- Tosoni, M; Laschat, S; Baro, A. (2004). Synthesis of novel chiral ionic liquids and their phase behavior in mixtures with smectic and nematic liquid crystals. *Helvetica Chimica Acta*. 87: 2742-2749.
- Toth, M; Kover, KE; Benyei, A; Somsak, L. (2003). C-Glycosylmethylene carbenes: synthesis of anhydro-aldose tosylhydrazones as precursors; generation and a new synthetic route to exo-glycals. *Organic & Biomolecular Chemistry*. 1: 4039-4046.
- Toto, P; Gesquiere, JC; Cousaert, N; Deprez, B; Willand, N. (2006). UFU ('Ullmann-Finkelstein-Ullmann'): a new multicomponent reaction. *Tetrahedron Letters*. 47: 4973-4978.
- Toto, P; Gesquiere, JC; Deprez, B; Willand, N. (2006). Synthesis of N-(iodophenyl)-amides via an unprecedented Ullmann-Finkelstein tandem reaction. *Tetrahedron Letters*. 47: 1181-1186.
- Townsend, RW; Schulman, SG. (1992). Fluorimetric determination of operational pH in 1,4-dioxane-water solutions. *Anal Chim Acta*. 269: 257-261.
- Tramutola, F; Chiummiento, L; Funicello, M; Lupattelli, P. (2015). Practical and efficient ipso-iodination of arylboronic acids via KF/I-2 system. *Tetrahedron Letters*. 56: 1122-1123.
- Tran-Ba, KH; Higgins, DA; Ito, T. (2015). Fluorescence Recovery after Photobleaching and Single-Molecule Tracking Measurements of Anisotropic Diffusion within Identical Regions of a Cylinder-Forming Diblock Copolymer Film. *Anal Chem*. 87: 5802-5809.
- Travis, CC; Wang, LA; Waehner, MJ. (1991). Quantitative correlation of carcinogenic potency with four different classes of short-term test data. *Mutagenesis*. 6: 353-360.
- Treguier, B; Hamze, A; Provot, O; Brion, JD; Alami, M. (2009). Expedient synthesis of 1,1-diarylethylenes related to isocombretastatin A-4 (isoCA-4) via palladium-catalyzed arylation of N-tosylhydrazones with aryl triflates. *Tetrahedron Letters*. 50: 6549-6552.
- Trivich, DAN. (1943). THE KINETICS OF THE DECOMPOSITION OF TRINITROBENZOIC ACID IN DIOXANE - WATER MIXTURES. PhD, The Ohio State University.
- Trumper, WS. (1985). TOTAL SYNTHESIS OF SARRACENIN AND PRELIMINARY INVESTIGATIONS DIRECTED TOWARD SESBANIMIDE. PhD, University of Minnesota.
- Trytek, M; Fiedurek, J; Gromada, A. (2016). Effect of some abiotic stresses on the biotransformation of α -pinene by a psychrotrophic *Chrysosporium pannorum*. *Biochem Eng J*. 112: 86-93.
- Tseng, YY; Liao, JY; Chen, WA; Kao, YC; Liu, SJ. (2014). Biodegradable poly([D,L]-lactide-co-glycolide) nanofibers for the sustainable delivery of lidocaine into the epidural space after laminectomy. *Nanomedicine (London, England)*. 9: 77-87.
- Tsuchiya, Y; Izumisawa, Y; Togo, H. (2009). 3-exo-tet Cyclization of 2,2-disubstituted 1,3-dihalopropanes with indium in aqueous and ionic liquid solvent system. *Tetrahedron*. 65: 7533-7537.
- Tsuda, M; Terao, K; Kitamura, S; Sato, T. (2012). Solvent-dependent conformation of a regioselective amylose carbamate: Amylose-2-acetyl-3,6-bis(phenylcarbamate). *Biopolymers*. 97: 1010-1017.
- Tsukada, H; Yamada, N; Taniguchi, E; Kawano, E. (2000). Synthesis and lateral root-inducing activity of novel 2-piperidones with a 1,4-benzodioxan ring. *Journal of the Faculty of Agriculture Kyushu University*. 44: 317-328.
- Tsukada, N; Ohba, Y; Inoue, Y. (2003). Double carbonylation of aryl iodides with diethylamine catalyzed by dinuclear palladium complexes. *Journal of Organometallic Chemistry*. 687: 436-443.
- Tsuno, T; Sugiyama, K. (1992). Photochemistry of o-methyl-substituted aromatic ketone with 5-isobutylidene-1,3-dioxane-4-,6-dione derivatives. *Tetrahedron Letters*. 33: 2829-2832.
- Tsuzuki, W; Ue, A; Nagao, A. (2003). Polar organic solvent added to an aqueous solution changes hydrolytic property of lipase. *Bioscience Biotechnology and Biochemistry*. 67: 1660-1666.
- Tsvetkov, NV; Bushin, SV; Bezrukova, MA; Astapenko, EP; Mikusheva, NG; Lebedeva, EV; Podseval'nikova, AN; Khripunov, AK. (2013). Conformational and optical properties of macromolecules of some aliphatic-substituted cellulose esters. *Cellulose*. 20: 1057-1071.
- Tucker, RK. (1981). Groundwater Quality in New Jersey--An Investigation of Toxic Contaminants. Report March 1981 60 p, 10 Fig, 8 Tab, 101 Ref, 1 Append.
- Tuladhar, BR; Womack, MD; Naylor, RJ. (2000). Pharmacological characterization of the 5-HT receptor-mediated contraction in the mouse isolated ileum. *Br J Pharmacol*. 131: 1716-1722.
- Tuomela, M; Oivanen, P; Hatakka, A. (2002). Degradation of synthetic (14)C-lignin by various white-rot fungi in soil. *Soil Biology & Biochemistry*. 34: 1613-1620.
- Tupys, A; Kalembkiewicz, J; Bazel, Y; ZapaÅa, L; Dranka, M; Ostapiuk, Y; Tymoshuk, O; WoÅnicka, Eb. (2017). 1-[(5-Benzyl-1,3-thiazol-2-yl)diazenyl]naphthalene-2-ol: X-ray structure, spectroscopic characterization, dissociation studies and application in mercury(II) detection. *Journal of Molecular Structure*. 1127: 722-733.
- Turner, MA; Arellano, F; Kozloff, LM. Three separate classes of bacterial ice nucleation structures. *J Bacteriol*. May 1990. v. 172 (5): 2521-2526.
- Tyagi, R; Batra, R; Gupta, MN. (1999). Amorphous enzyme aggregates: Stability toward heat and aqueous-organic cosolvent mixtures. *Enzyme Microb Technol*. 24: 348-354.
- Uchida, T; Kagoshima, Y; Konosu, T. (2009). Amide analogs of antifungal dioxane-triazole derivatives: Synthesis and in vitro activities. *Bioorganic & Medicinal Chemistry Letters*. 19: 2013-2017.

Environmental Hazard Literature Search Results

Off Topic

- Uchida, T; Somada, A; Kagoshima, Y; Konosu, T; Oida, S. (2008). Carbon analogs of antifungal dioxane-triazole derivatives: Synthesis and in vitro activities. *Bioorganic & Medicinal Chemistry Letters*. 18: 6538-6541.
- Uchiyama, M; Satoh, S; Ohta, A. (2001). Asymmetric methoxyseleenylation of alkyl vinyl ethers: a new route to chiral acetals. *Tetrahedron Letters*. 42: 1559-1562.
- Uchiyama, N; Ogata, T; Oka, N; Wada, T. (2011). TRIMETHYLSILYL TRIFLUOROMETHANESULFONATE-PROMOTED REDUCTIVE 2'-O-ARYLMETHYLATION OF RIBONUCLEOSIDE DERIVATIVES. *Nucleosides Nucleotides & Nucleic Acids*. 30: 446-456.
- Udal'tsov, AV. (1997). Absorption and luminescence spectroscopy of restrictively protonated dimeric forms of porphyrins. *Biochemistry-Moscow*. 62: 1026-1033.
- Udal'tsov, AV; Kovalev, YV; Churin, AA. (2000). Complexes produced by associated forms of porphyrin bound with hydrophobic-hydrophilic copolymer and transition metal ions. *Biophysical Chemistry*. 83: 141-152.
- Uddin, MJ; Crews, BC; Blobaum, AL; Kingsley, PJ; Ghebreselasie, K; Saleh, SS; Clanton, JA; Baldwin, RM; Marnett, LJ. (2009). Synthesis and evaluation of (123)I -indomethacin derivatives as COX-2 targeted imaging agents. *Journal of Labelled Compounds & Radiopharmaceuticals*. 52: 387-393.
- Uehara, F; Sato, M; Kaneko, C; Kurihara, H. (1999). The effect of a para substituent on the conformational preference of 2,2-diphenyl-1,3-dioxanes: Evidence for the anomeric effect from X-ray crystal structure analysis. *J Org Chem*. 64: 1436-1441.
- Uetsuki, K; Kuroda, M; Hashimoto, H; Baba, A; Bury, K; mieta; ski, M; Polish, HSG. (2009). Five-year results of a randomized clinical trial comparing a polypropylene mesh with a poliglecaprone and polypropylene composite mesh for inguinal hernioplasty. *Biological & pharmaceutical bulletin*. 32: 728-731.
- Ugedo, L; Garro, MA; Pineda, J; Giralt, MT; Miralles, A; Olmos, G; Garca-SevilAd, JA; Menargues, A; Obach, R. (1993). Acute and chronic effects of reserpine on biochemical and functional parameters of central and peripheral alpha 2-adrenoceptors. *Eur J Pharmacol*. 239: 149-157.
- Uhlešn, S; Wikberg, JE. (1991). Rat spinal cord alpha 2-adrenoceptors are of the alpha 2A-subtype: comparison with alpha 2A- and alpha 2B-adrenoceptors in rat spleen, cerebral cortex and kidney using 3H-RX821002 ligand binding. *Pharmacology & toxicology*. 69: 341-350.
- Ullah, F; Kahil, O; Rehman, W; Jones, PG; Heinicke, J. (2010). Novel highly electron-deficient quinoxaline-annulated 1,3,2-diazagermol- and diazastannol-2-ylidenes, stabilized as LiCl adducts. *Polyhedron*. 29: 1041-1048.
- Ullah, F; Oprea, AI; Kindermann, MK; Bajor, G; Veszpremi, T; Heinicke, J. (2009). Homologues of N-heterocyclic carbenes: Detection and electronic structure of N-bridgehead pyrido[a]-annulated 1,3,2-diazagermol-2-ylidenes. *Journal of Organometallic Chemistry*. 694: 397-403.
- Um, IC; Kweon, HY; Lee, KG; Ihm, DW; Lee, JH; Park, YH. (2004). Wet spinning of silk polymer - I. Effect of coagulation conditions on the morphological feature of filament. *Int J Biol Macromol*. 34: 89-105.
- Uma, L; Kalaiselvi, R; Subramanian, G. Isolation of a lignolytic bacterium for the degradation and possible utilization of coir waste. *Biotechnol Lett*. Mar 1994. v. 16 (3): 303-308.
- Umezurike, GM. The active site of beta glucosidase from *Botryodiplodia theobromae*. effects of pH and dioxan on enzyme catalysed reactions. *Bio-chemical journal*. Dec 1, 1977, 167 (3): 831-833.
- Umezurike, GM. The beta glucosidase from *Botryodiplodia theobromae* Pat.. kinetics of enzyme catalysed hydrolysis of o nitrophenyl beta D glucopyranoside in dioxan/water. *Bio-chemical journal*. Nov 1, 1978, 175 (2): 455-459.
- Underiner, TL; Mallamo, JP; Singh, J. (2002). Syntheses of C12,N13 heterocyclic bridged fused indenopyrrolocarbazoles. *J Org Chem*. 67: 3235-3241.
- UngurenaYu, C; Cecal, A. (1969). A radiochemical study of bis-(-cyclopentadienyl)-titanium(IV)-cyclotetrasulfan photolysis. *Journal of Inorganic and Nuclear Chemistry*. 31: 1735-1736.
- Uno, K; Niikura, H; Morimoto, M; Ishibashi, Y; Miyasaka, H; Irie, M. (2011). In Situ Preparation of Highly Fluorescent Dyes upon Photoirradiation. *J Am Chem Soc*. 133: 13558-13564.
- Uno, T; Beausoleil, E; Goldsmith, RA; Levine, BH; Zuckermann, RN. (1999). New submonomers for poly N-substituted glycines (peptoids). *Tetrahedron Letters*. 40: 1475-1478.
- Urban, FJ; Bordner, J; DeCosta, D; Dee, MF; Vincent, LA. (1994). Synthesis and stereochemistry of some thiazolidines related to 6-(hydroxyethyl)-penams. *Tetrahedron: Asymmetry*. 5: 215-222.
- Uribe, S; Pena, A. (1990). Toxicity of allelopathic monoterpene suspensions on yeast. Dependence on droplet size. *Journal of Chemical Ecology*. 16: 1399-1408.
- Usachev, BI; Obydenov, DL; Kodess, MI; Sosnovskikh, VY. (2009). Regioselective solvent-sensitive reactions of 6-(trifluoromethyl)comanic acid and its derivatives with phenylhydrazine. *Tetrahedron Letters*. 50: 4446-4448.
- Utech, T; Kohler, J; Buschmann, H; Holenz, J; Vela, JM; Wunsch, B. (2011). Synthesis and Pharmacological Evaluation of a Potent and Selective sigma(1) Receptor Antagonist with High Antialloodynic Activity. *Arch Pharm (Weinheim)*. 344: 415-421.
- Utech, T; Kohler, J; Wunsch, B. (2011). Synthesis of 4-(aminoalkyl) substituted 1,3-dioxanes as potent NMDA and sigma receptor antagonists. *Eur J Med Chem*. 46: 2157-2169.
- Valgyi, G; Ruiz, R; Box, K; Comer, J; Bosch, E; Takics-Novik, K. (2007). Potentiometric and spectrophotometric pKa determination of water-insoluble compounds: Validation study in a new cosolvent system. *Anal Chim Acta*. 583: 418-428.
- Vacogne, CD; Schopferer, M; Schlaad, H. (2016). Physical Gelation of alpha-Helical Copolypeptides. *Biomacromolecules*. 17: 2384-2391.
- Vainberg, S; McClay, K; Masuda, H; Root, D; Condee, C; Zylstra, GJ; Steffan, RJ. (2006). Biodegradation of ether pollutants by *Pseudonocardia* sp strain ENV478. *Appl Environ Microbiol*. 72: 5218-5224.

Environmental Hazard Literature Search Results

Off Topic

- Vainberg, S; Unterman, R; Steffan, RJ. (1999). Biodegradation of methyl tert-butyl ether (MTBE) and 1,4-dioxane in a fluidized bed bioreactor (FBR). 99th General Meeting Of The American Society For Microbiology, Chicago, Illinois, Usa, May. 99: 555.
- Vainikka, P; Hupa, M. (2012). Review on bromine in solid fuels – Part 2: Anthropogenic occurrence. *Fuel*. 94: 34-51.
- Vaique, E; Guy, A; Couedelo, L; Gosse, I; Durand, T; Cansell, M; Pinet, S. (2010). Rapid access to structured triacylglycerols acylated with n-3 polyunsaturated fatty acids for nutritional applications. *Tetrahedron*. 66: 8872-8879.
- Vajda, T. (1998). Cryochemistry. Esterification in frozen dioxane solution. *Cryoletters*. 19: 361-366.
- Vajda, T; Szokan, G; Hollosi, M. (1998). Cryochemistry: Freezing effect on peptide coupling in different organic solutions. *J Pept Sci*. 4: 300-304.
- Val'dman, AV; Zvartau, EE. (1985). Influence on the emotional reinforcing systems of the brain as a method of pathogenetic therapy of alcoholism and toxicomania. *Neuroscience and behavioral physiology*. 15: 17-21.
- Valerio-Alfaro, G; Garcia, HS; Luna, H; Almanza, RC. (2000). Aminolysis of 2-hydroxy esters catalyzed by *Candida antarctica* lipase. *Biotechnol Lett*. 22: 575-578.
- VallÅ s, R-RDoSALASAL; PruÅxosona, J; Menargues, A; Nomen, M; Obach, R. (1989). Oral idazoxan bioavailability in rat. Relevance of intestinal and hepatic first-pass effect. *Drug metabolism and disposition: the biological fate of chemicals*. 17: 673-676.
- Vallero, DA. (2016). Chapter 4 - Systems. *Environmental Biotechnology (Second Edition)* Boston 151-207.
- Valles, J; Obach, R; Menargues, A; PruÅxos; Jane, F. (1995). A pharmacokinetic-pharmacodynamic linking model for the alpha 2-adrenergic antagonism of idazoxan on clonidine-induced mydriasis in the rat. *The Journal of pharmacy and pharmacology*. 47: 157-161.
- Vallet, C; Chabbert, B; Czaninski, Y; Lemaire, G; Monties, B. (1997). Extractability of structural carbohydrates and lignin deposition in maturing alfalfa internodes. *Int J Biol Macromol*. 21: 201-206.
- Van Camp, SMJ; Morris, S; Mudge, A; Points, R; Knight, JB; Schullery, SE; Scott, RM. (1998). Short-range solvation patterns of pentachlorophenol, triethylamine, and their reaction products by cyclic ethers in cyclohexane. *Journal of Molecular Structure*. 448: 143-148.
- van de Velde, F; Konemann, L; van Rantwijk, F; Sheldon, RA. (2000). The rational design of semisynthetic peroxidases. *Biotechnol Bioeng*. 67: 87-96.
- van de Voort, FR; Tavassoli-Kafrani, MH; Curtis, JM. (2016). Stoichiometric determination of moisture in edible oils by Mid-FTIR spectroscopy. *Anal Chim Acta*. 918: 1-7.
- van der Boom, ME; Ben-David, Y; Milstein, D. (1999). Formation of difluoromethylene-arenium complexes by consecutive Aryl-CF(3) C-C bond activation and C-F bond cleavage. *J Am Chem Soc*. 121: 6652-6656.
- Van der Eycken, J; De Clercq, P; Vandewalle, M. (1986). Total synthesis of podophyllum lignans : an exploratory study. *Tetrahedron*. 42: 4285-4295.
- van, GPL; Dingemans, J. (1991). Tolerability, pharmacokinetics, and pharmacodynamics of clazosentan, a parenteral endothelin receptor antagonist. *Brain Res*. 63: 151-158.
- van, GPL; Dingemans, J. (2007). Effect of gender on the tolerability, safety and pharmacokinetics of clazosentan following long-term infusion. *Clinical drug investigation*. 27: 797-802.
- van, HJ. (2005). Comparison of inflammatory response to polyglytone 6211 and polyglycaprone 25 in a rat model. *South African medical journal = Suid-Afrikaanse tydskrif vir geneeskunde*. 95: 972-974.
- van Stee, EW; Boorman, GA; Moorman, MP; Sloane, RA. (1982). Time-varying concentration profile as a determinant of the inhalation toxicity of carbon tetrachloride. *J Toxicol Environ Health*. 10: 785-795.
- Van, ZPA. (1975). A benzodioxanhydroxyethylpiperidine derivative with an acute central hypotensive action, different from that of clonidine. A comparison with neuroleptic agents. *Archives internationales de pharmacodynamie et de therapie*. 215: 104-118.
- van, ZPA. (1975). Interaction between centrally acting hypotensive drugs and tricyclic antidepressants. *Archives internationales de pharmacodynamie et de therapie*. 214: 12-30.
- vanDijk, SI; Groen, CP; Hartl, F; Brouwer, AM; Verhoeven, JW. (1996). Long-lived triplet state charge separation in novel piperidine-bridged donor-acceptor systems. *J Am Chem Soc*. 118: 8425-8432.
- Vanelle, P; Maldonado, J; Crozet, MP; Senouki, K; Delmas, F; Gasquet, M; Timon-David, P. (1991). Preparation et évaluation antiparasitaire de nouveaux imidazoles portant le motif dioxane ou hexahydropyrimidine. *Eur J Med Chem*. 26: 709-714.
- Vanjari, R; Allam, BK; Singh, KN. (2013). A novel and simple transamidation of carboxamides in 1,4-dioxane without a catalyst. *Tetrahedron Letters*. 54: 2553-2555.
- Varma, S; Mattiasson, B. (2005). Amperometric biosensor for the detection of hydrogen peroxide using catalase modified electrodes in polyacrylamide. *J Biotechnol*. 119: 172-180.
- Vartak, DG; Menon, KR. (1969). Proton ligand and metal ligand stability constants of substituted salicylaldehydes. *Journal of Inorganic and Nuclear Chemistry*. 31: 3141-3147.
- Vartak, DG; Menon, KR. (1971). Stability constants of some substituted salicylic acids and their complexes. *Journal of Inorganic and Nuclear Chemistry*. 33: 1003-1011.
- Vartak, DG; Menon, NG. (1966). Solution stability constants of complexes of 4-nitro-2-aminophenol with some divalent metal ions. *Journal of Inorganic and Nuclear Chemistry*. 28: 2911-2917.
- Vass-Lopez, A; Garcia-Villar, R; Lafontan, M; Toutain, PL. (1990). [3H]idazoxan binding to the ovine myometrium. Binding characteristics and changes due to steroid hormones. *The Journal of pharmacology and experimental therapeutics*. 253: 819-824.
- Vaz, E; Munz, L; Llor, J. (2004). Study of the tautomeric equilibrium of pyridoxine in 1,4-dioxane/water mixtures by ¹³C nuclear magnetic resonance. thermodynamic characterization and solvent effects. *J Org Chem*. 69: 6387-6393.

Environmental Hazard Literature Search Results

Off Topic

- Vazquez-Hernandez, M; Rosquete-Pina, GA; Juaristi, E. (2004). Salt effects on the conformational behavior of 5-carboxy- and 5-hydroxy-1,3-dioxane. *J Org Chem.* 69: 9063-9072.
- Veach, DR; Namavari, M; Beresten, T; Balatoni, J; Minchenko, M; Djaballah, H; Finn, RD; Clarkson, B; Gelovani, JG; Bornmann, WG; Larson, SM. (2005). Synthesis and in vitro examination of [124I]-, [125I]- and [131I]-2-(4-iodophenylamino) pyrido[2,3-d]pyrimidin-7-one radiolabeled Abl kinase inhibitors. *Nucl Med Biol.* 32: 313-321.
- Veerapur, RS; Gudasi, KB; Sairam, M; Shenoy, RV; Netaji, M; Raju, K; Sreedhar, B; Aminabhavi, TM. (2007). Novel sodium alginate composite membranes prepared by incorporating cobalt(III) complex particles used in pervaporation separation of water-acetic acid mixtures at different temperatures. *Journal of Materials Science.* 42: 4406-4417.
- Vega, M; Karboune, S; Kermasha, S. (2005). Stability of immobilized soybean lipoxygenase in selected organic solvent media. *Appl Biochem Biotechnol.* 127: 29-42.
- Veksler, NA; Seitanidu, KL; Smirnova, LS; Abduazimov, KA; Yagudaev, MR. A study of the structure of the dioxane lignins of the cotton plant of variety 108-F by proton magnetic resonance. *Chemistry of Natural Compounds.* May/June 1979. v. 15 (3): 337-341 ill.
- Veksler, NA; Smirnova, LS; Abduazimov, KA. Isolation and study of individual fractions of dioxane lignin from cotton plant stems. *Chemistry of Natural Compounds.* Jan/Feb 1978 (Transl. 1978), 14 (1): 98-100.
- Veksler, NA; Smirnova, LS; Abduazimov, KA; Derbentseva, NA. An investigation of the dioxane lignin of cotton bolls. *Chemistry of Natural Compounds.* Sept/Oct 1976 (Transl 1977), 12 (5): 621.
- Veksler, NA; Smirnova, LS; Abduazimov, KA. Investigation of the dioxane lignin of the cotton plant. *Chemistry of Natural Compounds.* Jan/Feb 1976 (Pub Jan 1977), 12 (1): 67-69.
- Venkatasubban, KS; Bush, M; Ross, E; Schultz, M; Garza, O. (1998). Transition state structure for the water-catalyzed hydrolysis of p-nitrophenyl trifluoroacetate in acetonitrile. *J Org Chem.* 63: 6115-6118.
- Venkatesham, A; Srinivasa Rao, R; Nagaiah, K. (2012). Stereoselective synthesis towards verbalactone and (+)-(3R,5R)-3-hydroxy-5-decanolide. *Tetrahedron: Asymmetry.* 23: 381-387.
- Venkatraman, G; Harrison, LJ; Sim, KY. Use of selective INEPT spectroscopy in the structural elucidation of a xanthonolignoid. *Tetrahedron letters : the international organ for the rapid publication of preliminary communications in organic chemistry.* Apr 8, 1996. v. 37 (15): 2643-2646.
- Ventalon, FdrM; Faure, R; Laurent, EG; Marquet, BS. (1994). Synthesis of both enantiomers of 2-fluoro-1-tetralones. *Tetrahedron: Asymmetry.* 5: 1909-1912.
- Ventura, F; Matia, L; Romero, J; Boleda, MR; Marti, I; Martin, J. Taste and odor events in Barcelona's water supply. *Water science and technology : a journal of the International Association on Water Pollution Research.* 1995. v. 31 (11): 63-68.
- Verniere, E; Caporiccio, B; Possompes, B; Besancon, P. (1997). Variations of wheat gliadin antigenicity during pepsin and trypsin hydrolysis. *Sciences Des Aliments.* 17: 279-287.
- Vernon, B; Martinez, A. (2005). Gel strength and solution viscosity of temperature-sensitive, in-situ-gelling polymers for endovascular embolization. *Journal of Biomaterials Science-Polymer Edition.* 16: 1153-1166.
- Vershinin, MA; Burdukov, AB; Eltsov, IV; Reznikov, VA; Boguslavsky, EG; Voloshin, YZ. (2011). Unexpected radical substitution of the dichlorine-containing iron(II) clathrochelate with 1,4-dioxane derivatives: Novel approach to functionalization of its macrobicyclic framework. *Polyhedron.* 30: 1233-1237.
- Vertesi, A; Simon, LM. (1998). Carboxypeptidase A-catalyzed dipeptide synthesis in organic media. *J Biotechnol.* 66: 75-82.
- Vessally, E; Fereyduni, E; Erdogdu, Y; Habibi, A; Eskandari, K; Gulluoglu, MT. (2011). Synthesis, spectroscopic and DFT investigation of dimethyl-2-(5-acetyl-2,2-dimethyl-4,6-dioxo-1,3-dioxan-5-yl)-3-(triphenylphosphinylidene)succinate. *Journal of molecular structure.* 985: 120-127.
- Vialaneix, C; Senet, JP; Mouloungui, Z; Delmas, M; Gaset, A. Synthesis and insecticidal activity of new procarbofurans. *J Agric Food Chem.* Aug 1991. v. 39 (8): 1521-1526.
- Vijaya, S; Nagarajan, B. (1981). Changes in Arginase, Ornithine Carbamyl Transferase and Arginine-Related Metabolites in Chronic Carbon Tetrachloride Toxicity. *Indian journal of biochemistry and biophysics New Delhi.* 18: 298-299.
- Vijaya, S; Sukumaran; Nagarajan, B. (1982). Altered Ornithine Metabolism in Carbon Tetrachloride Induced Hepatoma in Rats. *BIOCHEM INT.* 4: 279-287.
- VilarÂc, MT; Cortâ€šs, R; Mengod, G. (2005). Serotonin 5-HT4 receptors and their mRNAs in rat and guinea pig brain: distribution and effects of neurotoxic lesions. *J Comp Neurol.* 414: 418-439.
- Vilches-Herrera, M; Spannenberg, A; Langer, P; Iaroshenko, VO. (2013). Novel and efficient synthesis of 4,7-dihydro-1H-pyrrolo 2,3-b pyridine derivatives via one-pot, three-component approach from N-substituted 5-amino-3-cyanopyrroles, various carbonyl and active methylene compounds. *Tetrahedron.* 69: 5955-5967.
- VillalÂcn, CM; Poelloth, C; Mangelsdorf, I. (1994). Commentary on the application of (Q)SAR to the toxicological evaluation of existing chemicals. *ASO Arch Int Pharmacodyn The Jan Fe1.* 35: 2525-2542.
- Villarruel, MC; Fernandez, G; De Ferreyra, EC; De Fenos, OM; Castro, JA. (1982). Studies on the Mechanism of Alloxan-Diabetes Potentiation of Carbon Tetrachloride-Induced Liver Necrosis. *British Journal of Experimental Pathology.* 63: 388-393.
- Vimonses, V; Leslie, G; Amal, R. (2007). Removal of contaminants of concern in water using advanced oxidation techniques. *Water Science & Technology.* 55: 301-306.
- Vincent, PA; Feder, HH. (1990). Progesterin receptors in the ventromedial nucleus of the hypothalamus and arcuate nucleus-median eminence are decreased by idazoxan. *Brain Res.* 528: 95-98.

Environmental Hazard Literature Search Results

Off Topic

- Vinter, A; Avdagic, A; Stimac, V; Palej, I; Cikos, A; Sunjic, V; Alihodzic, S. (2010). An Expeditious Method for the Preparation of 2-Hydroxy-1,4-dioxane and Its Use in Reductive Alkylation of Amines. *Synthesis-Stuttgart* 255-258.
- Vivas, N; Pianet, I; Bourgeois, G; Vitry, C; Servens, C; Glories, Y. (1998). Characterization of heartwood lignin fractions from *Quercus robur* L. and *Quercus petraea* (Matt) Liebl., the main oak species used for barrel making. *American Journal of Enology and Viticulture*. 49: 49-55.
- Vivekanand, V; Chawade, A; Larsson, M; Larsson, A; Olsson, O. (2014). Identification and qualitative characterization of high and low lignin lines from an oat TILLING population. *Ind Crop Prod*. 59: 1-8.
- Vo, GD. (2010). Development and mechanistic investigation of the palladium-catalyzed α -arylation of aldehydes and N-arylation of ammonia. PhD, University of Illinois at Urbana-Champaign.
- Vo, GD; Hartwig, JF. (2009). Palladium-Catalyzed Coupling of Ammonia with Aryl Chlorides, Bromides, Iodides, and Sulfonates: A General Method for the Preparation of Primary Arylamines. *J Am Chem Soc*. 131: 11049-11061.
- Vogels, RR; Bosmans, JW; van, BKW; Verdoold, V; van, RS; Gijbels, MJ; Penders, J; Breukink, SO; Grijpma, DW; Bouvy, ND. (2015). A new poly(1,3-trimethylene carbonate) film provides effective adhesion reduction after major abdominal surgery in a rat model. *Surgery*. 157: 1113-1120.
- von Harbou, E; Fabich, HT; Benning, M; Tayler, AB; Sederman, AJ; Gladden, LF; Holland, DJ. (2015). Quantitative mapping of chemical compositions with MRI using compressed sensing. *J Magn Reson*. 261: 27-37.
- Vora, AC; Grandgenett, DP. Assembly and catalytic properties of retrovirus integrase-DNA complexes capable of efficiently performing concerted integration. *Journal of virology*. Dec 1995. v. 69 (12): 7483-7488.
- Voss, JU; Seibert, H. Toxicity of glycols and allyl alcohol evaluated by means of co-cultures of microcarrier-attached rat hepatocytes and BALB/C 3T3 mouse fibroblasts. *Alternatives to laboratory animals : ATLA*. Apr 1992. v. 20 (2): 266-270.
- Vrcelj, RM; Clark, NIB; Kennedy, AR; Sheen, DB; Shepherd, EEA; Sherwood, JN. (2003). Two new paracetamol/dioxane solvates - A system exhibiting a reversible solid-state phase transformation. *J Pharm Sci*. 92: 2069-2073.
- Vyvan, JR; Dell, JA; Ligon, TJ; Motanic, KK; Wall, HS. (2010). Suzuki-Miyaura Cross-Coupling of 3-Pyridyl Triflates with Alk-1-enyl-2-pinacol Boronates. *Synthesis-Stuttgart* 3637-3644.
- Wada, T; Ohkubo, A; Mochizuki, A; Sekine, M. (2001). 2-(azidomethyl)benzoyl as a new protecting group in nucleosides. *Tetrahedron Letters*. 42: 1069-1072.
- Wagenaar, WJ; Boelhouwers, EJ; De, KOKHAM; Groen, CP; Govers, HAJ; Olie, K; De, GERLACHEJ; De, ROOIJCG. (1995). A comparative study of the photolytic degradation of octachlorodibenzofuran (OCDF) and octachlorodibenzo-P-dioxin (OCDD). *Chemosphere*. 31: 2983-2992.
- Wagner, PJ; Laidig, G. (1991). Enol ether formation by disproportionation of the 1,5-biradical intermediate in the photocyclization of o-isopropoxybenzophenone. *Tetrahedron Letters*. 32: 895-898.
- Waller, RL; Recknagel, RO. (1982). Evaluation of a role for phosgene production in the hepatotoxic mechanism of action of carbon tetrachloride and bromotrichloromethane. *Toxicol Appl Pharmacol*. 66: 172-181.
- Wallner, S; Nestl, B; Faber, K. (2005). Stereoselective hydrolysis of sec-mono-alkyl sulfate esters with retention of configuration. *Tetrahedron*. 61: 1517-1521.
- Walsh, JA. (1963). PART I. AN ACID-CATALYZED CLEAVAGE OF SULFOXIDES. PART II. MECHANISM OF ANISOLE SULFONATION BY SULFUR-TRIOXIDE IN DIOXANE SOLUTION. PhD, Purdue University.
- Walther, A; MÄller, AHDDoMCIUBG; Li, CY; Liu, DC; Ko, BT. (9807). Synthesis, characterization and reactivity of single-site aluminium amides bearing benzotriazole phenoxide ligands: catalysis for ring-opening polymerization of lactide and carbon dioxide/propylene oxide coupling. *Langmuir* 1, Aug. 27: 9807-9814.
- Walum, E; Peterson, A. (1983). Acute toxicity testing in cultures of mouse neuroblastoma cells. *Acta pharmacologica et toxicologica*. 52 Suppl 2: 100-114.
- Walvoord, RR; Kozlowski, MC. (2013). Minimizing the Amount of Nitromethane in Palladium-Catalyzed Cross-Coupling with Aryl Halides. *J Org Chem*. 78: 8859-8864.
- Wan, LK; Peng, J; Lin, MZ; Muroya, Y; Katsumura, Y; Fu, HY. (2012). Hydroxyl radical, sulfate radical and nitrate radical reactivity towards crown ethers in aqueous solutions. *Radiation physics and chemistry*. 81: 524-530.
- Wang, B; Gu, YL; Gong, WZ; Kang, YR; Yang, LM; Suo, JS. (2004). Sulfamic acid as a cost-effective catalyst instead of metal-containing acids for acetolysis of cyclic ethers. *Tetrahedron Letters*. 45: 6599-6602.
- Wang, BL; Duggleby, RG; Li, ZM; Wang, JG; Li, YH; Wang, SH; Song, HB. (2005). Synthesis, crystal structure and herbicidal activity of mimics of intermediates of the KARI reaction. *Pest Manag Sci*. 61: 407-412.
- Wang, C; Yang, S; Xu, J; Zhu, M. (2013). Morphology transformation of polystyrene-block-poly(ethylene oxide) vesicle on surface. *Polymer*. 54: 3709-3715.
- Wang, CB-S. (1982). MORPHOLOGY AND PROPERTIES OF SEGMENTED COPOLYMERS AND BLENDS (POLYURETHANE, POLYVINYL CHLORIDE). PhD, The University of Wisconsin - Madison.
- Wang, CY; Piel, I; Glorius, F. (2009). Palladium-Catalyzed Intramolecular Direct Arylation of Benzoic Acids by Tandem Decarboxylation/C-H Activation. *J Am Chem Soc*. 131: 4194-+.
- Wang, FF; Shi, AW; Qin, XX; Liu, CL; Dong, WS. (2011). Dehydration of fructose to 5-hydroxymethylfurfural by rare earth metal trifluoromethanesulfonates in organic solvents. *Carbohydr Res*. 346: 982-985.
- Wang, H; Bakheet, B; Yuan, S; Li, X; Yu, G; Murayama, S; Wang, Y. (2015). Kinetics and energy efficiency for the degradation of 1,4-dioxane by electro-peroxone process. *J Hazard Mater*. 294: 90-98.
- Wang, HJ; Yuan, S; Zhan, JH; Wang, YJ; Yu, G; Deng, SB; Huang, J; Wang, B. (2015). Mechanisms of enhanced total organic carbon elimination from oxalic acid solutions by electro-peroxone process. *Water Res*. 80: 20-29.

Environmental Hazard Literature Search Results

Off Topic

- Wang, J; DeMaio, W; Chandrasekaran, A; Shen, L; Bach, AC, 2nd; Scatina, J; Talaat, R. (2006). Mechanism study of N-dephenylation mediated through a N-para-hydroxy metabolite. *Current drug discovery technologies*. 3: 101-114.
- Wang, J; Zhang, M; Zheng, Z; Yu, F; Ji, J. (2013). The indirect conversion of glycerol into 1,3-dihydroxyacetone over magnetic polystyrene nanosphere immobilized TEMPO catalyst. *Chem Eng J*. 229: 234-238.
- Wang, LJ; Seiders, J; Floreancig, PE. (2004). Structure-reactivity relationships in oxidative carbon-carbon bond forming reactions: A mild and efficient approach to stereoselective syntheses of 2,6-disubstituted tetrahydropyrones. *J Am Chem Soc*. 126: 12596-12603.
- Wang, MY; McIntee, EJ; Cheng, G; Shi, YL; Villalta, PW; Hecht, SS. (2000). Identification of paraldol-deoxyguanosine adducts in DNA reacted with crotonaldehyde. *Chem Res Toxicol*. 13: 1065-1074.
- Wang, MY; McIntee, EJ; Cheng, G; Shi, YL; Villalta, PW; Hecht, SS. (2001). Reactions of 2,6-dimethyl-1,3-dioxane-4-ol (aldoxane) with deoxyguanosine and DNA. *Chem Res Toxicol*. 14: 1025-1032.
- Wang, N; Chen, ZC; Lu, D; Lin, MF. (2005). Controllable selective synthesis of a polymerizable prodrug of cytarabine by enzymatic and chemical methods. *Bioorganic & Medicinal Chemistry Letters*. 15: 4064-4067.
- Wang, PX; Wu, XL; Dong-Hua, X; Kun, X; Ying, T; Xi-Bing, D; Wen-Bo, L. (2009). Preparation and characterization of cationic corn starch with a high degree of substitution in dioxane-THF-water media. *Carbohydr Res*. 344: 851-855.
- Wang, RI; Robinson, N. (1981). Doxipicomine in postoperative pain. *Clinical pharmacology and therapeutics*. 29: 771-775.
- Wang, S; Hong, JW; Bazan, GC. (2005). Synthesis of cationic water-soluble light-harvesting dendrimers. *Org Lett*. 7: 1907-1910.
- Wang, SQ; Guo, RY; Li, JY; Zou, DP; Wu, YJ; Wu, YS. (2015). Efficient synthesis of 3-aryl-1H-indazol-5-amine by Pd-catalyzed Suzuki-Miyaura cross-coupling reaction under microwave-assisted conditions. *Tetrahedron Letters*. 56: 3750-3753.
- Wang, XJ; Lou, T; Zhao, WH; Song, GJ. (2016). Preparation of pure chitosan film using ternary solvents and its super absorbency. *Carbohydr Polymer*. 153: 253-257.
- Wang, XJ; Seth, PP; Ranken, R; Swayze, EE; Migawa, MT. (2004). Synthesis and biological activity of 5-fluorotubercidin. *Nucleosides Nucleotides & Nucleic Acids*. 23: 161-170.
- Wang, XL; Chen, YY; Wang, YZ. (2010). Synthesis of Poly(p-dioxanone) Catalyzed by Zn L-Lactate under Microwave Irradiation and Its Application in Ibuprofen Delivery. *Journal of Biomaterials Science-Polymer Edition*. 21: 927-936.
- Wang, XL; Huang, Y; Zhu, J; Pan, YB; He, R; Wang, YZ. (2009). Chitosan-graft poly(p-dioxanone) copolymers: preparation, characterization, and properties. *Carbohydr Res*. 344: 801-807.
- Wang, Y; Ai, Q; Lu, J. (2015). RAFT radical copolymerization of beta-pinene with maleic anhydride and aggregation behaviors of their copolymer in aqueous solution. *Journal of polymer science*. 53: 1422-1429.
- Wang, YH; Wang, F; Song, Q; Xin, Q; Xu, ST; Xu, J. (2013). Heterogeneous Ceria Catalyst with Water-Tolerant Lewis Acidic Sites for One-Pot Synthesis of 1,3-Diols via Prins Condensation and Hydrolysis Reactions. *J Am Chem Soc*. 135: 1506-1515.
- Wang, Z; Luo, JT; Zhu, XX; Jin, SJ; Tomaszewski, MJ. (2004). Functionalized cross-linked poly(vinyl alcohol) resins as reaction scavengers and as supports for solid-phase organic synthesis. *J Comb Chem*. 6: 961-966.
- Watanabe, L; Rucavado, A; Kamiguti, A; Theakston, RDG; Gutierrez, JM; Arni, RK. (2002). Crystallization and preliminary diffraction data of BaP1, a haemorrhagic metalloproteinase from *Bothrops asper* snake venom. *Acta Crystallographica Section D-Biological Crystallography*. 58: 1034-1035.
- Waugh, DJ; Gaivin, RJ; Zuscik, MJ; Gonzalez-Cabrera, P; Ross, SA; Yun, J; Perez, DM. (2001). Phe-308 and Phe-312 in transmembrane domain 7 are major sites of alpha 1-adrenergic receptor antagonist binding. Imidazoline agonists bind like antagonists. *The Journal of biological chemistry*. 276: 25366-25371.
- Wawrzyniak, P; Heinicke, J. (2006). Microwave-promoted Suzuki-Miyaura coupling of arylboronic acids with 1-bromo-2-naphthol, o-bromophenol, and o-chlorophenol. *Tetrahedron Letters*. 47: 8921-8924.
- Weeks, AM; Harms, JE; Partin, KM; Benveniste, M. (2014). Functional insight into development of positive allosteric modulators of AMPA receptors. *Neuropharmacology*. 85: 57-66.
- Wegenhart, BL; Abu-Omar, MM. (2010). A solvent-free method for making dioxolane and dioxane from the biorenewables glycerol and furfural catalyzed by oxorhenium(V) oxazoline. *Inorg Chem*. 49: 4741-4743.
- Wei, GB; Ma, PX. (2004). Structure and properties of nano-hydroxyapatite/polymer composite scaffolds for bone tissue engineering. *Biomaterials*. 25: 4749-4757.
- Wei, W; Li, CC; Wang, T; Liu, D; Zhang, ZT. (2016). Synthesis of polybenzoquinazolines via an intramolecular dehydration of photocyclization. *Tetrahedron*. 72: 5037-5046.
- Wei, X; Jiang, X; Ye, L; Yuan, S; Chen, Z; Wu, M; Yu, H. (2013). Cloning, expression and characterization of a new enantioselective esterase from a marine bacterium *Pelagibacterium halotolerans* B2. *Journal of molecular catalysis*. 97: 270-277.
- Weimar, RA. (1980). Prevent Groundwater Contamination Before It 's Too Late. *Water and Wastes Engineering Vol 17, No 2*, p 30-33, 63, February, 1980 2 Fig, 1 Tab.
- Weiss, GK; Ratner, A; Voltura, A; Savage, D; Lucero, K; Castillo, N. (1994). The effect of two different types of stress on locus coeruleus alpha-2 receptor binding. *Brain research bulletin*. 33: 219-221.
- Wellens, S; Van, NJM; Janssen, PA. (1975). Centrally induced hypotension unrelated to alpha-adrenergic stimulation. *Archives internationales de pharmacodynamie et de therapie*. 213: 334-337.
- Wentland, MP; Bailey, DM; Alexander, EJ; Castaldi, MJ; Ferrari, RA; Haubrich, DR; Luttinger, DA; Perrone, MH. (1987). Synthesis and antidepressant properties of novel 2-substituted 4,5-dihydro-1H-imidazole derivatives. *J Med Chem*. 30: 1482-1489.

Environmental Hazard Literature Search Results

Off Topic

- Werner, H; Fischer, EO; Heckl, B; Kreiter, CG. (1971). Kinetik und Mechanismus der Aminolyse von (Methoxyphenylcarben)pentacarbonylchrom(0) - Eine reaktion 4. Ordnung mit negativer Arrhenius-Aktivierungsenergie. *Journal of Organometallic Chemistry*. 28: 367-389.
- Westwood, FR; Duffy, PA; Malpass, DA; Jones, HB; Topham, JC. (1995). Disturbance of macrophage and monocyte function in the dog by a thromboxane receptor antagonist: ICI 185,282. *Toxicol Pathol*. 23: 373-384.
- Whited, BM; Goldstein, AS; Skrtic, D; Love, BJ. (2006). Fabrication and characterization of poly(DL-lactic-co-glycolic acid)/zirconia-hybridized amorphous calcium phosphate composites. *Journal of Biomaterials Science-Polymer Edition*. 17: 403-418.
- Wiberg, KB; Lambert, KM; Bailey, WF. (2015). The Role of CH center dot center dot center dot O Coulombic Interactions in Determining Rotameric Conformations of Phenyl Substituted 1,3-Dioxanes and Tetrahydropyrans. *J Org Chem*. 80: 7884-7889.
- Wiberg, KB; Lambert, KM; Bailey, WF. (2015). Rotamers of phenyl substituted 1,3-dioxanes and tetrahydropyrans: importance of CH \cdots O Coulombic interactions. *Tetrahedron Letters*. 56: 3438-3440.
- Wikberg, JE. (1989). High affinity binding of idazoxan to a non-catecholaminergic binding site in the central nervous system: description of a putative idazoxan-receptor. *Pharmacol Toxicol*. 64.
- Wikberg, JE; Uhláčn, S; Chhajlahajlani, V. (1992). Evidence that drug binding to non-adrenergic [3H]-idazoxan binding sites (I-receptors) occurs to interacting or interconvertible affinity forms of the receptor. *Pharmacology & toxicology*. 70: 208-219.
- Willemse, RJ; Piet, JJ; Warman, JM; Hartl, F; Verhoeven, JW; Brouwer, AM. (2000). Stepwise versus direct long-range charge separation in molecular triads. *J Am Chem Soc*. 122: 3721-3730.
- Williams, RH; Little, SA; Beug, AG; Ensink, JW. (1971). Cyclic nucleotide phosphodiesterase activity in man, monkey, and rat. *Metabolism*. 20: 743-748.
- Williams, RJ; Urquhart, CJ; Wilson, KA; Downing, OA; Dettmar, PW; Roach, AG. (1990). Alpha 2-adrenoceptor antisecretory responses in the rat jejunum. *Journal of autonomic pharmacology*. 10: 109-118.
- Williamson, AP; Kennedy, RH; Seifen, E; Lindemann, JP; Stimers, JR. (1993). Alpha 1b-adrenoceptor-mediated stimulation of Na-K pump current in adult rat ventricular myocytes. *The American journal of physiology*. 264: H1315-1318.
- Williamson, AP; Seifen, E; Lindemann, JP; Kennedy, RH. (1994). Alpha 1a-adrenergic receptor mediated positive chronotropic effect in right atria isolated from rats. *Canadian journal of physiology and pharmacology*. 72: 1574-1579.
- Williamson, AP; Seifen, E; Lindemann, JP; Kennedy, RH. (1994). Effects of WB4101 and chloroethylclonidine on the positive and negative inotropic actions of phenylephrine in rat cardiac muscle. *The Journal of pharmacology and experimental therapeutics*. 268: 1174-1182.
- Williamson, AP; Seifen, E; Lindemann, JP; Kennedy, RH. (1994). WB4101- and CEC-sensitive positive inotropic actions of phenylephrine in rat cardiac muscle. *The American journal of physiology*. 266: H2462-2467.
- Williamson, AP; Seifen, E; Lindemann, JP; Kennedy, RH. (1996). The positive inotropic effect of alpha 1A-adrenoceptor stimulation is inhibited by 4-aminopyridine. *Eur J Pharmacol*. 304: 73-80.
- Wilson, DJ. (1997). Soil gas volatile organic compound concentration contours for locating vadose zone nonaqueous phase liquid contamination. *Environmental Monitoring And Assessment*. 48: 73-100.
- Wilson, L; Illanes, A; Abian, O; Pessela, BCC; Fernandez-Lafuente, R; Guisan, JM. (2004). Co-aggregation of penicillin G acylase and polyionic polymers: An easy methodology to prepare enzyme biocatalysts stable in organic media. *Biomacromolecules*. 5: 852-857.
- Wilson, L; Illanes, A; Pessela, BCC; Abian, O; Fernandez-Lafuente, R; Guisan, JM. (2004). Encapsulation of crosslinked penicillin G acylase aggregates in lentikats: Evaluation of a novel biocatalyst in organic media. *Biotechnol Bioeng*. 86: 558-562.
- Wilson, L; Illanes, A; Romero, O; Vergara, J; Mateo, C. (2008). Carrier-bound and carrier-free penicillin acylase biocatalysts for the thermodynamically controlled synthesis of beta-lactam compounds in organic medium. *Enzyme Microb Technol*. 43: 442-447.
- Wipf, P; Hopkins, TD; Jung, JK; Rodriguez, S; Birmingham, A; Southwick, EC; Lazo, JS; Powis, G. (2001). New inhibitors of the thioredoxin-thioredoxin reductase system based on a naphthoquinone spiroketal natural product lead. *Bioorganic & medicinal chemistry letters*. 11: 2637-2641.
- Wiszniewska, A; Kuncze, D; Chung, NN; Schiller, PW; Izdebski, J. (2005). p-Nitrophenoxycarbonyl derivatives of Boc-protected diaminoalkanes in the synthesis of enkephalin peptidomimetics. *J Pept Sci*. 11: 579-583.
- Włodarczyk, J; Kierdaszuk, B. (2003). Interpretation of fluorescence decays using a power-like model. *Biophysical Journal*. 85: 589-598.
- Wojcieszynska, D; Gren, I; Hupert-Kocurek, K; Guzik, U. (2011). Modulation of FAD-dependent monooxygenase activity from aromatic compounds-degrading *Stenotrophomonas maltophilia* strain KB2. *Acta Biochim Pol*. 58: 421-426.
- Wolf, WM; Stasiak, M; Leplawy, MT; Bianco, A; Formaggio, F; Crisma, M; Toniolo, C. (1998). Destabilization of the 3(10)-helix in peptides based on C(alpha)-tetrasubstituted alpha-amino acids by main-chain to side-chain hydrogen bonds. *J Am Chem Soc*. 120: 11558-11566.
- Wolff, DW; Colindres, RE; Strandhoy, JW. (1989). Unmasking sensitive alpha 2-adrenoceptor-mediated renal vasoconstriction in conscious rats. *The American journal of physiology*. 257: F1132-1139.
- Wong, JC; Sternson, SM; Louca, JB; Hong, R; Schreiber, SL. (2004). Modular synthesis and preliminary biological evaluation of stereochemically diverse 1,3-dioxanes. *Chemistry & Biology*. 11: 1279-1291.
- Wong, OA; Compel, WS; Ackerson, CJ. (2015). Combinatorial Discovery of Cosolvent Systems for Production of Narrow Dispersion Thiolate-Protected Gold Nanoparticles. *Acs Combinatorial Science*. 17: 11-18.
- Woo, PWK; Hartman, J; Huang, Y; Nanninga, T; Bauman, K; Butler, DE; Rubin, J; Lee, HT; Huang, CC. (1999). Atorvastatin, an HMG-CoA reductase inhibitor and efficient lipid-regulating agent. Part I. Synthesis of ring-labeled (14)C atorvastatin. *Journal of Labelled Compounds & Radiopharmaceuticals*. 42: 121-127.
- Woo, YT; Arcos, JC; Argus, MF. (1977). Metabolism in vivo of dioxane: identification of p-dioxane-2-one as the major urinary metabolite. *Biochem Pharmacol*. 26: 1535-1538.

Environmental Hazard Literature Search Results

Off Topic

- Woo, YT; Argus, MF; Arcos, JC. (1977). Metabolism in vivo of dioxane: effect of inducers and inhibitors of hepatic mixed-function oxidases. *Biochem Pharmacol.* 26: 1539-1542.
- Woo, YT; Argus, MF; Arcos, JC. (1978). Effect of mixed-function oxidase modifiers on metabolism and toxicity of the oncogen dioxane. *Cancer Res.* 38: 1621-1625.
- Woo, Y-t; Argus, MF; Arcos, JC. (1977). Tissue and subcellular distribution of 3H-dioxane in the rat and apparent lack of microsome-catalyzed covalent binding in the target tissue. *Life Sci.* 21: 1447-1456.
- Wood, AW; Sayer, JM; Newmark, HL; Yagi, H; Michaud, DP; Jerina, DM; Conney, AH. (1982). Mechanism of the inhibition of mutagenicity of a benzo[a]pyrene 7,8-diol 9,10-epoxide by riboflavin 5'-phosphate. *Proceedings of the National Academy of Sciences of the United States of America.* 79: 5122-5126.
- Woodbury, A; Sudicky, E; Ulrych, TJ; Ludwig, R. (1998). Three-dimensional plume source reconstruction using minimum relative entropy inversion. *J Contam Hydrol.* 32: 131-158.
- Wright, IK; Heaton, M; Upton, N; Marsden, CA. (1992). Comparison of acute and chronic treatment of various serotonergic agents with those of diazepam and idazoxan in the rat elevated X-maze. *Psychopharmacology.* 107: 405-414.
- Wu, A-B; Cheng, H-W; Hu, C-M; Chen, F-A; Chou, T-C; Chen, C-Y. (1997). Photolysis of indomethacin in methanol. *Tetrahedron Letters.* 38: 621-622.
- Wu, F; Wu, LH; Xiao, X; Zhang, YQ; Xue, SF; Tao, Z; Day, AI. (2012). Locating the Cyclopentano Cousins of the Cucurbit n uril Family. *J Org Chem.* 77: 606-611.
- Wu, GP; Darensbourg, DJ; Lu, XB. (2012). Tandem metal-coordination copolymerization and organocatalytic ring-opening polymerization via water to synthesize diblock copolymers of styrene oxide/CO₂ and lactide. *J Am Chem Soc.* 134: 17739-17745.
- Wu, J; Eisenberg, A. (2006). Proton diffusion across membranes of vesicles of poly(styrene-*b*-acrylic acid) diblock copolymers. *J Am Chem Soc.* 128: 2880-2884.
- Wu, PL; Martin, A. (1983). Extended Hildebrand Solubility Approach: *p*-Hydroxybenzoic Acid in Mixtures of Dioxane and Water. *J Pharm Sci.* 72: 587-592.
- Wunsch, B; Bauschke, G; Diekmann, H; Hofner, G. (1999). Stereoselective synthesis and receptor binding of conformationally restricted and flexible 2,4-disubstituted 1,3-dioxanes derived from benzomorphans. *Arch Pharm (Weinheim).* 332: 413-421.
- Wust, FR; Kniess, T. (2004). No-carrier added synthesis of (18)F-labelled nucleosides using Stille cross-coupling reactions with 4- (18) F fluoriodobenzene. *Journal of Labelled Compounds & Radiopharmaceuticals.* 47: 457-468.
- Wuts, PGM; Wilson, KE. (1998). Trimethylsilyl directed aromatic sulfonation with sulfur trioxide-dioxane complex. *Synthesis-Stuttgart*1593-1595.
- Wyatt, VT. (2014). The effects of solvent polarity and pKa on the absorption of solvents into poly(glutaric acid-glycerol) films. *Journal of applied polymer science.* 131.
- Xia, C; Liu, Y; Zhou, S; Yang, C; Liu, S; Xu, J; Yu, J; Chen, J; Liang, X. (2009). The Pd-catalyzed hydrodechlorination of chlorophenols in aqueous solutions under mild conditions: a promising approach to practical use in wastewater. *J Hazard Mater.* 169: 1029-1033.
- Xie, XL; Chen, QY. (2004). Inactivation kinetics of beta-n-acetyl-d-glucosaminidase from prawn (*Penaeus vannamei*) in dioxane solution. *Biochemistry-Moscow.* 69: 1365-1371.
- Xin, Q; Pfeiffer, K; Prausnitz, JM; Clark, DS; Blanch, HW. (2012). Extraction of lignins from aqueous-ionic liquid mixtures by organic solvents. *Biotechnol Bioeng.* 109: 346-352.
- Xing, AP; Pang, ZB; Li, HF; Wang, LL. (2014). Efficient novel 1,2-diphosphite ligands derived from D-mannitol in the Pd-catalyzed asymmetric allylic alkylation. *Tetrahedron.* 70: 8822-8828.
- Xing, Q; Dong, X; Li, R; Yang, H; Han, CC; Wang, D. (2013). Morphology and performance control of PLLA-based porous membranes by phase separation. *Polymer.* 54: 5965-5973.
- Xiong, F-J; Li, J; Chen, X-F; Chen, W-X; Chen, F-E. (2014). An improved process for chiron synthesis of the atorvastatin side chain. *Tetrahedron: Asymmetry.* 25: 1205-1208.
- Xu, BZ; Munoz, IG; Janson, JC; Stahlberg, J. (2002). Crystallization and X-ray analysis of native and selenomethionyl beta-mannanase Man5A from blue mussel, *Mytilus edulis*, expressed in *Pichia pastoris*. *Acta Crystallographica Section D-Biological Crystallography.* 58: 542-545.
- Xu, C. (2006). I. Total synthesis of peroxyacarnic acids and peroxyplakoric acids. II. New synthetic methodology for organic peroxides and application of peroxides as enzyme inhibitors. PhD, The University of Nebraska - Lincoln.
- Xu, CP; Schwartz, C; Raible, J; Dussault, PH. (2009). Asymmetric synthesis of 1,2-dioxanes: approaches to the peroxyplakoric acids. *Tetrahedron.* 65: 9680-9685.
- Xu, DZ; Li, H; Wang, YM. (2012). Highly enantioselective Biginelli reaction catalyzed by a simple chiral primary amine catalyst: asymmetric synthesis of dihydropyrimidines. *Tetrahedron.* 68: 7867-7872.
- Xu, F; Jiang, JX; Sun, RC; Tang, JN; Sun, JX; Su, YQ. (2008). Fractional isolation and structural characterization of mild ball-milled lignin in high yield and purity from *Eucommia ulmoides* Oliv. *Wood Science and Technology.* 42: 211-226.
- Xu, F; Sun, JX; Liu, CF; Sun, RC. (2006). Comparative study of alkali- and acidic organic solvent-soluble hemicellulosic polysaccharides from sugarcane bagasse. *Carbohydr Res.* 341: 253-261.
- Xu, JH; Kato, Y; Asano, Y. (2001). Efficient preparation of (R)-alpha-monobenzoyl glycerol by lipase catalyzed asymmetric esterification: Optimization and operation in packed bed reactor. *Biotechnol Bioeng.* 73: 493-499.
- Xu, K. (2011). Synthesis and characterization of polymer electrolyte membranes with controlled ion transport properties. PhD, The Pennsylvania State University.
- Xu, L; Cramer, RE; Vivic, DA. (2015). An unusual example of halogen bonding to potassium t-butoxide. *Journal of Fluorine Chemistry.* 179: 53-55.

Environmental Hazard Literature Search Results

Off Topic

- Xu, W; Gong, NB; Yang, SY; Zhang, N; He, L; Du, GH; Lu, Y. (2015). Isostructurality Among Solvates of Cabazitaxel: X-ray Structures and New Solvates Preparation. *J Pharm Sci.* 104: 1256-1262.
- Xu, X; Zhu, YH; Wang, YZ; Ma, Y; Lu, ZX. (1985). Studies on the chemical modification of hemorrhagic toxin I from five pace snake (*Agkistrodon acutus*) venom. *Toxicon : official journal of the International Society on Toxinology.* 23: 283-288.
- Xu, Z; Mochida, K; Naito, T; Yasuda, K. (2012). Effects of Operational Conditions on 1,4-Dioxane Degradation by Combined Use of Ultrasound and Ozone Microbubbles. *Japanese Journal of Applied Physics.* 51: GD708-GD708.
- Xun Wen, J; Quan Tian, M; Chen, Q. (1994). Synthesis and mesomorphic properties of 4'-n-alkoxy-2,3,5,6-tetrafluorobiphenyl-4-carboxylic acids. *Journal of Fluorine Chemistry.* 67: 207-210.
- Yadav, AK; Sharma, GR; Dhakad, P; Yadav, T. (2012). A novel ionic liquid mediated synthesis of 4(1H)-quinolones, 5H-thiazolo 3,2-a pyrimidin-5-one and 4H-pyrimido 2,1-b benzothiazol-4-ones. *Tetrahedron Letters.* 53: 859-862.
- Yadav, GD; Joshi, SS; Lathi, PS. (2005). Enzymatic synthesis of isoniazid in non-aqueous medium. *Enzyme Microb Technol.* 36: 217-222.
- Yadav, JS; Reddy, BVS; Gopal, AVH; Kumar, G; Madavi, C; Kunwar, AC. (2008). Iodine as a mild and versatile reagent for the synthesis of 1,3-dioxane derivatives via the Prins reaction. *Tetrahedron Letters.* 49: 4420-4423.
- Yadav, LDS; Rai, A. (2008). Direct introduction of glycine/mercaptoacetic acid units into electron-poor alkenes: a novel route to functionally rich alpha-amino/alpha-mercapto acids. *Tetrahedron Letters.* 49: 5751-5754.
- Yakura, T; Omoto, M. (2009). Efficient Synthesis of p-Quinolins Using Catalytic Hypervalent Iodine Oxidation of 4-Arylphenols with 4-Iodophenoxyacetic Acid and Oxone (R). *Chemical & Pharmaceutical Bulletin.* 57: 643-645.
- Yakura, T; Omoto, M; Yamauchi, Y; Tian, Y; Ozono, A. (2010). Hypervalent iodine oxidation of phenol derivatives using a catalytic amount of 4-iodophenoxyacetic acid and Oxone (R) as a co-oxidant. *Tetrahedron.* 66: 5833-5840.
- Yamanoi, T; Misawa, N; Matsuda, S; Watanabe, M. (2008). Preparation of partially benzylated mono-, di-, and trisaccharides by selective cleavage of the beta-fructofuranosidic linkage in fully benzylated sucrose and sucrose-related oligosaccharides under acidic conditions. *Carbohydr Res.* 343: 1366-1372.
- Yamaoka, T; Hotta, Y; Kobayashi, K; Kimura, Y. (1999). Synthesis and properties of malic acid-containing functional polymers. *Int J Biol Macromol.* 25: 265-271.
- Yamashita, Y; Hanaya, K; Shoji, M; Sugai, T. (2016). Simple Synthesis of Sakuranetin and Selinone via a Common Intermediate, Utilizing Complementary Regioselectivity in the Deacetylation of Naringenin Triacetate. *Chemical & Pharmaceutical Bulletin.* 64: 961-965.
- Yan, JW; Ni, TJ; Yan, FL. (2015). Simple and efficient procedures for selective preparation of 3-haloindoles and 2,3-dihaloindoles by using 1,3-dibromo-5, 5-dimethylhydantoin and 1,3-dichloro-5,5-dimethylhydantoin. *Tetrahedron Letters.* 56: 1096-1098.
- Yan, N; Liu, F; Chen, YF; Brusseau, ML. (2016). Influence of Groundwater Constituents on 1,4-Dioxane Degradation by a Binary Oxidant System. *Water Air and Soil Pollution.* 227: 436-436.
- Yang, C; Cheng, W; Teo, PY; Engler, AC; Coady, DJ; Hedrick, JL; Yang, YY. (2013). Mitigated cytotoxicity and tremendously enhanced gene transfection efficiency of PEI through facile one-step carbamate modification. *Advanced healthcare materials.* 2: 1304-1308.
- Yang, HS; Zhang, X; Zhou, L; Wang, PF. (2011). Development of a Photolabile Carbonyl-Protecting Group Toolbox. *J Org Chem.* 76: 2040-2048.
- Yang, M; Shen, Z; Chen, T; Bi, H; Yang, B; Xu, W. (2013). Induced morphology control of Ln-asparagine coordination polymers from the macro to nanoscopic regime in polar solvent-water mixtures. *Dalton transactions (Cambridge, England : 2003).* 42: 1174-1179.
- Yang, N; Xin, L; Gao, W; Zhang, J; Luo, X; Liu, X; Mu, Y. (2012). Al and Zn complexes bearing N,N,N-tridentate quinolinyl anilido-imine ligands: synthesis, characterization and catalysis in L-lactide polymerization. *Dalton transactions (Cambridge, England : 2003).* 41: 11454-11463.
- Yang, QJ; Choy, PY; Fu, WC; Fan, BM; Kwong, FY. (2015). Copper-Catalyzed Oxidative C-H Amination of Tetrahydrofuran with Indole/Carbazole Derivatives. *J Org Chem.* 80: 11193-11199.
- Yang, Y-C. (1982). MORPHOLOGY-PROPERTY RELATIONSHIPS IN POLYMERS: POLY(VINYL CHLORIDE) AND POLYBUTENE-1 (POLYVINYL). PhD, University of Illinois at Urbana-Champaign.
- Yanovsky, Y; Schubring, S; Fleischer, W; Gisselmann, G; Zhu, XR; Lubbert, H; Hatt, H; Rudolph, U; Haas, HL; Sergeeva, OA. (2012). GABA(A) receptors involved in sleep and anaesthesia: beta 1-versus beta 3-containing assemblies. *Pflugers Archiv-European Journal of Physiology.* 463: 187-199.
- Yao, Y; Lalonde, JJ. (2003). Unexpected enantioselectivity and activity of penicillin acylase in the resolution of methyl 2,2-dimethyl-1,3-dioxane-4-carboxylate. *Journal of Molecular Catalysis B: Enzymatic.* 22: 55-59.
- Yao, Y; Zhao, LY; Yang, JJ; Yang, J. (2012). Glucose-Responsive Vehicles Containing Phenylborate Ester for Controlled Insulin Release at Neutral pH. *Biomacromolecules.* 13: 1837-1844.
- Yao, YL; Lv, ZM; Min, H; Lv, ZH; Jiao, HP. (2009). Isolation, identification and characterization of a novel *Rhodococcus* sp strain in biodegradation of tetrahydrofuran and its medium optimization using sequential statistics-based experimental designs. *Bioresour Technol.* 100: 2762-2769.
- Yarushkin, AA; Kachaylo, EM; Pustyl'nyak, VO. (2013). The constitutive androstane receptor activator 4- (4R,6R)-4,6-diphenyl-1,3-dioxan-2-yl - N,N-dimethylaniline inhibits the gluconeogenic genes PEPCK and G6Pase through the suppression of HNF4 alpha and FOXO1 transcriptional activity. *Br J Pharmacol.* 168: 1923-1932.
- Yashiro, M. Studies on the hygroscopicity of wood. 4. Effect of acetylation on the hygroscopicity of dioxane lignin. *Niigata Daigaku Nogaku-bu kenkyu hokoku.* Mar 1978, 30: 37-43.
- Yasuda, M; Sonda, T; Hiraoka, T; Horita, A; Tabata, M. (2003). Effects of the molecular properties of mixed solvents on the elution of alkyl benzoates in RPLC. *Analytical sciences : the international journal of the Japan Society for Analytical Chemistry.* 19: 1637-1641.

Environmental Hazard Literature Search Results

Off Topic

- Yasuhara, A; Shiraishi, H; Nishikawa, M; Yamamoto, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Kawagoshi, Y. (1999). Organic components in leachates from hazardous waste disposal sites. *Waste Management & Research*. 17: 186-197.
- Yasuhara, A; Tanaka, Y; Tanabe, A; Kawata, K; Katami, T. (2003). Elution of 1,4-dioxane from waste landfill sites. *Bull Environ Contam Toxicol*. 71: 641-647.
- Yasui, K; Isobe, T; Matsushita, S; Nakajima, A. (2013). Preparation and photocatalytic activity of porous spherical TiO₂ particles comprised of H₃PW(12)O₄₀ in hydrophobic nanopores. *Journal of Materials Science*. 48: 2290-2298.
- Yasutake, M; Avkiran, M. (1995). Exacerbation of reperfusion arrhythmias by alpha 1 adrenergic stimulation: a potential role for receptor mediated activation of sarcolemmal sodium-hydrogen exchange. *Cardiovascular research*. 29: 222-230.
- Yaylayan, VA; Harty-Majors, S; Ismail, AA. (1998). Investigation of the mechanism of dissociation of glycolaldehyde dimer (2,5-dihydroxy-1,4-dioxane) by FTIR spectroscopy. *Carbohydr Res*. 309: 31-38.
- Yaylayan, VA; Harty-Majors, S; Ismail, AA. (1999). Investigation of DL-glyceraldehyde-dihydroxyacetone interconversion by FTIR spectroscopy. *Carbohydr Res*. 318: 20-25.
- Yekeler, H. (2000). Ab initio study on tautomerism of 2-thiouracil in the gas phase and in solution. *Journal of Computer-Aided Molecular Design*. 14: 243-250.
- Yekeler, H. (2001). Solvent effects on dimeric self-association of 2-pyrrolidinone: An ab initio study. *Journal of Computer-Aided Molecular Design*. 15: 287-295.
- Yekeler, H; Ozbakir, D. (2001). Concerning the solvent effect in the tautomerism of uracil, 5-fluorouracil, and thymine by density-functional theory and ab initio calculations. *J Mol Model*. 7: 103-111.
- Yeomans, DC; Proudfit, HK. (1992). Antinociception induced by microinjection of substance P into the A7 catecholamine cell group in the rat. *Neuroscience*. 49: 681-691.
- Yi, CY; Hua, RM. (2006). An efficient palladium-catalyzed Heck coupling of aryl chlorides with alkenes. *Tetrahedron Letters*. 47: 2573-2576.
- Yi, HP; Wu, JA; Ding, KL; Jiang, XK; Li, ZT. (2007). Hydrogen bonding-induced aromatic oligoamide foldamers as spherand analogues to accelerate the hydrolysis of nitro-substituted anisole in aqueous media. *J Org Chem*. 72: 870-877.
- Yilmaz, M. (2011). Studies on the Radical Cyclization of 3-Oxopropanenitriles and Alkenes with Cerium(IV) Ammonium Nitrate in Ether Solvents. *Helvetica Chimica Acta*. 94: 1335-1342.
- Yokel, RA; Kostenbauder, HB. (1987). Assessment of potential aluminum chelators in an octanol/aqueous system and in the aluminum-loaded rabbit. *Toxicol Appl Pharmacol*. 91: 281-294.
- Yokoyama, T. (2014). Revisiting the Mechanism of β^2 -O-4 Bond Cleavage During Acidolysis of Lignin. Part 6: A Review. *Journal of Wood Chemistry and Technology*. 35: 27-42.
- Yokoyama, T; Matsumoto, Y. (2008). Revisiting the mechanism of beta-O-4 bond cleavage during acidolysis of lignin. Part 1: Kinetics of the formation of enol ether from non-phenolic C(6)-C(2) type model compounds. *Holzforschung*. 62: 164-168.
- Yokoyama, T; Matsumoto, Y. (2010). Revisiting the Mechanism of β^2 -O-4 Bond Cleavage during Acidolysis of Lignin. Part 2: Detailed Reaction Mechanism of a Non-Phenolic C6-C2 Type Model Compound. *Journal of Wood Chemistry and Technology*. 30: 269-282.
- Yoon, SC; Cho, J; Kim, K. (1998). Reactions of 1-aryl-2,2-dihalogenoethanone oximes with tetrasulfur tetranitride (S₄N₄): a general method for the synthesis of 3-aryl-4-halogeno-1,2,5-thiadiazoles. *Journal of the Chemical Society-Perkin Transactions* 1109-116.
- Yoshikawa, K. (1996). Anomalous nonidentity between Salmonella genotoxins and rodent carcinogens and genotoxic noncarcinogens. *Environ Health Perspect*. 104: 40-46.
- Yoshioka, Y; Tashiro, K. (2014). Self-assembled aromatic polyamide nanofibers with trifluoromethyl groups via precipitation polymerization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 447: 148-154.
- Yoshitake, Y; Misaka, J; Abe, M; Yamasaki, M; Eto, M; Harano, K. (2003). Carboxylic acid clathrate hosts of Diels-Alder adducts of phencyclone and 2-alkenoic acids. Role of bidentate C-H center dot center dot center dot O hydrogen bonds between the phenanthrene and carbonyl groups in host-host networks. *Organic & Biomolecular Chemistry*. 1: 1240-1249.
- Yosief, T; Rudi, A; Wolde-ab, Y; Kashman, Y. (1998). Two new C(22) 1,2-dioxane polyketides from the marine sponge *Acarus cf. bergquistae*. *J Nat Prod*. 61: 491-493.
- You, I; Lee, TG; Nam, YS; Lee, H. (2014). Fabrication of a micro-omnifluidic device by omniphilic/omniphobic patterning on nanostructured surfaces. *ACS Nano*. 8: 9016-9024.
- You, Q; Wang, F; Duan, L; Du, X; Xiao, M; Shen, Z. (2010). Construction of small-caliber, polydioxanone cyclohexanone vascular stents. *Cell Biochem Biophys*. 57: 35-43.
- Youn, NK; Heo, JE; Joo, OS; Lee, H; Kim, J; Min, BK. (2010). The effect of dissolved oxygen on the 1,4-dioxane degradation with TiO₂ and Au-TiO₂ photocatalysts. *J Hazard Mater*. 177: 216-221.
- Youn, NK; Heo, JE; Joo, OS; Lee, H; Kim, J; Min, BK. (2010). The effect of dissolved oxygen on the 1,4-dioxane degradation with TiO₂ and Au-TiO₂ photocatalysts. *J Hazard Mater*. 177: 216-221.
- Young, AM; Karri, SK; Helmy, A; Budohoski, KP; Kirillos, RW; Bulters, DO; Kirkpatrick, PJ; Ogilvy, CS; Trivedi, RA. (2014). Pharmacologic Management of Subarachnoid Hemorrhage. *Materials science & engineering C, Materials for biological applications*. 42: 517-528.
- Young, JD; Braun, WH; Gehring, PJ. (1978). The dose-dependent fate of 1,4-dioxane in rats. *J Environ Pathol Toxicol*. 2: 263-282.
- Yousef, TA; El-Gammal, OA; Ghazy, SE; Abu El-Reash, GM. (2011). Synthesis, spectroscopic characterization, pH-metric and thermal behavior on Co(II) complexes formed with 4-(2-pyridyl)-3-thiosemicarbazide derivatives. *Journal of molecular structure*. 1004: 271-283.
- Yousif, M; Kadavil, EA; Oriowo, MA. (1998). Heterogeneity of alpha 1-adrenoceptor subtypes mediating noradrenaline-induced contractions of the rat superior mesenteric artery. *Pharmacology*. 56: 196-206.

Environmental Hazard Literature Search Results

Off Topic

- Yu, GS; Han, QD; Chen, MZ. (1993). A new alpha 1-adrenergic receptor subtype with low affinity for 5-methyl-urapidil but insensitive to chlorethylclonidine. *Zhongguo yao li xue bao = Acta pharmacologica Sinica*. 14: 492-495.
- Yu, H; Zhu, J; Jiang, W. (2008). Effect of binary block-selective solvents on self-assembly of ABA triblock copolymer in dilute solution. *Journal of polymer science*. 46: 1536-1545.
- Yu, L; Lin, CY; Zheng, Z; Li, Z; Wang, XL. (2016). Self-assembly of pH-responsive biodegradable mixed micelles based on anionic and cationic polycarbonates for doxorubicin delivery. *Colloids and Surfaces B-Biointerfaces*. 145: 392-400.
- Yu, Q; Carlsen, P. (2009). Synthesis of a Novel, Optically Active Uridine Analog Containing a 1,4-Dioxane Sugar Moiety. Synthesis of the Corresponding Dinucleotide. *Nucleosides Nucleotides & Nucleic Acids*. 28: 220-237.
- Yu, SJM; Soto, CM; Tirrell, DA. (2000). Nanometer-scale smectic ordering of genetically engineered rodlike polymers: Synthesis and characterization of monodisperse derivatives of poly(gamma-benzyl alpha,L-glutamate). *J Am Chem Soc*. 122: 6552-6559.
- Yu, XF; Zhang, WB; Yue, K; Li, XP; Liu, H; Xin, Y; Wang, CL; Wesdemiotis, C; Cheng, SZD. (2012). Giant Molecular Shape Amphiphiles Based on Polystyrene-Hydrophilic 60 Fullerene Conjugates: Click Synthesis, Solution Self-Assembly, and Phase Behavior. *J Am Chem Soc*. 134: 7780-7787.
- Yu, Y; Koss, MC. (2003). Functional characterization of alpha-adrenoceptors mediating pupillary dilation in rats. *Eur J Pharmacol*. 471: 135-140.
- Yuan, CC; Yang, L; Yue, GZ; Yu, TZ; Zhong, WM; Liu, B. (2012). A base-promoted deprotection of 1,3-dioxolanes to ketones. *Tetrahedron Letters*. 53: 6972-6976.
- Yuan, G; Jones, GB; Vasdev, N; Liang, SH. (2016). Radiosynthesis and preliminary PET evaluation of 18F-labeled 2-(1-(3-fluorophenyl)-2-oxo-5-(pyrimidin-2-yl)-1,2-dihydropyridin-3-yl)benzonitrile for imaging AMPA receptors. *Bioorganic & Medicinal Chemistry Letters*. 26: 4857-4860.
- Yuan, K. (1990). Group 10 transition metal-catalyzed carbon-carbon bond forming reactions. PhD, The University of Iowa.
- Yuasa, H; Hashimoto, H; Abe, Y; Kajimoto, T; Wong, CH. (1999). Studies on the unusual stability of cis-2,5-diethoxy-2,5-bis(hydroxymethyl)-1,4-dioxane. *Tetrahedron*. 55: 2193-2204.
- Yue, GH. (1990). The effect of imaginary maximal muscle contraction training on the voluntary neural drive to muscle. PhD, The University of Iowa.
- Yuge, H; Kim, C-H; Iwamoto, T; Kitazawa, T. (1997). Hofmann-H2O-type and Hofmann-H2O-Td-type host structures accommodating 1,4-dioxane: crystal structures of trans-bis(morpholine-N) cadmium(II) tetracyanonickelate(II), trans-diaquacadmium(II) tetracyanonickelate(II)-(1,4-dioxane)(12) and trans-diaquacadmium(II) tetracyanocadmiate(II) (1,4-dioxane)(12). *Inorganica Chimica Acta*. 257: 217-224.
- Yun, BS; Lee, IK; Ryoo, IJ; Yoo, ID. (2001). Coumarins with monoamine oxidase inhibitory activity and antioxidative coumarino-lignans from *Hibiscus syriacus*. *J Nat Prod*. 64: 1238-1240.
- Yusa, S-I; Endo, T; Ito, M. (2009). Synthesis of thermo-responsive 4-arm star-shaped porphyrin-centered poly(N,N-diethylacrylamide) via reversible addition-fragmentation chain transfer radical polymerization. *Journal of polymer science*. 47: 6827-6838.
- Zahrnãk, R; Tichãk, M; Reid, DH. (1968). Physical properties and chemical reactivity of alternant hydrocarbons and related compounds. XIV : Basicity and electronic spectra of phenalenes. *Tetrahedron*. 24: 3001-3009.
- Zanin, A; Karnop, M; Jeske, Jr; Jones, PG; du Mont, W-W. (1994). Novel trichlorosilylation and trichlorogermylation of a P-chlorophosphaalkene leading to functionally substituted diphosphenes. *Journal of Organometallic Chemistry*. 475: 95-98.
- Zapata-Sudo, G; Pontes, LB; Gabriel, D; Mendes, TCF; Ribeiro, NM; Pinto, AC; Trachez, MM; Sudo, RT. (2007). Sedative-hypnotic profile of novel isatin ketals. *Pharmacology Biochemistry and Behavior*. 86: 678-685.
- Zaware, P; Shah, SR; Pingali, H; Makadia, P; Thube, B; Pola, S; Patel, D; Priyadarshini, P; Suthar, D; Shah, M; Jamili, J; Sairam, K; Giri, S; Patel, L; Patel, H; Sudani, H; Patel, H; Jain, M; Patel, P; Bahekar, R. (2011). Modulation of PPAR subtype selectivity. Part 2: Transforming PPAR alpha/gamma dual agonist into alpha selective PPAR agonist through bioisosteric modification. *Bioorganic & Medicinal Chemistry Letters*. 21: 628-632.
- Zefirov, NS; Blagoveshchensky, VS; Kazimirchik, IV; Surova, NS. (1971). Stereochemical investigations. XII : Conformations of 2-substituted 1,4-oxathians. *Tetrahedron*. 27: 3111-3118.
- Zeng, CH; Yang, YY; Zhu, YM; Wang, HM; Chu, TS; Ng, SW. (2012). A New Luminescent Terbium 4-methylsalicylate Complex as a Novel Sensor for Detecting the Purity of Methanol. *Photochem Photobiol*. 88: 860-866.
- Zeng, FQ; Liu, JB; Allen, C. (2004). Synthesis and characterization of biodegradable poly(ethylene glycol)-block-poly(5-benzyloxy-trimethylene carbonate) copolymers for drug delivery. *Biomacromolecules*. 5: 1810-1817.
- Zeng, JB; Srinivansan, M; Li, YD; Narayan, R; Wang, YZ. (2010). Rapid ring-opening polymerization of 1,4-dioxane initiated by titanium alkoxides. *Journal of polymer science*. 48: 5885-5890.
- Zeng, L; Xu, GC; Gao, PC; Zhang, M; Li, H; Zhang, JW. (2015). Design, synthesis and evaluation of a novel class of glucosamine mimetic peptides containing 1,3-dioxane. *Eur J Med Chem*. 93: 109-120.
- Zeng, Z. (1991). Molecular tweezers: Synthetic receptors for the DNA base adenine. PhD, University of Illinois at Urbana-Champaign.
- Zengin, T; Kantarci, Z; Kasap, E. (1999). An infrared and Raman spectroscopic study on the Hofmann-Td-type 1,4-dioxane clathrates: M(NH3)2M(CN)4·2C4H8O2 (M=Mn or Cd, M²⁺=Hg; M=Cd, M²⁺=Cd). *Journal of Molecular Structure*. 482: 81-85.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2000). Mineralization of 1,4-dioxane in the presence of a structural analog. *Biodegradation*. 11: 239-246.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2002). Modeling cometabolism of cyclic ethers. *Environ Eng Sci*. 19: 215-228.
- Zenker, MJ; Borden, RC; Barlaz, MA. (2004). Biodegradation of 1,4-dioxane using trickling filter. *Journal of Environmental Engineering-Asce*. 130: 926-931.
- Zhai, Y; Wang, X; Li, X; Wang, Y. (2011). Biocompatible hydrogels based on chitosan and poly(p-dioxanone). *Journal of controlled release : official journal of the Controlled Release Society*. 152 Suppl 1: e94-95.

Environmental Hazard Literature Search Results

Off Topic

- Zhang; Kan, Y; Borgerding, AJ; Carlson, RM. (1988). The synthesis of volatile streptomyces lactones. *Tetrahedron Letters*. 29: 5703-5706.
- Zhang, AP; Liu, CF; Sun, RC. (2010). Fractional isolation and characterization of lignin and hemicelluloses from Triploid of *Populus tomentosa* Carr. *Ind Crop Prod*. 31: 357-362.
- Zhang, B; Zhang, Y; Wang, D; Zhu, D. (2011). Characterization of two linear chain compounds: Ferromagnet $\text{NiCl}_2(\text{CH}_3\text{OH})_2(1,4\text{-dioxane})_{0.5}$ (1) and paramagnet $[\text{NiCl}_2(\text{H}_2\text{O})_2(1,4\text{-dioxane})](1,4\text{-dioxane})$ (2). *Polyhedron*. 30: 3145-3150.
- Zhang, C; Shen, W; Fan, R; Zhang, G; Shuang, S; Dong, C; Choi, MM. (2010). Spectral study on the inclusion complex of cryptophane-E and CHCl_3 . *Spectrochimica acta Part A, Molecular and biomolecular spectroscopy*. 75: 157-161.
- Zhang, F. (1992). Factors affecting the swelling and hydraulic conductivity of montmorillonite. PhD, Purdue University.
- Zhang, L; Fang, DC. (2013). Catalytic C-H Activation/C-C Coupling Reaction: DFT Studies on the Mechanism, Solvent Effect, and Role of Additive. *J Org Chem*. 78: 2405-2412.
- Zhang, LF; Hsieh, YL. (2008). Ultra-fine cellulose acetate/poly(ethylene oxide) bicomponent fibers. *Carbohydr Polymer*. 71: 196-207.
- Zhang, RR; Tian, HY; Tan, YF; Chung, TY; Sun, XH; Xia, X; Ye, WC; Middleton, DA; Fedosova, N; Esmann, M; Tzen, JTC; Jiang, RW. (2014). Structures, chemotaxonomic significance, cytotoxic and Na^+ , K^+ -ATPase inhibitory activities of new cardenolides from *Asclepias curassavica*. *Organic & Biomolecular Chemistry*. 12: 8919-8929.
- Zhang, S; Gedalanga, PB; Mahendra, S. (2016). Biodegradation Kinetics of 1,4-Dioxane in Chlorinated Solvent Mixtures. *Environmental Science & Technology*. 50: 9599-9607.
- Zhang, X; Qin, L; Li, D; Wei, Z; Wang, Z. (2014). Hepatic oxidative status and metal homeostasis disturbance of 2-hydroxylated dioxin in ICR mice. *Environ Toxicol Pharmacol*. 38: 881-890.
- Zhang, XF; Li, FB; Wu, J; Shi, JL; Liu, Z; Liu, L. (2015). Synthesis of Fullerene-Fused Dioxanes/Dioxepanes: Ferric Perchlorate-Mediated One-Step Reaction of 60 Fullerene with Diols. *J Org Chem*. 80: 6037-6043.
- Zhang, XJ; Zhang, ZG; Su, X; Cai, MM; Zhuo, RX; Zhong, ZL. (2013). Phenylboronic acid-functionalized polymeric micelles with a HepG2 cell targetability. *Biomaterials*. 34: 10296-10304.
- Zhang, XM; Qiu, M; Sun, J; Zhang, YB; Yang, YS; Wang, XL; Tang, JF; Zhu, HL. (2011). Synthesis, biological evaluation, and molecular docking studies of 1,3,4-oxadiazole derivatives possessing 1,4-benzodioxan moiety as potential anticancer agents. *Bioorganic & medicinal chemistry*. 19: 6518-6524.
- Zhang, X-R; He, S-F; Zhang, S; Li, J; Li, S; Liu, J-S; Zhang, L. (2017). Polymorphs and solvatomorphs of azilsartan medoxomil: Elucidation of solvent-induced construction and conformational diversity. *Journal of Molecular Structure*. 1130: 103-113.
- Zhang, Y; Gu, W; Xu, H; Liu, S. (2008). Facile fabrication of hybrid nanoparticles surface grafted with multi-responsive polymer brushes via block copolymer micellization and self-catalyzed core gelation. *Journal of polymer science*. 46: 2379-2389.
- Zhang, Y; Li, C; Liu, S. (2009). One-pot synthesis of ABC miktoarm star terpolymers by coupling ATRP, ROP, and click chemistry techniques. *Journal of polymer science*. 47: 3066-3077.
- Zhang, Y; Ping, GC; Zhu, BM; Kaji, N; Tokeshi, M; Baba, Y. (2007). Enhanced electrophoretic resolution of monosulfate glycosaminoglycan disaccharide isomers on poly(methyl methacrylate) chips. *Electrophoresis*. 28: 414-421.
- Zhang, Y; Xu, K; Han, C. (1997). Alterations of cardiac alpha 1-adrenoceptor subtypes in hypothyroid rats. *Clinical and experimental pharmacology & physiology*. 24: 481-486.
- Zhang, YB; Su, J; Furukawa, H; Yun, YF; Gandara, F; Duong, A; Zou, XD; Yaghi, OM. (2013). Single-Crystal Structure of a Covalent Organic Framework. *J Am Chem Soc*. 135: 16336-16339.
- Zhang, YH; Li, CJ. (2004). Microwave-assisted direct addition of cycloethers to alkynes. *Tetrahedron Letters*. 45: 7581-7584.
- Zhang, Z. (1988). Interaction of water and organic compounds with clay as determined from heat of immersion and heat of adsorption. PhD, Purdue University.
- Zhang, Z; Cui, D; Liu, X. (2008). Alternating copolymerization of cyclohexene oxide and carbon dioxide catalyzed by noncyclopentadienyl rare-earth metal bis(alkyl) complexes. *Journal of polymer science*. 46: 6810-6818.
- Zhang, Z; Grijpma, DW; Feijen, J. (1986). Thermo-sensitive transition of monomethoxy poly(ethylene glycol)-block-poly(trimethylene carbonate) films to micellar-like nanoparticles. *Journal of controlled release : official journal of the Controlled Release Society*. 112: 57-63.
- Zhang, Z; Grijpma, DW; Feijen, J. (2006). Poly(trimethylene carbonate) and monomethoxy poly(ethylene glycol)-block-poly(trimethylene carbonate) nanoparticles for the controlled release of dexamethasone. *Journal of controlled release : official journal of the Controlled Release Society*. 111: 263-270.
- Zhang, Z; Grijpma, DW; Feijen, J. (2006). Trimethylene carbonate-based polymers for controlled drug delivery applications. *Journal of controlled release : official journal of the Controlled Release Society*. 116: e28-29.
- Zhang, Z; He, F; Zhuo, R. (2013). Immobilized lipase on porous silica particles: Preparation and application for biodegradable polymer syntheses in ionic liquid at higher temperature. *Journal of molecular catalysis*. 94: 129-135.
- Zhang, Z; Kuijter, R; Bulstra, SK; Grijpma, DW; Feijen, J. (1987). The in vivo and in vitro degradation behavior of poly(trimethylene carbonate). *Biomaterials*. 27: 1741-1748.
- Zhang, ZB; Lee, SD; Widenhofer, RA. (2009). Intermolecular Hydroamination of Ethylene and 1-Alkenes with Cyclic Ureas Catalyzed by Achiral and Chiral Gold(I) Complexes. *J Am Chem Soc*. 131: 5372-+.
- Zhang, ZB; Liu, C; Kinder, RE; Han, XQ; Qian, H; Widenhofer, RA. (2006). Highly active Au(I) catalyst for the intramolecular exo-hydrofunctionalization of allenes with carbon, nitrogen, and oxygen nucleophiles. *J Am Chem Soc*. 128: 9066-9073.
- Zhang, ZZ; Low, PF; Cushman, JH; Roth, CB. Adsorption and heat of adsorption of organic compounds on montmorillonite from aqueous solutions. *Soil Science Society of America journal*. Jan/Feb 1990. v. 54 (1): 59-66 ill.

Environmental Hazard Literature Search Results

Off Topic

- Zhao, CM; Whalen, DL. (2006). Transition state effects in the acid-catalyzed hydrolysis of 5-methoxyacenaphthylene 1,2-oxide: Implications for the mechanism of acid-catalyzed hydrolysis of cyclopenta cd pyrene 3,4-oxide. *Chem Res Toxicol.* 19: 217-222.
- Zhao, D; Jiang, YW; Ma, DW. (2014). Copper-catalyzed coupling of aryl iodides and tert-butyl beta-keto esters: efficient access to alpha-aryl ketones and alpha-arylacetic acid tert-butyl esters. *Tetrahedron.* 70: 3327-3332.
- Zhao, JM; Bolte, M; Dordea, C; Gruner, B; Bohmer, V. (2009). Calix 4 arenes Substituted on the Narrow Rim with Malononitrile and Cobalt Bis(dicarbollide) Anion. *Synthesis-Stuttgart*4063-4067.
- Zhao, L; Hou, H; Fujii, A; Hosomi, M; Li, FS. (2014). Degradation of 1,4-dioxane in water with heat- and Fe²⁺-activated persulfate oxidation. *Environ Sci Pollut Res Int.* 21: 7457-7465.
- Zhao, MM; Hwa, J; Perez, DM. (1996). Identification of critical extracellular loop residues involved in alpha 1-adrenergic receptor subtype-selective antagonist binding. *Mol Pharmacol.* 50: 1118-1126.
- Zhao, Q; Sun, J; Ling, Q; Zhou, Q. (2008). Effect of 1,4-dioxane on synthesis of macroporous poly(N-isopropylacrylamide) hydrogels. *Journal of polymer science.* 46: 6594-6603.
- Zhao, Y; Huang, H; Shao, J; Xia, C. (2011). Readily available and recoverable chiral ionic phosphite ligands for the highly enantioselective hydrogenation of functionalized olefins. *Tetrahedron: Asymmetry.* 22: 769-774.
- Zheng, J-Y; Wang, S-F; Zhang, Y-J; Ying, X-X; Wang, Y-g; Wang, Z. (2013). Chemoenzymatic synthesis of d-biotin intermediate lactone via lipase-catalyzed desymmetrization of meso diols. *Journal of molecular catalysis.* 98: 37-41.
- Zheng, XS; Duan, CZ; Xiao, ZD; Yao, BA. (2008). Transdermal delivery of praziquantel: Effects of solvents on permeation across rabbit skin. *Biological & Pharmaceutical Bulletin.* 31: 1045-1048.
- Zheng, ZB; Li, ZZ; Han, BB; He, ZM; Shi, TF; Cheng, P. (2015). A mild and efficient method for one-step alpha-haloacetalization of acetophenones using 1,3-dihalo-5,5-dimethylhydantoin in ethylene glycol. *Tetrahedron Letters.* 56: 2219-2222.
- Zhivetyeva, SI; Selivanova, GA; Goryunov, LI; Bagryanskaya, IY; Shteingarts, VD. (2015). Triphenylphosphanodefluorination of fluoranil and its derivatives. *Journal of Fluorine Chemistry.* 180: 21-32.
- Zhong, H; Brusseau, ML; Wang, YK; Yan, N; Quig, L; Johnson, GR. (2015). In-situ activation of persulfate by iron filings and degradation of 1,4-dioxane. *Water Res.* 83: 104-111.
- Zhou, H; Jiang, Y; Chen, M; Wang, Y; Yao, Y; Wu, B; Cui, D. (2014). Synthesis and characterization of lanthanide amides bearing phenoxy(quinolinyl)amide ligand and their application in the ring-opening polymerization of 1,4-dioxan-2-one. *Journal of Organometallic Chemistry.* 763-764: 52-59.
- Zhou, YP; Karni, M; Yao, SL; Apeloig, Y; Driess, M. (2016). A Bis(silylanyl)pyridine Zero-Valent Germanium Complex and Its Remarkable Reactivity. *Angewandte Chemie-International Edition.* 55: 15096-15099.
- Zhou, YY; Chen, DZ; Zhu, RY; Jin, XJ; Chen, JM. (2011). STATISTICAL ANALYSIS FOR OPTIMIZING TETRAHYDROFURAN DEGRADATION BY PSEUDOMONAS OLEOVORANS DT4 IN FED-BATCH CULTURE. *Fresen Environ Bull.* 20: 2451-2459.
- Zhou, YY; Huang, HL; Shen, DS. (2016). Multi-substrate biodegradation interaction of 1, 4-dioxane and BTEX mixtures by *Acinetobacter baumannii* DD1. *Biodegradation.* 27: 37-46.
- Zhu, J; Dong, XT; Wang, XL; Wang, YZ. (2010). Preparation and properties of a novel biodegradable ethyl cellulose grafting copolymer with poly(p-dioxanone) side-chains. *Carbohydr Polymer.* 80: 350-359.
- Zhu, Q. (1994). New synthetic methodologies using divalent germanium compounds. PhD, Northwestern University.
- Zhu, X-L; Wu, G; Qiu, Z-C; Zhou, Y; Gong, J; Yang, K-K; Wang, Y-Z. (2008). Ring-opening polymerization of 1,4-dioxan-2-one initiated by lanthanum isopropoxide in bulk. *Journal of polymer science.* 46: 5214-5222.
- Zhunuspayev, DE; Mun, GA; Hole, P; Khutoryanskiy, VV. (2008). Solvent effects on the formation of nanoparticles and multilayered coatings based on hydrogen-bonded interpolymer complexes of poly(acrylic acid) with homo- and copolymers of N-vinyl pyrrolidone. *Langmuir : the ACS journal of surfaces and colloids.* 24: 13742-13747.
- Zikeli, F; Ters, T; Fackler, K; Srebotnik, E; Li, JB. (2014). Successive and quantitative fractionation and extensive structural characterization of lignin from wheat straw. *Ind Crop Prod.* 61: 249-257.
- Zimmel, JM. (1983). MOTION OF RODLIKE MOLECULES (SPIN LABELING, POLYBENZYLGLUTAMATE). PhD, University of Minnesota.
- Zimmerman, BG; Raich, PC. (1992). Renal hemodynamics in canine DOCA-salt hypertension: effect of calcium channel blockade. *The Tohoku journal of experimental medicine.* 166: 147-154.
- Zimmermann, FK; Mayer, VW; Scheel, I; Resnick, MA. (1985). Acetone, methyl ethyl ketone, ethyl acetate, acetonitrile and other polar aprotic solvents are strong inducers of aneuploidy in *Saccharomyces cerevisiae*. *Mutat Res.* 149: 339-351.
- Zimmermann, FK; Rohlf, A. (1991). The influence of solvent stress on MMS-induced genetic change in *Saccharomyces cerevisiae*. *Mutat Res.* 250: 239-250.
- Zini, E; Scandola, M; Dobrzynski, P; Kasperczyk, J; Bero, M. (2007). Shape memory behavior of novel (L-lactide-glycolide-trimethylene carbonate) terpolymers. *Biomacromolecules.* 8: 3661-3667.
- Zipper, P; Ribitsch, G; Schurz, J. The interaction of calf thymus DNA with mercuric acetate and 3,6-bis-(acetatomercurimethyl)-dioxane. Small-angle X-ray scattering and viscosity studies. *Zeitschrift fur Naturforschung Section C.* Sept 1982. v. 37 (9): 824-832.
- Zoidis, G; Benaki, D; Myriantopoulos, V; Naesens, L; De Clercq, E; Mikros, E; Kolocouris, N. (2009). Synthesis of 1,2-annulated adamantane heterocycles: structural determination studies of a bioactive cyclic sulfite. *Tetrahedron Letters.* 50: 2671-2675.
- Zong, KW; Abboud, KA; Reynolds, J. (2004). A palladium-catalyzed synthesis of 2-alkylidene-pyrrolo c -1,4-dioxanes: synthesis of 3,4-(cis-1,2-dimethyl)ethylenedioxyppyrrrole. *Tetrahedron Letters.* 45: 4973-4975.
- Zora, M; Kivrak, A; Kelgokmen, Y. (2014). A novel one-pot synthesis of ferrocenyl-substituted 1,2,4-oxadiazoles. *Journal of Organometallic Chemistry.* 759: 67-73.

Environmental Hazard Literature Search Results

Off Topic

- Zora, M; Kokturk, M; Eralp, T. (2006). Synthesis of 2-ferrocenyldiene-4-cyclopentene-1,3-diones. *Tetrahedron*. 62: 10344-10351.
- Zornoza, A; de No, C; Martin, C; Goni, MM; Oharriz, MCM; Velaz, I. (1999). Evidence for polymorphism in glisentide. *Int J Pharm*. 186: 199-204.
- Zuyderhoff, EM; Dupont-Gillain, CC. (2012). Nano-organized collagen layers obtained by adsorption on phase-separated polymer thin films. *Langmuir : the ACS journal of surfaces and colloids*. 28: 2007-2014.
- Zuyun, H; Houping, H; Ruxiu, C; Yun'e, Z. (1998). Organic solvent enhanced spectrofluorimetric method for determination of laccase activity. *Anal Chim Acta*. 374: 99-103.

Human Health Hazard Literature Search Results

On Topic

- ACGIH. (2011). Documentation of the threshold limit values and biological exposure indices, 1,4-dioxane. Threshold limit values for chemical substances and physical agents and biological exposure indices. In *Industrial ventilation: A manual of recommended practice for design* (27th ed.). Cincinnati, OH.
- Agrawal, AK; Shapiro, BH. (2000). Differential expression of gender-dependent hepatic isoforms of cytochrome P-450 by pulse signals in the circulating masculine episodic growth hormone profile of the rat. *J Pharmacol Exp Ther*. 292: 228-237.
- Andersen, ME; Clewell, HJ, III; Gargas, ML; Smith, FA; Reitz, RH. (1987). Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. *Toxicol Appl Pharmacol*. 87: 185-205. [http://dx.doi.org/10.1016/0041-008X\(87\)90281-X](http://dx.doi.org/10.1016/0041-008X(87)90281-X).
- Argus, MF; Arcos, JC; Hoch-Ligeti, C. (1965). Studies on the carcinogenic activity of protein-denaturing agents: Hepatocarcinogenicity of dioxane. *J Natl Cancer Inst*. 35: 949-958.
- Argus, MF; Sohal, RS; Bryant, GM; Hoch-Ligeti, C; Arcos, JC. (1973). Dose-response and ultrastructural alterations in dioxane carcinogenesis. Influence of methylcholanthrene on acute toxicity. *Eur J Cancer*. 9: 237-243. [http://dx.doi.org/10.1016/0014-2964\(73\)90088-1](http://dx.doi.org/10.1016/0014-2964(73)90088-1).
- Ashby, J. (1994). The genotoxicity of 1,4-dioxane. *Mutat Res*. 322: 141-142. [http://dx.doi.org/10.1016/0165-1218\(94\)00022-0](http://dx.doi.org/10.1016/0165-1218(94)00022-0).
- ATSDR. (2012). Toxicological profile for 1,4 dioxane [ATSDR Tox Profile]. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service. <http://www.atsdr.cdc.gov/toxprofiles/tp.asp?id=955&tid=199>.
- Bannasch, P. (2003). Comments on R. Karbe and R.L. Kerlin (2002) Cystic degeneration/spongiosis hepatis (*Toxicol Pathol* 30 (2), 216-227) [Letter]. *Toxicol Pathol*. 31: 566-570. <http://dx.doi.org/10.1080/01926230390224700>.
- Bannasch, P; Moore, MA; Klimek, F; Zerban, H. (1982). Biological markers of preneoplastic foci and neoplastic nodules in rodent liver. *Toxicol Pathol*. 10: 19-34. <http://dx.doi.org/10.1177/019262338201000204>.
- Barber, H. (1934). Haemorrhagic nephritis and necrosis of the liver from dioxan poisoning. *Guy's Hosp Rep*. 84: 267-280.
- Bielen, A; Cetković, H; Long, PF; Schwab, H; Abramić, M; Vujaklija, D. (2009). The SGNH-hydrolase of *Streptomyces coelicolor* has (aryl)esterase and a true lipase activity. *Biochimie*. 91: 390-400. <http://dx.doi.org/10.1016/j.biochi.2008.10.018>.
- Bonifazi, A; Piergentili, A; Del Bello, F; Farande, Y; Giannella, M; Pignini, M; Amantini, C; Nabissi, M; Farfariello, V; Santoni, G; Poggesi, E; Leonardi, A; Menegon, S; Quaglia, W. (2013). Structure-activity relationships in 1,4-benzodioxan-related compounds. 11. (1) reversed enantioselectivity of 1,4-dioxane derivatives in α 1-adrenergic and 5-HT1A receptor binding sites recognition. *J Med Chem*. 56: 584-588. <http://dx.doi.org/10.1021/jm301525w>.
- Braun, WH; Young, JD. (1977). Identification of beta-hydroxyethoxyacetic acid as the major urinary metabolite of 1,4-dioxane in the rat. *Toxicol Appl Pharmacol*. 39: 33-38. [http://dx.doi.org/10.1016/0041-008X\(77\)90174-0](http://dx.doi.org/10.1016/0041-008X(77)90174-0).
- Bronaugh, RL. (1982). Percutaneous absorption of cosmetic ingredients. In P Frost; SN Horwitz (Eds.), (pp. 277-284). St. Louis, MO: C.V. Mosby.
- Brown, RP; Delp, MD; Lindstedt, SL; Rhomberg, LR; Beliles, RP. (1997). Physiological parameter values for physiologically based pharmacokinetic models [Review]. *Toxicol Ind Health*. 13: 407-484. <http://dx.doi.org/10.1177/074823379701300401>.
- Buffler, PA; Wood, SM; Suarez, L; Kilian, DJ. (1978). Mortality follow-up of workers exposed to 1,4-dioxane. *J Occup Environ Med*. 20: 255-259.
- Bull, RJ; Robinson, M; Laurie, RD. (1986). Association of carcinoma yield with early papilloma development in SENCAR mice. *Environ Health Perspect*. 68: 11-17.
- Burmistrov, SO; Arutyunyan, AV; Stepanov, MG; Oparina, TI; Prokopenko, VM. (2001). Effect of chronic inhalation of toluene and dioxane on activity of free radical processes in rat ovaries and brain. *Bull Exp Biol Med*. 132: 832-836.
- Cal/EPA. (2000). Determination of noncancer chronic reference exposure levels: Appendix D3. Chronic toxicity summary. 1,4-Dioxane (pp. 189-195). Sacramento, CA: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. http://oehha.ca.gov/air/hot_spots/2008/AppendixD3_final.pdf#page=189.
- Cal/EPA. (2008). Technical support document for noncancer RELs. Acute toxicity summary. 1,4-dioxane (pp. 80-84). Sacramento, CA: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. http://oehha.ca.gov/air/hot_spots/2008/AppendixD2_final.pdf#page=80.
- Chilin, A; Conconi, MT; Marzaro, G; Guiotto, A; Urbani, L; Tonus, F; Parnigotto, P. (2010). Exploring epidermal growth factor receptor (EGFR) inhibitor features: the role of fused dioxygenated rings on the quinazoline scaffold. *J Med Chem*. 53: 1862-1866. <http://dx.doi.org/10.1021/jm901338g>.
- Choi, YS; Yoo, YJ. (2012). A hydrophilic and hydrophobic organic solvent mixture enhances enzyme stability in organic media. *Biotechnol Lett*. 34: 1131-1135. <http://dx.doi.org/10.1007/s10529-012-0886-7>.
- Chow, ET; Mahalingaiah, S. (2016). Cosmetics use and age at menopause: is there a connection? [Review]. *Fertil Steril*. 106: 978-990. <http://dx.doi.org/10.1016/j.fertnstert.2016.08.020>.

Human Health Hazard Literature Search Results

On Topic

- Clark, B; Furlong, JW; Ladner, A; Slovak, AJM. (1984). Dermal toxicity of dimethyl acetylene dicarboxylate, N-methyl pyrrolidone, triethylene glycol dimethyl ether, dioxane and tetralin in the rat. *IRCS Med Sci.* 12: 296-297.
- David, H. (1964). Electron-microscopic findings in dioxan-dependent nephrosis in rat kidneys. *Beitr Pathol Anat.* 130: 187-212.
- de Navasquez, S. (1935). Experimental tubular necrosis of the kidneys accompanied by liver changes due to dioxane poisoning. *J Hyg.* 35: 540-548.
- Del Bello, F; Barocelli, E; Bertoni, S; Bonifazi, A; Camalli, M; Campi, G; Giannella, M; Matucci, R; Nesi, M; Pignini, M; Quaglia, W; Piergentili, A. (2012). 1,4-dioxane, a suitable scaffold for the development of novel M₃ muscarinic receptor antagonists. *J Med Chem.* 55: 1783-1787. <http://dx.doi.org/10.1021/jm2013216>.
- Del Bello, F; Bonifazi, A; Quaglia, W; Mazzolari, A; Barocelli, E; Bertoni, S; Matucci, R; Nesi, M; Piergentili, A; Vistoli, G. (2014). Mode of interaction of 1,4-dioxane agonists at the M2 and M3 muscarinic receptor orthosteric sites. *24: 3255-3259.* <http://dx.doi.org/10.1016/j.bmcl.2014.06.020>.
- Derosa, CT; Wilbur, S; Holler, J; Richter, P; Stevens, YW. (1996). Health evaluation of 1,4-dioxane [Review]. *Toxicol Ind Health.* 12: 1-43. <http://dx.doi.org/10.1177/074823379601200101>.
- Dourson, M; Reichard, J; Nance, P; Burleigh-Flayer, H; Parker, A; Vincent, M; McConnell, EE. (2014). Mode of action analysis for liver tumors from oral 1,4-dioxane exposures and evidence-based dose response assessment. *Regul Toxicol Pharmacol.* 68: 387-401. <http://dx.doi.org/10.1016/j.yrtph.2014.01.011>.
- Drew, RT; Patel, JM; Lin, FN. (1978). Changes in serum enzymes in rats after inhalation of organic solvents singly and in combination. *Toxicol Appl Pharmacol.* 45: 809-819. [http://dx.doi.org/10.1016/0041-008X\(78\)90172-2](http://dx.doi.org/10.1016/0041-008X(78)90172-2).
- Ernstgard, L; Iregren, A; Sjogren, B; Johanson, G. (2006). Acute effects of exposure to vapours of dioxane in humans. *Hum Exp Toxicol.* 25: 723-729. <http://dx.doi.org/10.1177/0960327106073805>.
- Fairley, A; Linton, EC; Ford-Moore, AH. (1934). The toxicity to animals of 1:4 dioxan. *J Hyg.* 34: 486-501. <http://dx.doi.org/10.1017/S0022172400043266>.
- Fisher, J; Mahle, D; Bankston, L; Greene, R; Gearhart, J. (1997). Lactational transfer of volatile chemicals in breast milk. *Am Ind Hyg Assoc J.* 58: 425-431. <http://dx.doi.org/10.1080/15428119791012667>.
- Frantík, E; Hornychová, M; Horváth, M. (1994). Relative acute neurotoxicity of solvents: Isoeffective air concentrations of 48 compounds evaluated in rats and mice. *Environ Res.* 66: 173-185. <http://dx.doi.org/10.1006/enrs.1994.1053>.
- Galloway, SM; Armstrong, MJ; Reuben, C; Colman, S; Brown, B; Cannon, C; Bloom, AD; Nakamura, F; Ahmed, M; Duk, S; Rimpo, J; Margolin, BH; Resnick, MA; Anderson, B; Zeiger, E. (1987). Chromosome aberrations and sister chromatid exchanges in Chinese hamster ovary cells: Evaluations of 108 chemicals [Review]. *Environ Mol Mutagen.* 10: 1-175. <http://dx.doi.org/10.1002/em.2850100502>.
- Giavini, E; Vismara, C; Broccia, ML. (1985). Teratogenesis study of dioxane in rats. *Toxicol Lett.* 26: 85-88. [http://dx.doi.org/10.1016/0378-4274\(85\)90189-4](http://dx.doi.org/10.1016/0378-4274(85)90189-4).
- Göen, T; von Helden, F; Eckert, E; Knecht, U; Drexler, H; Walter, D. (2016). Metabolism and toxicokinetics of 1,4-dioxane in humans after inhalational exposure at rest and under physical stress. *Arch Toxicol.* 90: 1315-1324. <http://dx.doi.org/10.1007/s00204-015-1567-9>.
- Goldberg, ME; Johnson, HE; Pozzani, UC; Smyth, HF, Jr. (1964). Effect of repeated inhalation of vapors of industrial solvents on animal behavior: I. Evaluation of nine solvent vapors on pole-climb performance in rats. *Am Ind Hyg Assoc J.* 25: 369-375. <http://dx.doi.org/10.1080/00028896409342606>.
- Goldsworthy, TL; Monticello, TM; Morgan, KT; Bermudez, E; Wilson, DM; Jäckh, R; BE, B. (1991). Examination of potential mechanisms of carcinogenicity of 1,4-dioxane in rat nasal epithelial cells and hepatocytes. *Arch Toxicol.* 65: 1-9. <http://dx.doi.org/10.1007/BF01973495>.
- Halden, RU. (2015). Epistemology of contaminants of emerging concern and literature meta-analysis. *J Hazard Mater.* 282: 2-9. <http://dx.doi.org/10.1016/j.jhazmat.2014.08.074>.
- Haworth, S; Lawlor, T; Mortelmans, K; Speck, W; Zeiger, E. (1983). Salmonella mutagenicity test results for 250 chemicals. *Environ Mutagen.* 5: 3-142. <http://dx.doi.org/10.1002/em.2860050703>.
- Hellmér, L; Bolcsfoldi, G. (1992). An evaluation of the E. coli K-12 uvrB/recA DNA repair host-mediated assay: I. In vitro sensitivity of the bacteria to 61 compounds. *Mutat Res.* 272: 145-160. [http://dx.doi.org/10.1016/0165-1161\(92\)90043-L](http://dx.doi.org/10.1016/0165-1161(92)90043-L).
- Hoch-Ligeti, C; Argus, MF. (1970). Effect of carcinogens on the lung of guinea pigs. In P Nettlesheim; MG Hanna Jr; JW Deatherage Jr (Eds.), (pp. 267-279). Oak Ridge, TN: United States Atomic Energy Commission, Division of Technical Information. <https://ntrl.ntis.gov/NTRL/dashboard/searchResults.xhtml?searchQuery=CONF700501>.
- Hoch-Ligeti, C; Argus, MF; Arcos, JC. (1970). Induction of carcinomas in the nasal cavity of rats by dioxane. *Br J Cancer.* 24: 164-167.
- HSDB. (2007). 1,4-Dioxane. Bethesda, Maryland: National Library of Medicine, National Toxicology Program, Hazardous Substances Data Bank.
- IARC. (1999). 1,4-Dioxane. In IARC Monographs on the Evaluation of Carcinogenic Risks to Humans (pp. 589-602). Lyon, France. <http://monographs.iarc.fr/ENG/Monographs/vol71/mono71-25.pdf>.
- JBRC. (1998). Two-year studies of 1,4-dioxane in F344 rats and BDF1 mice (drinking water). Kanagawa, Japan.
- Johnstone, RT. (1959). Death due to dioxane? *AMA Arch Ind Health.* 20: 445-447.
- Juhász, ML; Marmur, ES. (2014). A review of selected chemical additives in cosmetic products [Review]. *Dermatol Ther.* 27: 317-322. <http://dx.doi.org/10.1111/dth.12146>.
- Kanada, M; Miyagawa, M; Sato, M; Hasegawa, H; Honma, T. (1994). Neurochemical profile of effects of 28 neurotoxic chemicals on the central nervous system in rats (1) Effects of oral administration on brain contents of biogenic amines and metabolites. *Ind Health.* 32: 145-164. <http://dx.doi.org/10.2486/indhealth.32.145>.

Human Health Hazard Literature Search Results

On Topic

- Kano, H; Umeda, Y; Kasai, T; Sasaki, T; Matsumoto, M; Yamazaki, K; Nagano, K; Arito, H; Fukushima, S. (2009). Carcinogenicity studies of 1,4-dioxane administered in drinking-water to rats and mice for 2 years. *Food Chem Toxicol.* 47: 2776-2784. <http://dx.doi.org/10.1016/j.fct.2009.08.012>.
- Kano, H; Umeda, Y; Saito, M; Senoh, H; Ohbayashi, H; Aiso, S; Yamazaki, K; Nagano, K; Fukushima, S. (2008). Thirteen-week oral toxicity of 1,4-dioxane in rats and mice. *J Toxicol Sci.* 33: 141-153. <http://dx.doi.org/10.2131/jts.33.141>.
- Kasai, T; Kano, H; Umeda, Y; Sasaki, T; Ikawa, N; Nishizawa, T; Nagano, K; Arito, H; Nagashima, H; Fukushima, S. (2009). Two-year inhalation study of carcinogenicity and chronic toxicity of 1,4-dioxane in male rats. *Inhal Toxicol.* 21: 889-897. <http://dx.doi.org/10.1080/08958370802629610>.
- Kasai, T; Saito, M; Senoh, H; Umeda, Y; Aiso, S; Ohbayashi, H; Nishizawa, T; Nagano, K; Fukushima, S. (2008). Thirteen-week inhalation toxicity of 1,4-dioxane in rats. *Inhal Toxicol.* 20: 961-971. <http://dx.doi.org/10.1080/08958370802105397>.
- Kesten, HD; Mulinis, MG; Pomerantz, L. (1939). Pathologic effects of certain glycols and related compounds. *Arch Pathol.* 27: 447-465.
- Khudoley, VV; Mizgirev, I; Pliss, GB. (1987). The study of mutagenic activity of carcinogens and other chemical agents with Salmonella typhimurium assays: Testing of 126 compounds. *Arch Geschwulstforsch.* 57: 453-462.
- King, ME; Shefner, AM; Bates, RR. (1973). Carcinogenesis bioassay of chlorinated dibenzodioxins and related chemicals. *Environ Health Perspect.* 5: 163-170.
- Kitchin, KT; Brown, JL. (1990). Is 1,4-dioxane a genotoxic carcinogen? *Cancer Lett.* 53: 67-71. [http://dx.doi.org/10.1016/0304-3835\(90\)90012-M](http://dx.doi.org/10.1016/0304-3835(90)90012-M).
- Knoefel, PK. (1935). Narcotic potency of some cyclic acetals. *J Pharmacol Exp Ther.* 53: 440-444.
- Kociba, RJ; Mccollister, SB; Park, C; Torkelson, TR; Gehring, PJ. (1974). 1,4-dioxane. I. Results of a 2-year ingestion study in rats. *Toxicol Appl Pharmacol.* 30: 275-286. [http://dx.doi.org/10.1016/0041-008X\(74\)90099-4](http://dx.doi.org/10.1016/0041-008X(74)90099-4).
- Kociba, RJ; Torkelson, TR; Young, JD; Gehring, PJ. (1975). Proceedings of the 6th Annual Conference on Environmental Toxicology 1,4-Dioxane: Correlation of the results of chronic ingestion and inhalation studies with its dose-dependent fate in rats. Wright-Patterson Air Force Base, OH: Wright-Patterson Air Force Base, Air Force Systems Command, Aerospace Medical Division, Aerospace Medical Research Laboratory. <https://ntrl.ntis.gov/NTRL/dashboard/searchResults.xhtml?searchQuery=ADA024899>.
- Kurl, RN; Poellinger, L; Lund, J; Gustafsson, JA. (1981). Effects of dioxane on RNA synthesis in the rat liver. *Arch Toxicol.* 49: 29-33. <http://dx.doi.org/10.1007/BF00352068>.
- Kwan, KK; Dutka, BJ; Rao, SS; Liu, D. (1990). Mutatox test: A new test for monitoring environmental genotoxic agents. *Environ Pollut.* 65: 323-332. [http://dx.doi.org/10.1016/0269-7491\(90\)90124-U](http://dx.doi.org/10.1016/0269-7491(90)90124-U).
- Laug, EP; Calvery, HO; Morris, HJ; Woodard, G. (1939). The toxicology of some glycols and derivatives. *J Ind Hyg Toxicol.* 21: 173-201.
- Leung, HW; Paustenbach, DJ. (1990). Cancer risk assessment for dioxane based upon a physiologically-based pharmacokinetic approach. *Toxicol Lett.* 51: 147-162.
- Lundberg, I; Ekdahl, M; Kronevi, T; Lidums, V; Lundberg, S. (1986). Relative hepatotoxicity of some industrial solvents after intraperitoneal injection or inhalation exposure in rats. *Environ Res.* 40: 411-420. [http://dx.doi.org/10.1016/S0013-9351\(86\)80116-5](http://dx.doi.org/10.1016/S0013-9351(86)80116-5).
- Lundberg, I; Hogberg, J; Kronevi, T; Holmberg, B. (1987). Three industrial solvents investigated for tumor promoting activity in the rat liver. *Cancer Lett.* 36: 29-33. [http://dx.doi.org/10.1016/0304-3835\(87\)90099-1](http://dx.doi.org/10.1016/0304-3835(87)90099-1).
- Marzulli, FN; Anjo, DM; Maibach, HI. (1981). In vivo skin penetration studies of 2,4-toluenediamine, 2,4-diaminoanisole, 2-nitro-p-phenylenediamine, p-dioxane and N-nitrosodiethanolamine in cosmetics. *Food Cosmet Toxicol.* 19: 743-747. [http://dx.doi.org/10.1016/0015-6264\(81\)90530-7](http://dx.doi.org/10.1016/0015-6264(81)90530-7).
- Mattie, DR; Bucher, TW; Carter, AL; Stoffregen, DE; Reboulet, JE. (2012). Acute Inhalation Toxicity Study of 1, 4-Dioxane in Rats (*Rattus norvegicus*). 29.
- Mcfee, AF; Abbott, MG; Gulati, DK; Shelby, MD. (1994). Results of mouse bone marrow micronucleus studies on 1,4-dioxane. *Mutat Res.* 322: 145-148.
- Mcgregor, DB; Brown, AG; Howgate, S; McBride, D; Riach, C; Caspary, WJ. (1991). Responses of the L5178Y mouse lymphoma cell forward mutation assay. V: 27 coded chemicals. *Environ Mol Mutagen.* 17: 196-219. <http://dx.doi.org/10.1002/em.2850170309>.
- Mikheev, MI; Gorlinskaya Ye, P; Solovyova, TV. (1990). The body distribution and biological action of xenobiotics. *J Hyg Epidemiol Microbiol Immunol.* 34: 329-336.
- Mirkova, ET. (1994). Activity of the rodent carcinogen 1,4-dioxane in the mouse bone marrow micronucleus assay. *Mutat Res.* 322: 142-144.
- Miyagawa, M; Shirotori, T; Tsuchitani, M; Yoshikawa, K. (1999). Repeat-assessment of 1,4-dioxane in a rat-hepatocyte replicative DNA synthesis (RDS) test: Evidence for stimulus of hepatocyte proliferation. *Exp Toxicol Pathol.* 51: 555-558.
- Mnaa, S; Shaker, ES; Mahmoud, HI. (2016). INHIBITORY ACTIVITY OF PROTECTED EDIBLE PLANTS ON OXIDATIVE STRESS INDUCED BY ORAL 1,4-DIOXANE. *J Egypt Soc Parasitol.* 46: 135-143.
- Morita, T. (1994). No clastogenicity of 1,4 dioxane as examined in the mouse peripheral blood micronucleus test. *Mammalian Mutagenicity Study Group Communications.* 2: 7-8.
- Morita, T; Hayashi, M. (1998). 1,4-Dioxane is not mutagenic in five in vitro assays and mouse peripheral blood micronucleus assay, but is in mouse liver micronucleus assay. *Environ Mol Mutagen.* 32: 269-280. [http://dx.doi.org/10.1002/\(SICI\)1098-2280\(1998\)32:3<269::AID-EM10>3.0.CO;2-8](http://dx.doi.org/10.1002/(SICI)1098-2280(1998)32:3<269::AID-EM10>3.0.CO;2-8).
- Mungikar, AM; Pawar, SS. (1978). Induction of the hepatic microsomal mixed function oxidase system in mice by p-dioxane. *Bull Environ Contam Toxicol.* 20: 797-804. <http://dx.doi.org/10.1007/BF01683603>.
- Munoz, ER; Barnett, BM. (2002). The rodent carcinogens 1,4-dioxane and thiourea induce meiotic non-disjunction in *Drosophila melanogaster* females. *Mutat Res.* 517: 231-238. [http://dx.doi.org/10.1016/S1383-5718\(02\)00083-9](http://dx.doi.org/10.1016/S1383-5718(02)00083-9).

Human Health Hazard Literature Search Results

On Topic

- Nannelli, A; De Rubertis, A; Longo, V; Gervasi, PG. (2005). Effects of dioxane on cytochrome P450 enzymes in liver, kidney, lung and nasal mucosa of rat. *Arch Toxicol.* 79: 74-82. <http://dx.doi.org/10.1007/s00204-004-0590-z>.
- NCI. (1978). Bioassay of 1,4-dioxane for possible carcinogenicity. (78-1330 NCICGTR-80). Bethesda, MD. http://ntp.niehs.nih.gov/ntp/htdocs/LT_rpts/tr080.pdf.
- Nelson, N. (1951). Solvent toxicity with particular reference to certain octyl alcohols and dioxanes. *Med Bull.* 11: 226-238.
- Nestmann, ER; Otson, R; Kowbel, DJ; Bothwell, PD; Harrington, TR. (1984). Mutagenicity in a modified Salmonella assay of fabric-protecting products containing 1,1,1-trichloroethane. *Environ Mol Mutagen.* 6: 71-80. <http://dx.doi.org/10.1002/em.2860060109>.
- NTP. (2011). 1,4-dioxane (pp. 176-178). U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. <http://ntp.niehs.nih.gov/ntp/roc/twelfth/roc12.pdf>.
- Patil, PG; Kamble, SH; Shah, TS; Iyer, KR. (2015). Effect of water miscible organic solvents on p-nitrophenol hydroxylase (CYP2E1) activity in rat liver microsomes. *Indian J Pharmaceut Sci.* 77: 283-289.
- Piergentili, A; Quaglia, W; Del Bello, F; Giannella, M; Pignini, M; Barocelli, E; Bertoni, S; Matucci, R; Nesi, M; Bruni, B; Di Vaira, M. (2009). Properly substituted 1,4-dioxane nucleus favours the selective M3 muscarinic receptor activation. *Bioorg Med Chem.* 17: 8174-8185. <http://dx.doi.org/10.1016/j.bmc.2009.10.027>.
- Pozzani, UC; Weil, CS; Carpenter, CP. (1959). The toxicological basis of threshold limit values. 5: The experimental inhalation of vapor mixtures by rats, with notes upon the relationship between single dose inhalation and single dose oral data. *Am Ind Hyg Assoc J.* 20: 364-369. <http://dx.doi.org/10.1080/00028895909343733>.
- Reitz, RH; McCroskey, PS; Park, CN; Andersen, ME; Gargas, ML. (1990). Development of a physiologically based pharmacokinetic model for risk assessment with 1,4-dioxane. *Toxicol Appl Pharmacol.* 105: 37-54. [http://dx.doi.org/10.1016/0041-008X\(90\)90357-Z](http://dx.doi.org/10.1016/0041-008X(90)90357-Z).
- Rosenkranz, HS; Klopman, G. (1992). 1,4-dioxane: Prediction of in vivo clastogenicity. *Mutat Res.* 280: 245-251. [http://dx.doi.org/10.1016/0165-1218\(92\)90054-4](http://dx.doi.org/10.1016/0165-1218(92)90054-4).
- Roy, SK; Thilagar, AK; Eastmond, DA. (2005). Chromosome breakage is primarily responsible for the micronuclei induced by 1,4-dioxane in the bone marrow and liver of young CD-1 mice. *Mutat Res.* 586: 28-37. <http://dx.doi.org/10.1016/j.mrgentox.2005.05.007>.
- Schrenk, HH; Yant, WP. (1936). Toxicity of dioxan. *J Ind Hyg Toxicol.* 18: 448-460.
- Schrier, RW; Levi, M. (2010). Lipids and renal cystic disease. *Nephrol Dial Transplant.* 25: 3490-3492. <http://dx.doi.org/10.1093/ndt/gfq545>.
- Shah, TS; Kamble, SH; Patil, PG; Iyer, KR. (2015). Effect of Water-miscible Organic Solvents on CYP450-mediated Metoprolol and Imipramine Metabolism in Rat Liver Microsomes. *Indian J Pharmaceut Sci.* 77: 382-390.
- Sheu, CW; Moreland, FM; Lee, JK; Dunkel, VC. (1988). In vitro BALB/3T3 cell transformation assay of nonoxynol-9 and 1,4-dioxane. *Environ Mol Mutagen.* 11: 41-48. <http://dx.doi.org/10.1002/em.2850110106>.
- Silverman, L; Schulte, HF; First, MW. (1946). Further studies on sensory response to certain industrial solvent vapors. *J Ind Hyg Toxicol.* 28: 262-266.
- Sina, JF; Bean, CL; Dysart, GR; Taylor, VI; Bradley, MO. (1983). Evaluation of the alkaline elution/rat hepatocyte assay as a predictor of carcinogenic/mutagenic potential. *Mutat Res Environ Mutagen Relat Subj.* 113: 357-391. [http://dx.doi.org/10.1016/0165-1161\(83\)90228-5](http://dx.doi.org/10.1016/0165-1161(83)90228-5).
- Smyth, HF, Jr; Seaton, J; Fischer, L. (1941). The single dose toxicity of some glycols and derivatives. *J Ind Hyg Toxicol.* 23: 259-268.
- Son, HS; Im, JK; Zoh, KD. (2009). A Fenton-like degradation mechanism for 1,4-dioxane using zero-valent iron (Fe0) and UV light. *Water Res.* 43: 1457-1463. <http://dx.doi.org/10.1016/j.watres.2008.12.029>.
- Stickney, JA; Sager, SL; Clarkson, JR; Smith, LA; Locey, BJ; Bock, MJ; Hartung, R; Olp, SF. (2003). An updated evaluation of the carcinogenic potential of 1,4-dioxane. *Regul Toxicol Pharmacol.* 38: 183-195. [http://dx.doi.org/10.1016/S0273-2300\(03\)00090-4](http://dx.doi.org/10.1016/S0273-2300(03)00090-4).
- Stoner, GD; Conran, PB; Greisiger, EA; Stober, J; Morgan, M; Pereira, MA. (1986). Comparison of two routes of chemical administration on the lung adenoma response in strain A/J mice. *Toxicol Appl Pharmacol.* 82: 19-31. [http://dx.doi.org/10.1016/0041-008X\(86\)90433-3](http://dx.doi.org/10.1016/0041-008X(86)90433-3).
- Stott, WT; Quast, JF; Watanabe, PG. (1981). Differentiation of the mechanisms of oncogenicity of 1,4-dioxane and 1,3-hexachlorobutadiene in the rat. *Toxicol Appl Pharmacol.* 60: 287-300. [http://dx.doi.org/10.1016/0041-008X\(91\)90232-4](http://dx.doi.org/10.1016/0041-008X(91)90232-4).
- Sun, J; Cao, N; Zhang, XM; Yang, YS; Zhang, YB; Wang, XM; Zhu, HL. (2011). Oxadiazole derivatives containing 1,4-benzodioxan as potential immunosuppressive agents against RAW264.7 cells. *Bioorg Med Chem.* 19: 4895-4902. <http://dx.doi.org/10.1016/j.bmc.2011.06.061>.
- Sweeney, LM; Thrall, KD; Poet, TS; Corley, RA; Weber, TJ; Locey, BJ; Clarkson, J; Sager, S; Gargas, ML. (2008). Physiologically based pharmacokinetic modeling of 1,4-dioxane in rats, mice, and humans. *Toxicol Sci.* 101: 32-50. <http://dx.doi.org/10.1093/toxsci/kfm251>.
- Takano, R; Murayama, N; Horiuchi, K; Kitajima, M; Shono, F; Yamazaki, H. (2010). Blood concentrations of 1,4-dioxane in humans after oral administration extrapolated from in vivo rat pharmacokinetics, in vitro human metabolism, and physiologically based pharmacokinetic modeling. *J Health Sci.* 56: 557-565. <http://dx.doi.org/10.1248/jhs.56.557>.
- Take, M; Ohnishi, M; Yamamoto, S; Matsumoto, M; Nagano, K; Fukushima, S. (2012). Distribution of 1,4-dioxane by combined inhalation plus oral exposure routes in rats. *Int J Environ Anal Chem.* 92: 1715-1728. <http://dx.doi.org/10.1080/03067319.2011.581370>.
- Thiess, AM; Tress, E; Fleig, I. (1976). [Industrial-medical investigation results in the case of workers exposed to dioxane]. *Arbeitsmedizin, Sozialmedizin, Praeventivmedizin.* 11: 35-46.
- Thurman, GB; Simms, BG; Goldstein, AL; Kilian, DJ. (1978). The effects of organic compounds used in the manufacture of plastics on the responsivity of murine and human lymphocytes. *Toxicol Appl Pharmacol.* 44: 617-641. [http://dx.doi.org/10.1016/0041-008X\(78\)90269-7](http://dx.doi.org/10.1016/0041-008X(78)90269-7).
- Tinwell, H; Ashby, J. (1994). Activity of 1,4-dioxane in mouse bone marrow micronucleus assays. *Mutat Res.* 322: 148-150.
- Torkelson, TR; Leong, BKJ; Kociba, RJ; Richter, WA; Gehring, PJ. (1974). 1,4-Dioxane. II. Results of a 2-year inhalation study in rats. *Toxicol Appl Pharmacol.* 30: 287-298. [http://dx.doi.org/10.1016/0041-008X\(74\)90100-8](http://dx.doi.org/10.1016/0041-008X(74)90100-8).

Human Health Hazard Literature Search Results

On Topic

- Clean Air Act, as amended by Pub. L. No. 101-549, section 604: Phase-out of production and consumption of class I substances. 42 USC. (1990).
- U.S. APHC. (2010). Studies on metabolism of 1,4-dioxane. (Toxicology Report No. 87-XE-08WR-09). Aberdeen Proving Ground, MD: U.S. Army Environmental Command.
- U.S. EPA. (2009). Toxicological review of 1,4-dioxane (CAS No. 123-91-1) in support of summary information on the Integrated Risk Information System (IRIS) [External Review Draft] [EPA Report] (pp. 1-276). (EPA/635/R-09/005). Washington, DC. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=199330>.
- U.S. EPA. (2010). Toxicological review of 1,4-Dioxane (CAS No. 123-91-1) in support of summary information on the Integrated Risk Information System (IRIS) [EPA Report]. (EPA-635/R-09-005-F). Washington, DC. <http://www.epa.gov/iris/toxreviews/0326tr.pdf>.
- U.S. EPA. (2013). 1,4-Dioxane PBPK model code in support of IRIS assessment.
- U.S. EPA. (2013). Toxicological review of 1,4-Dioxane (with inhalation update) (CAS No. 123-91-1) in support of summary information on the Integrated Risk Information System (IRIS) [EPA Report]. (EPA-635/R-11/003-F). Washington, DC.
- Uno, Y; Takasawa, H; Miyagawa, M; Inoue, Y; Murata, T; Yoshikawa, K. (1994). An in vivo-in vitro replicative DNA synthesis (RDS) test using rat hepatocytes as an early prediction assay for nongenotoxic hepatocarcinogens screening of 22 known positives and 25 noncarcinogens. *Mutat Res.* 320: 189-205. [http://dx.doi.org/10.1016/0165-1218\(94\)90046-9](http://dx.doi.org/10.1016/0165-1218(94)90046-9).
- Utech, T; Köhler, J; Wünsch, B. (2011). Synthesis of 4-(aminoalkyl) substituted 1,3-dioxanes as potent NMDA and σ receptor antagonists. *Eur J Med Chem.* 46: 2157-2169. <http://dx.doi.org/10.1016/j.ejmech.2011.02.070>.
- Valcke, M; Krishnan, K. (2011). Assessing the impact of the duration and intensity of inhalation exposure on the magnitude of the variability of internal dose metrics in children and adults. *Inhal Toxicol.* 23: 863-877. <http://dx.doi.org/10.3109/08958378.2011.609918>.
- van Delft, JH; van Agen, E; van Breda, SG; Herwijnen, MH; Staal, YC; Kleinjans, JC. (2004). Discrimination of genotoxic from non-genotoxic carcinogens by gene expression profiling. *Carcinogenesis.* 25: 1265-1276. <http://dx.doi.org/10.1093/carcin/bgh108>.
- WHO. (2005). 1,4-Dioxane in drinking water. (WHO/SDE/WSH/05.08/120). Geneva, Switzerland.
- Wilbur, S; Jones, D; Risher, JF; Crawford, J; Tencza, B; Llados, F; Diamond, GL; Citra, M; Osier, MR; Lockwood, LO. (2012). Toxicological Profile for 1,4-Dioxane. In Agency for Toxic Substances and Disease Registry (ATSDR) Toxicological Profiles. Atlanta (GA): Agency for Toxic Substances and Disease Registry (US).
- Wirth, W; Klimmer, O. (1936). [On the toxicology of organic solvents. 1,4 dioxane (diethylene dioxide)]. *Archiv fuer Gewerbepathologie und Gewerbehygiene.* 17: 192-206.
- Woo, YT; Arcos, JC; Argus, MF; Griffin, GW; K, N. (1977). Structural identification of p-dioxane-2-one as the major urinary metabolite of p-dioxane. *Naunyn Schmiedebergs Arch Pharmacol.* 299: 283-287. <http://dx.doi.org/10.1007/BF00500322>.
- Woo, YT; Argus, MF; Arcos, JC. (1977). Metabolism in vivo of dioxane: Effect of inducers and inhibitors of hepatic mixed-function oxidases. *Biochem Pharmacol.* 26: 1539-1542. [http://dx.doi.org/10.1016/0006-2952\(77\)90431-2](http://dx.doi.org/10.1016/0006-2952(77)90431-2).
- Woo, YT; Argus, MF; Arcos, JC. (1977). Tissue and subcellular distribution of 3H-dioxane in the rat and apparent lack of microsome-catalyzed covalent binding in the target tissue. *Life Sci.* 21: 1447-1456. [http://dx.doi.org/10.1016/0024-3205\(77\)90199-0](http://dx.doi.org/10.1016/0024-3205(77)90199-0).
- Woo, YT; Argus, MF; Arcos, JC. (1978). Effect of mixed-function oxidase modifiers on metabolism and toxicity of the oncogen dioxane. *Cancer Res.* 38: 1621-1625.
- Yamamoto, S; Ohsawa, M; Nishizawa, T; Saito, A; Kasai, T; Noguchi, T; Nagano, K; Matsushima, T. (2000). Long-term toxicology study of 1,4-dioxane in the F344 rats by multiple-route exposure (drinking water and inhalation) [Abstract]. *J Toxicol Sci.* 25: 347.
- Yamamoto, S; Urano, K; Koizumi, H; Wakana, S; Hioki, K; Mitsumori, K; Kurokawa, Y; Hayashi, Y; T, N. (1998). Validation of transgenic mice carrying the human prototype c-Ha-ras gene as a bioassay model for rapid carcinogenicity testing. *Environ Health Perspect.* 106: 57-69.
- Yamamoto, S; Urano, K; Nomura, T. (1998). Validation of transgenic mice harboring the human prototype c-Ha-ras gene as a bioassay model for rapid carcinogenicity testing [Review]. *Toxicol Lett.* 102-103: 473-478. [http://dx.doi.org/10.1016/S0378-4274\(98\)00341-5](http://dx.doi.org/10.1016/S0378-4274(98)00341-5).
- Yamazaki, K. (2006). Correspondence between Kazunori Yamazaki and Julie Stickney [Personal Communication].
- Yamazaki, K; Ohno, H; Asakura, M; Narumi, A; Ohbayashi, H; Fujita, H; Ohnishi, M; Katagiri, T; Senoh, H; Yamanouchi, K; Nakayama, E; Yamamoto, S; Noguchi, T; Nagano, K; Enomoto, M; Sakabe, H. (1994). Two-year toxicological and carcinogenesis studies of 1,4-dioxane in F344 rats and BDF1 mice. In K Sumino; S Sato; NG Shinkokai (Eds.), (pp. 193-198). Kobe, Japan: Kobe University School of Medicine, International Center for Medical Research.
- Yang, X; Jasper, AW; Giri, BR; Kiefer, JH; Tranter, RS. (2011). A shock tube and theoretical study on the pyrolysis of 1,4-dioxane. *Phys Chem Chem Phys.* 13: 3686-3700. <http://dx.doi.org/10.1039/c0cp01541e>.
- Yant, WP; Schrenk, HH; Waite, CP; Patty, FA. (1930). Acute response of guinea pigs to vapors of some new commercial organic compounds: VI. Dioxan. *Public Health Rep.* 45: 2023-2032.
- Yoon, JS; Mason, JM; Valencia, R; Woodruff, RC; Zimmering, S. (1985). Chemical mutagenesis testing in Drosophila. IV. Results of 45 coded compounds tested for the National Toxicology Program. *Environ Mutagen.* 7: 349-367. <http://dx.doi.org/10.1002/em.2860070310>.
- Young, JD; Braun, WH; Gehring, PJ. (1978). The dose-dependent fate of 1,4-dioxane in rats. *J Environ Pathol Toxicol.* 2: 263-282.
- Young, JD; Braun, WH; Gehring, PJ. (1978). Dose-dependent fate of 1,4-dioxane in rats(b). *J Toxicol Environ Health A.* 4: 709-726. <http://dx.doi.org/10.1080/15287397809529693>.
- Young, JD; Braun, WH; Gehring, PJ; Horvath, BS; Daniel, RL. (1976). 1,4-Dioxane and beta-hydroxyethoxyacetic acid excretion in urine of humans exposed to dioxane vapors. *Toxicol Appl Pharmacol.* 38: 643-646. [http://dx.doi.org/10.1016/0041-008X\(76\)90195-2](http://dx.doi.org/10.1016/0041-008X(76)90195-2).
- Young, JD; Braun, WH; Rampy, LW; Chenoweth, MB; Blau, GE. (1977). Pharmacokinetics of 1,4-dioxane in humans. *J Toxicol Environ Health.* 3: 507-520. <http://dx.doi.org/10.1080/15287397709529583>.
- Ziatdinova, NI; Zefirov, AL; Zefirov, TL. (2011). Opposite changes in cardiac chronotropy induced by selective blockade of $\alpha(1A)$ -adrenoceptors in rats of different age. *Bull Exp Biol Med.* 152: 19-21.

Human Health Hazard Literature Search Results

On Topic

Zimmermann, FK; Mayer, VW; Scheel, I; Resnick, MA. (1985). Acetone, methyl ethyl ketone, ethyl acetate, acetonitrile and other polar aprotic solvents are strong inducers of aneuploidy in *Saccharomyces cerevisiae*. *Mutat Res.* 149: 339-351. [http://dx.doi.org/10.1016/0027-5107\(85\)90150-2](http://dx.doi.org/10.1016/0027-5107(85)90150-2).

Human Health Hazard Literature Search Results

Off Topic

- Aanning, HL; Van Osdol, A; Allamargot, C; Becker, BE; Howard, TC; Likness, ML; Merkwon, CE; Tarver, DD. (2012). Running sutures anchored with square knots are unreliable. *Am J Surg.* 204: 384-388. <http://dx.doi.org/10.1016/j.amjsurg.2011.09.029>.
- Abbotto, A; Beverina, L; Manfredi, N; Pagani, GA; Archetti, G; Kuball, HG; Wittenburg, C; Heck, J; Holtmann, J. (2009). Second-order nonlinear optical activity of dipolar chromophores based on pyrrole-hydrazono donor moieties. *Chemistry.* 15: 6175-6185. <http://dx.doi.org/10.1002/chem.200900287>.
- Abdulla, MM; Amr, A; Al-Omar, MA; Hussain, AA; Shalaby, AFA. (2014). Synthesis and pharmacological activities of some novel 5-chloro-N-(4-(1,5-(disubstituted)-4,5-dihydro-1H-pyrazol-3-yl)phenyl)-2-methoxybenzamide derivatives. *Medicinal Chemistry Research.* 23: 2113-2121. <http://dx.doi.org/10.1007/s00044-013-0807-x>.
- Abonia, R; Insuasty, D; Castillo, J; Insuasty, B; Quiroga, J; Noguera, M; Cobo, J. (2012). Synthesis of novel quinoline-2-one based chalcones of potential anti-tumor activity. *Eur J Med Chem.* 57: 29-40. <http://dx.doi.org/10.1016/j.ejmech.2012.08.039>.
- Abou-Zied, OK; Al-Busaidi, BY; Husband, J. (2014). Solvent Effect on Anthranilic Acid Spectroscopy. *J Phys Chem A.* 118: 103-109. <http://dx.doi.org/10.1021/jp4087317>.
- Abou-Zied, OK; Al-Shihi, OI. (2009). Caging and solvent effects on the tautomeric equilibrium of 3-pyridone/3-hydroxypyridine in the ground state: a study in cyclodextrins and binary solvents. *Phys Chem Chem Phys.* 11: 5377-5383. <http://dx.doi.org/10.1039/b823405a>.
- Abou-Zied, OK; Husband, J; Al-Lawatia, N; Steinbrecher, TB. (2014). Ground state spectroscopy of hydroxyquinolines: evidence for the formation of protonated species in water-rich dioxane-water mixtures. *Phys Chem Chem Phys.* 16: 61-70. <http://dx.doi.org/10.1039/c3cp52811a>.
- Abrahams, BF; Dharma, AD; Grannas, MJ; Hudson, TA; Maynard-Casely, HE; Oliver, GR; Robson, R; White, KF. (2014). Isomeric ionic lithium isonicotinate three-dimensional networks and single-crystal-to-single-crystal rearrangements generating microporous materials. *Inorg Chem.* 53: 4956-4969. <http://dx.doi.org/10.1021/ic403134c>.
- Abu El-Reash, GM; El-Gammal, OA; El-Gamil, MM. (2013). Structural, spectral, DFT, pH-metric and biological studies on Cr(III), Mn(II) and Fe(III) complexes of dithione heterocyclic thiosemicarbazide ligand. *Spectrochim Acta A Mol Biomol Spectrosc.* 104: 383-393. <http://dx.doi.org/10.1016/j.saa.2012.11.070>.
- Achrem-Achremowicz, J; Kepczyńska, E; Zylewski, M; Janeczko, Z. (2010). Synthesis of betulin derivatives and the determination of their relative lipophilicities using reversed-phase thin-layer chromatography. *Biomed Chromatogr.* 24: 261-267. <http://dx.doi.org/10.1002/bmc.1282>.
- Adamakis, I; Tyritzis, SI; Stravodimos, KG; Migdalis, V; Mitropoulos, D; Constantinides, CA. (2011). A novel approach for the surgical management of Peyronie's disease using an acellular, human dermis tissue graft: preliminary results. *World Journal of Urology.* 29: 399-403. <http://dx.doi.org/10.1007/s00345-010-0598-3>.
- Adams, TE; El Sous, M; Hawkins, BC; Hirner, S; Holloway, G; Khoo, ML; Owen, DJ; Savage, GP; Scammells, PJ; Rizzacasa, MA. (2009). Total synthesis of the potent anticancer Aglaia metabolites (-)-silvestrol and (-)-episilvestrol and the active analogue (-)-4'-desmethoxyepisilvestrol. *J Am Chem Soc.* 131: 1607-1616. <http://dx.doi.org/10.1021/ja808402e>.
- Adamson, DT; Anderson, RH; Mahendra, S; Newell, CJ. (2015). Evidence of 1,4-dioxane attenuation at groundwater sites contaminated with chlorinated solvents and 1,4-dioxane. *Environ Sci Technol.* 49: 6510-6518. <http://dx.doi.org/10.1021/acs.est.5b00964>.
- Adamson, DT; de Blanc, PC; Farhat, SK; Newell, CJ. (2016). Implications of matrix diffusion on 1,4-dioxane persistence at contaminated groundwater sites. *Sci Total Environ.* 562: 98-107. <http://dx.doi.org/10.1016/j.scitotenv.2016.03.211>.
- Adelakun, OE; Kudanga, T; Parker, A; Green, IR; le Roes-Hill, M; Burton, SG. (2012). Laccase-catalyzed dimerization of ferulic acid amplifies antioxidant activity. *Journal of Molecular Catalysis B: Enzymatic.* 74: 29-35. <http://dx.doi.org/10.1016/j.molcatb.2011.08.010>.
- Adesina, SK; Wight, SA; Akala, EO. (2014). Optimization of the fabrication of novel stealth PLA-based nanoparticles by dispersion polymerization using D-optimal mixture design. *Drug Dev Ind Pharm.* 40: 1547-1556. <http://dx.doi.org/10.3109/03639045.2013.838578>.
- Aerts, JM; Boot, RG; van Eijk, M; Groener, J; Bijl, N; Lombardo, E; Biatrix, FM; Dekker, N; Groen, AK; Ottenhoff, R; van Roomen, C; Aten, J; Serlie, M; Langeveld, M; Wennekes, T; Overkleeft, HS. (2011). Glycosphingolipids and insulin resistance [Review]. *Adv Exp Med Biol.* 721: 99-119. http://dx.doi.org/10.1007/978-1-4614-0650-1_7.
- Aggarwal, M; Dhindwal, S; Pratap, S; Kuhn, RJ; Kumar, P; Tomar, S. (2011). Crystallization, high-resolution data collection and preliminary crystallographic analysis of Aura virus capsid protease and its complex with dioxane. *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 67: 1394-1398. <http://dx.doi.org/10.1107/S174430911103404X>.
- Aggarwal, M; Tapas, S; Preeti, S; Siwach, A; Kumar, P; Kuhn, RJ; Tomar, S. (2012). Crystal structure of aura virus capsid protease and its complex with dioxane: new insights into capsid-glycoprotein molecular contacts. *PLoS ONE.* 7: e51288. <http://dx.doi.org/10.1371/journal.pone.0051288>.

Human Health Hazard Literature Search Results

Off Topic

- Ago, Y; Araki, R; Tanaka, T; Sasaga, A; Nishiyama, S; Takuma, K; Matsuda, T. (2013). Role of social encounter-induced activation of prefrontal serotonergic systems in the abnormal behaviors of isolation-reared mice. *Neuropsychopharmacology*. 38: 1535-1547. <http://dx.doi.org/10.1038/npp.2013.52>.
- Agudelo-Morales, CE; Silva, OF; Galian, RE; Pérez-Prieto, J. (2012). Nitroanilines as quenchers of pyrene fluorescence. *Chemphyschem*. 13: 4195-4201. <http://dx.doi.org/10.1002/cphc.201200637>.
- Aguié-Béghin, V; Foulon, L; Soto, P; Crônier, D; Corti, E; Legée, F; Cézard, L; Chabbert, B; Maillard, MN; Huijgen, WJ; Baumberger, S. (2015). Use of food and packaging model matrices to investigate the antioxidant properties of biorefinery grass lignins. *J Agric Food Chem*. 63: 10022-10031. <http://dx.doi.org/10.1021/acs.jafc.5b03686>.
- Ahmed, B; Habibullah, B; Khan, S. (2011). Synthesis and antihepatotoxic activity of 2-(substituted-phenyl)-5-(2,3-dihydro-1,4-benzodioxane-2-yl)-1,3,4-oxadiazole derivatives. *J Enzyme Inhib Med Chem*. 26: 216-221. <http://dx.doi.org/10.3109/14756366.2010.489899>.
- Ajellal, N; Carpentier, JF; Guillaume, C; Guillaume, SM; Helou, M; Poirier, V; Sarazin, Y; Trifonov, A. (2010). Metal-catalyzed immortal ring-opening polymerization of lactones, lactides and cyclic carbonates. *Dalton Transactions (Online)*. 39: 8363-8376. <http://dx.doi.org/10.1039/c001226b>.
- Akbarzadeh, A; Samiei, M; Joo, SW; Anzaby, M; Hanifehpour, Y; Nasrabadi, HT; Davaran, S. (2012). Synthesis, characterization and in vitro studies of doxorubicin-loaded magnetic nanoparticles grafted to smart copolymers on A549 lung cancer cell line. *Journal of Nanobiotechnology*. 10: 46. <http://dx.doi.org/10.1186/1477-3155-10-46>.
- Akbarzadeh, R; Minton, JA; Janney, CS; Smith, TA; James, PF; Yousefi, AM. (2015). Hierarchical polymeric scaffolds support the growth of MC3T3-E1 cells. *J Mater Sci Mater Med*. 26: 116. <http://dx.doi.org/10.1007/s10856-015-5453-z>.
- Akkouch, A; Zhang, Z; Rouabhia, M. (2011). A novel collagen/hydroxyapatite/poly(lactide-co-ε-caprolactone) biodegradable and bioactive 3D porous scaffold for bone regeneration. *J Biomed Mater Res A*. 96: 693-704. <http://dx.doi.org/10.1002/jbm.a.33033>.
- Al Alousi, AS, h; Shehata, MR; Shoukry, MM; Mohamed, NM. (2009). Interaction of dimethyltin(IV) and trimethyltin(IV) with dehydroacetic acid. *Chem Speciation Bioavailability*. 21: 1-6. <http://dx.doi.org/10.3184/095422909X416216>.
- Ali, I; Al-Othman, ZA; Aboul-Enein, HY. (2013). Chiral separations by HPLC on immobilized polysaccharide chiral stationary phases. *Methods Mol Biol*. 970: 127-135. http://dx.doi.org/10.1007/978-1-62703-263-6_7.
- Alkhamis, KA; Salem, MS; Khanfar, MS. (2009). Determination of the mechanism of uptake of organic vapors by chitoasn. *Pharm Dev Technol*. 14: 90-95. <http://dx.doi.org/10.1080/10837450802409453>.
- Al-Lawatia, N; Husband, J; Steinbrecher, T; Abou-Zied, OK. (2011). Tautomerism in 7-Hydroxyquinoline: A Combined Experimental and Theoretical Study in Water. *J Phys Chem A*. 115: 4195-4201. <http://dx.doi.org/10.1021/jp201649z>.
- Almajan, GL; Barbuceanu, SF; Bancescu, G; Saramet, I; Saramet, G; Draghici, C. (2010). Synthesis and antimicrobial evaluation of some fused heterocyclic [1,2,4]triazolo[3,4-b][1,3,4]thiadiazole derivatives. *Eur J Med Chem*. 45: 6139-6146. <http://dx.doi.org/10.1016/j.ejmech.2010.10.007>.
- Al-Othman, ZA; Ali, I; Asim, M; Khan, TA. (2012). Recent trends in chiral separations on immobilized polysaccharides CSPs [Review]. *Comb Chem High Throughput Screen*. 15: 339-346.
- Al-Soliemy, AM; Osman, OI; Hussein, MA; Asiri, AM; El-Daly, SA. (2016). Fluorescence, Photophysical Behaviour and DFT Investigation of E,E-2,5-bis[2-(3-pyridyl)ethenyl]pyrazine (BPEP). *J Fluoresc*. 26: 1199-1209. <http://dx.doi.org/10.1007/s10895-016-1802-7>.
- Alvarez, WA; Scharf, VF; Case, JB. (2015). Comparison of Laparoscopic and Open Cystopexy in a Cadaveric Canine Model. *44 Suppl 1: 44-49*. <http://dx.doi.org/10.1111/j.1532-950X.2014.12284.x>.
- Alvarez-Cohen, L. (2011). Project 4: Meta-Omics of Microbial Communities Involved in Bioremediation.
- Alvarez-Corena, JR; Bergendahl, JA; Hart, FL. (2016). Advanced oxidation of five contaminants in water by UV/TiO₂: Reaction kinetics and byproducts identification. *J Environ Manage*. 181: 544-551. <http://dx.doi.org/10.1016/j.jenvman.2016.07.015>.
- Alves, FH; Crestani, CC; Resstel, LB; Correa, FM. (2009). Insular cortex alpha1-adrenoceptors modulate the parasympathetic component of the baroreflex in unanesthetized rats. *Brain Res*. 1295: 119-126. <http://dx.doi.org/10.1016/j.brainres.2009.08.013>.
- Alves, FH; Crestani, CC; Resstel, LB; Corrêa, FM. (2014). Both α1- and α2-adrenoceptors in the insular cortex are involved in the cardiovascular responses to acute restraint stress in rats. *PLoS ONE*. 9: e83900. <http://dx.doi.org/10.1371/journal.pone.0083900>.
- Alves, FH; Resstel, LB; Correa, FM; Crestani, CC. (2011). Bed nucleus of the stria terminalis α1- and α2-adrenoceptors differentially modulate the cardiovascular responses to exercise in rats. *Neuroscience*. 177: 74-83. <http://dx.doi.org/10.1016/j.neuroscience.2011.01.003>.
- Amer, H; Nypelö, T; Sulaeva, I; Bacher, M; Henniges, U; Potthast, A; Rosenau, T. (2016). Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). *Biomacromolecules*. 17: 2972-2980. <http://dx.doi.org/10.1021/acs.biomac.6b00777>.
- Aminlashgari, N; Höglund, OV; Borg, N; Hakkarainen, M. (2013). Degradation profile and preliminary clinical testing of a resorbable device for ligation of blood vessels. *Acta Biomater*. 9: 6898-6904. <http://dx.doi.org/10.1016/j.actbio.2013.02.018>.
- Amsden, BG; Timbart, L; Marecak, D; Chapanian, R; Tse, MY; Pang, SC. (2010). VEGF-induced angiogenesis following localized delivery via injectable, low viscosity poly(trimethylene carbonate). *J Control Release*. 145: 109-115. <http://dx.doi.org/10.1016/j.jconrel.2010.03.029>.
- An, Y; Xia, H; Wu, J. (2016). A palladium-catalyzed coupling reaction of aryl nonaflates, sulfur dioxide, and hydrazines. *Org Biomol Chem*. 14: 1665-1669. <http://dx.doi.org/10.1039/c5ob02514a>.
- An, YJ; Kwak, J; Nam, SH; Jung, MS. (2014). Development and implementation of surface water quality standards for protection of human health in Korea. *Environ Sci Pollut Res Int*. 21: 77-85. <http://dx.doi.org/10.1007/s11356-013-1626-9>.
- Ando, R; Makino, Y; Tamura, T; Yamamoto, N; Nishigaki, R; Kimura, T; Yokote, N; Yamamoto, H. (2010). Simple and sensitive HPLC method for determination of amrubicin and amrubicinol in human plasma: application to a clinical pharmacokinetic study. *Biomed Chromatogr*. 24: 301-306. <http://dx.doi.org/10.1002/bmc.1289>.

Human Health Hazard Literature Search Results

Off Topic

- Andreeßen, B; Steinbüchel, A. (2011). Serinol: small molecule - big impact. 1: 12. <http://dx.doi.org/10.1186/2191-0855-1-12>.
- Anita, K; Rajmuhon Singh, N. (2011). Absorption spectral analysis of 4f-4f transitions for the complexation of Pr(III) and Nd(III) with thiosemicarbazide in absence and presence of Zn(II) in aqueous and organic solvents. *Spectrochim Acta A Mol Biomol Spectrosc.* 81: 117-121. <http://dx.doi.org/10.1016/j.saa.2011.05.065>.
- Anon. (2009). How safe are children's toiletries? *Child Health Alert.* 27: 3-4.
- Anon. (2009). Is baby shampoo safe? *Nurse Educ.* 34: 191. <http://dx.doi.org/10.1097/01.NNE.0000334821.04544.e9>.
- Anon. (2014). Remediation of Contaminated Groundwater by Persulfate. Anon.
- Antoniou, MG; Andersen, HR. (2015). Comparison of UVC/S2O8²⁻ with UVC/H2O2 in terms of efficiency and cost for the removal of micropollutants from groundwater. *Chemosphere.* 119: S81-S88. <http://dx.doi.org/10.1016/j.chemosphere.2014.03.029>.
- Anwer, M, dK. (2015). Dissolution Thermodynamics and Solubility of Atenolol in Seven Different Solvents Useful in Dosage Form Design. *Lat Am J Pharm.* 34: 1571-1575.
- Arbaugh, M; Case, JB; Monnet, E. (2013). Biomechanical comparison of glycomer 631 and glycomer 631 knotless for use in canine incisional gastropexy. 42: 205-209. <http://dx.doi.org/10.1111/j.1532-950X.2012.01051.x>.
- Ardelt, A. (2012). From bench-to bedside in catastrophic cerebrovascular disease: development of drugs targeting the endothelin axis in subarachnoid hemorrhage-related vasospasm [Review]. *Neurol Res.* 34: 195-210. <http://dx.doi.org/10.1179/1743132811Y.0000000081>.
- Ardeshiryajimi, A; Mossahebi-Mohammadi, M; Vakilian, S; Langroudi, L; Seyedjafari, E; Atashi, A; Soleimani, M. (2015). Comparison of osteogenic differentiation potential of human adult stem cells loaded on bioceramic-coated electrospun poly (L-lactide) nanofibres. *Cell Prolif.* 48: 47-58. <http://dx.doi.org/10.1111/cpr.12156>.
- Arnold, PL; Casely, IJ; Turner, ZR; Bellabarba, R; Tooze, RB. (2009). Magnesium and zinc complexes of functionalised, saturated N-heterocyclic carbene ligands: carbene lability and functionalisation, and lactide polymerisation catalysis. *Dalton Transactions (Online)*7236-7247. <http://dx.doi.org/10.1039/b907034f>.
- Aromdee, C; Suebsasana, S; Ekalaksananan, T; Pientong, C; Thongchai, S. (2011). Stage of action of naturally occurring andrographolides and their semisynthetic analogues against herpes simplex virus type 1 in vitro. *Planta Med.* 77: 915-921. <http://dx.doi.org/10.1055/s-0030-1250659>.
- Arponen, E; Helin, S; Marjamäki, P; Grönroos, T; Holm, P; Löytyniemi, E; Någren, K; Scheinin, M; Haaparanta-Solin, M; Sallinen, J; Solin, O. (2014). A PET Tracer for Brain α 2C Adrenoceptors, (11)C-ORM-13070: Radiosynthesis and Preclinical Evaluation in Rats and Knockout Mice. *J Nucl Med.* 55: 1171-1177. <http://dx.doi.org/10.2967/jnumed.113.135574>.
- Arrua, RD; Haddad, PR; Hilder, EF. (2013). Monolithic cryopolymers with embedded nanoparticles. II. Capillary liquid chromatography of proteins using charged embedded nanoparticles. *J Chromatogr A.* 1311: 121-126. <http://dx.doi.org/10.1016/j.chroma.2013.08.077>.
- Arslan, M; Tuncel, A; Aslan, Y; Kozacioglu, Z; Gunlusoy, B; Atan, A. (2014). Comparison of the urethrovesical anastomoses with polyglecaprone (Monocryl®) and bidirectional barbed (V-Loc 180®) running sutures in laparoscopic radical prostatectomy. *Arch Ital Urol Androl.* 86: 90-94. <http://dx.doi.org/10.4081/aiua.2014.2.90>.
- Arthur, JR; Wilson, MW; Larsen, SD; Rockwell, HE; Shayman, JA; Seyfried, TN. (2013). Ethylenedioxy-PIP2 oxalate reduces ganglioside storage in juvenile Sandhoff disease mice. *Neurochem Res.* 38: 866-875. <http://dx.doi.org/10.1007/s11064-013-0992-5>.
- Arulazhagan, P; Sivaraman, C; Kumar, SA; Aslam, M; Banu, JR. (2014). Co-metabolic degradation of benzo(e)pyrene by halophilic bacterial consortium at different saline conditions. *J Environ Biol.* 35: 445-452.
- Asefa, A; Singh, AK. (2009). A fluorescence study of novel styrylindoles in homogenous and microheterogeneous media. *J Fluoresc.* 19: 921-930. <http://dx.doi.org/10.1007/s10895-009-0525-4>.
- Asiri, AM; Alamry, KA; Pannipara, M; Al-Sehemi, AG; El-Daly, SA. (2015). Spectroscopic investigation, photophysical parameters and DFT calculations of 4,4'-(1E,1'E)-2,2'-(pyrazine-2,5-diyl)bis(ethene-2,1-diyl)bis(N,N-dimethylaniline) (PENDA) in different solvents. *Spectrochim Acta A Mol Biomol Spectrosc.* 149: 722-730. <http://dx.doi.org/10.1016/j.saa.2015.05.018>.
- Asiri, AM; El-Daly, SA; Khan, SA. (2012). Spectral characteristics of 4-(p-N,N-dimethyl-aminophenylmethylene)-2-phenyl-5-oxazolone (DPO) in different media. *Spectrochim Acta A Mol Biomol Spectrosc.* 95: 679-684. <http://dx.doi.org/10.1016/j.saa.2012.04.077>.
- Assié, MB; Mnie-Filali, O; Ravailhe, V; Benas, C; Marien, M; Bétry, C; Zimmer, L; Haddjeri, N; Newman-Tancredi, A. (2009). F15063, a potential antipsychotic with dopamine D2/D3 receptor antagonist, 5-HT1A receptor agonist and dopamine D4 receptor partial agonist properties: influence on neuronal firing and neurotransmitter release. *Eur J Pharmacol.* 607: 74-83.
- Atkinson, R. (1989). Kinetics and mechanisms of the gas-phase reactions of the hydroxyl radical with organic compounds. *J Phys Chem Ref Data.* 1: 1-246.
- Atsbeha, T; Mohammed, AM; Redi-Abshiro, M. (2010). Excitation wavelength dependence of dual fluorescence of DMABN in polar solvents. *J Fluoresc.* 20: 1241-1248. <http://dx.doi.org/10.1007/s10895-010-0675-4>.
- ATSDR. (2005). Health consultation. 1,4-Dioxane in private drinking water near Naval Air Station Whidbey Island, Ault Field. <http://www.docstoc.com/docs/27599091/Health-Consultation>.
- Atwood, C; Maxwell, M; Butler, R; Wills, R. (2015). Effects of incision closure method on infection prevalence following tibial plateau leveling osteotomy in dogs. *Can Vet J.* 56: 375-381.
- Auclair, AL; Kleven, MS; Barret-Grévoz, C; Barreto, M; Newman-Tancredi, A; Depoortère, R. (2009). Differences among conventional, atypical and novel putative D(2)/5-HT(1A) antipsychotics on catalepsy-associated behaviour in cynomolgus monkeys. *Behav Brain Res.* 203: 288-295. <http://dx.doi.org/10.1016/j.bbr.2009.05.015>.

Human Health Hazard Literature Search Results

Off Topic

- Azor, L; Bailly, C; Brelot, L; Henry, M; Mobian, P; Dagonne, S. (2012). Stereoselective synthesis of biphenolate/binaphtholate titanate and zirconate alkoxide species: structural characterization and use in the controlled ROP of lactide. *Inorg Chem.* 51: 10876-10883. <http://dx.doi.org/10.1021/ic301352t>.
- Bagnoli, L; Cacchi, S; Fabrizi, G; Goggiamani, A; Scarponi, C; Tiecco, M. (2010). Diastereoselective Synthesis of Hexahydro-3H-pyrrolyzin-3-ones through Pd-Catalyzed Carboamination. *J Org Chem.* 75: 2134-2137. <http://dx.doi.org/10.1021/jo1002032>.
- Bahrami, Y; Franco, CM. (2015). Structure elucidation of new acetylated saponins, Lessoniosides A, B, C, D, and E, and non-acetylated saponins, Lessoniosides F and G, from the viscera of the sea cucumber *Holothuria lessoni*. *Mar Drugs.* 13: 597-617. <http://dx.doi.org/10.3390/md13010597>.
- Bai, W; Chen, D; Zhang, Z; Li, Q; Zhang, D; Xiong, C. (2009). Poly(para-dioxanone)/inorganic particle composites as a novel biomaterial. *J Biomed Mater Res B Appl Biomater.* 90: 945-951. <http://dx.doi.org/10.1002/jbm.b.31367>.
- Baker, KC; Bellair, R; Manitiu, M; Herkowitz, HN; Kannan, RM. (2009). Structure and mechanical properties of supercritical carbon dioxide processed porous resorbable polymer constructs. *Journal of the Mechanical Behavior of Biomedical Materials.* 2: 620-626. <http://dx.doi.org/10.1016/j.jmbbm.2008.11.006>.
- Bakshi, MS. (2014). Colloidal micelles of block copolymers as nanoreactors, templates for gold nanoparticles, and vehicles for biomedical applications [Review]. *Adv Colloid Interface Sci.* 213: 1-20. <http://dx.doi.org/10.1016/j.cis.2014.08.001>.
- Balasanthiran, V; Beilke, TL; Chisholm, MH. (2013). Use of over the counter oral relief aids or dietary supplements for the ring-opening polymerization of lactide. *Dalton Transactions (Online).* 42: 9274-9278. <http://dx.doi.org/10.1039/c2dt31559a>.
- Balasanthiran, V; Chatterjee, C; Chisholm, MH; Harrold, ND; Rajanbabu, TV; Warren, GA. (2015). Coupling of propylene oxide and lactide at a porphyrin chromium(III) center. *J Am Chem Soc.* 137: 1786-1789. <http://dx.doi.org/10.1021/ja512554t>.
- Bandyopadhyay, B; Shah, V; Soram, M; Viswanathan, C; Ghosh, D. (2013). In vitro and in vivo evaluation of (L)-lactide/ ϵ -caprolactone copolymer scaffold to support myoblast growth and differentiation. *Biotechnol Prog.* 29: 197-205. <http://dx.doi.org/10.1002/btpr.1665>.
- Bani-Yaseen, AD; Al-Balawi, M. (2014). The solvatochromic, spectral, and geometrical properties of nifenzazone: a DFT/TD-DFT and experimental study. *Phys Chem Chem Phys.* 16: 15519-15526. <http://dx.doi.org/10.1039/c4cp01679c>.
- Bansal, V; Delgado, Y; Fasoli, E; Ferrer, A; Griebenow, K; Secundo, F; Barletta, GL. (2010). Effect of prolonged exposure to organic solvents on the active site environment of subtilisin Carlsberg. *Journal of Molecular Catalysis B: Enzymatic.* 64: 38-44. <http://dx.doi.org/10.1016/j.molcatb.2010.01.021>.
- Bansal, V; Delgado, Y; Legault, M; Barletta, G. (2012). Low operational stability of enzymes in dry organic solvents: changes in the active site might affect catalysis. *Molecules.* 17: 1870-1882. <http://dx.doi.org/10.3390/molecules17021870>.
- Barndök, H; Cortijo, L; Hermosilla, D; Negro, C; Blanco, A. (2014). Removal of 1,4-dioxane from industrial wastewaters: routes of decomposition under different operational conditions to determine the ozone oxidation capacity. *J Hazard Mater.* 280: 340-347. <http://dx.doi.org/10.1016/j.jhazmat.2014.07.077>.
- Barndök, H; Hermosilla, D; Cortijo, L; Torres, E; Blanco, A. (2014). Electrooxidation of industrial wastewater containing 1,4-dioxane in the presence of different salts. *Environ Sci Pollut Res Int.* 21: 5701-5712. <http://dx.doi.org/10.1007/s11356-013-2483-2>.
- Barouti, G; Khalil, A; Orione, C; Jarnouen, K; Cammas-Marion, S; Loyer, P; Guillaume, SM. (2016). Poly(trimethylene carbonate)/Poly(malic acid) Amphiphilic Diblock Copolymers as Biocompatible Nanoparticles. *Chemistry.* 22: 2819-2830. <http://dx.doi.org/10.1002/chem.201504824>.
- Bartkiewicz, S; Miniewicz, A. (2015). Whirl-enhanced continuous wave laser trapping of particles. *Phys Chem Chem Phys.* 17: 1077-1083. <http://dx.doi.org/10.1039/c4cp04008b>.
- Basak, D; Kumar, R; Ghosh, S. (2014). Telechelic Poly(disulfide)s and Related Block Copolymer. *Macromol Rapid Comm.* 35: 1340-1344. <http://dx.doi.org/10.1002/marc.201400237>.
- Basha, SL; Rochon, ML; Quiñones, JN; Coassolo, KM; Rust, OA; Smulian, JC. (2010). Randomized controlled trial of wound complication rates of subcuticular suture vs staples for skin closure at cesarean delivery. *Am J Obstet Gynecol.* 203: 285.e281-285.e288. <http://dx.doi.org/10.1016/j.ajog.2010.07.011>.
- Bat, E; Feijen, J; Grijpma, DW. (2010). Biodegradable elastomeric networks: highly efficient cross-linking of poly(trimethylene carbonate) by gamma irradiation in the presence of pentaerythritol triacrylate. *Biomacromolecules.* 11: 2692-2699. <http://dx.doi.org/10.1021/bm1007234>.
- Bat, E; Harmsen, MC; Plantinga, JA; van Luyn, MJ; Feijen, J; Grijpma, DW. (2010). Flexible scaffolds based on poly(trimethylene carbonate) networks for cardiac tissue engineering. *J Control Release.* 148: e74-e76. <http://dx.doi.org/10.1016/j.jconrel.2010.07.013>.
- Bat, E; Kothman, BH; Higuera, GA; van Blitterswijk, CA; Feijen, J; Grijpma, DW. (2010). Ultraviolet light crosslinking of poly(trimethylene carbonate) for elastomeric tissue engineering scaffolds. *Biomaterials.* 31: 8696-8705. <http://dx.doi.org/10.1016/j.biomaterials.2010.07.102>.
- Bat, E; Plantinga, JA; Harmsen, MC; van Luyn, MJ; Feijen, J; Grijpma, DW. (2010). In vivo behavior of trimethylene carbonate and ϵ -caprolactone-based (co)polymer networks: degradation and tissue response. *J Biomed Mater Res A.* 95: 940-949. <http://dx.doi.org/10.1002/jbm.a.32921>.
- Bat, E; van Kooten, TG; Feijen, J; Grijpma, DW. (2009). Macrophage-mediated erosion of gamma irradiated poly(trimethylene carbonate) films. *Biomaterials.* 30: 3652-3661. <http://dx.doi.org/10.1016/j.biomaterials.2009.03.033>.
- Bat, E; van Kooten, TG; Feijen, J; Grijpma, DW. (2011). Crosslinking of trimethylene carbonate and D, L-lactide (co-) polymers by gamma irradiation in the presence of pentaerythritol triacrylate. *Macromol Biosci.* 11: 952-961. <http://dx.doi.org/10.1002/mabi.201100031>.

Human Health Hazard Literature Search Results

Off Topic

- Bat, E; van Kooten, TG; Feijen, J; Grijpma, DW. (2011). Resorbable elastomeric networks prepared by photocrosslinking of high-molecular-weight poly(trimethylene carbonate) with photoinitiators and poly(trimethylene carbonate) macromers as crosslinking aids. *Acta Biomater.* 7: 1939-1948. <http://dx.doi.org/10.1016/j.actbio.2011.01.010>.
- Bat, E; van Kooten, TG; Harmsen, MC; Plantinga, JA; van Luyn, MJ; Feijen, J; Grijpma, DW. (2013). Physical properties and erosion behavior of poly(trimethylene carbonate-co-ε-caprolactone) networks. *Macromol Biosci.* 13: 573-583. <http://dx.doi.org/10.1002/mabi.201200373>.
- Bat, E; Zhang, Z; Feijen, J; Grijpma, DW; Poot, AA. (2014). Biodegradable elastomers for biomedical applications and regenerative medicine [Review]. *Regen Med.* 9: 385-398. <http://dx.doi.org/10.2217/rme.14.4>.
- Battistuzzi, G; Giannini, G. (2016). Synthesis of ST7612AA1, a Novel Oral HDAC Inhibitor, via Radical Thioacetic Acid Addition. *Current Bioactive Compounds.* 12: 282-288. <http://dx.doi.org/10.2174/1573407212666160504160556>.
- Bauer, S; Sorek, H; Mitchell, VD; Ibáñez, AB; Wemmer, DE. (2012). Characterization of *Miscanthus giganteus* lignin isolated by ethanol organosolv process under reflux condition. *J Agric Food Chem.* 60: 8203-8212. <http://dx.doi.org/10.1021/jf302409d>.
- Beck, J; Raabe, A. (2011). Clazosentan: prevention of cerebral vasospasm and the potential to overcome infarction. *Acta Neurochir Suppl.* 110: 147-150. http://dx.doi.org/10.1007/978-3-7091-0356-2_26.
- Bedjanian, Y; Morin, J; Romanias, MN. (2015). Gas-Phase Reaction of Hydroxyl Radical with p-Cymene over an Extended Temperature Range. *J Phys Chem A.* 119: 11076-11083. <http://dx.doi.org/10.1021/acs.jpca.5b08478>.
- Bednarczyk-Cwynar, B; Wachowiak, N; Szulc, M; Kamińska, E; Bogacz, A; Bartkowiak-Wieczorek, J; Zaprutko, L; Mikolajczak, PL. (2016). Strong and Long-Lasting Antinociceptive and Anti-inflammatory Conjugate of Naturally Occurring Oleanolic Acid and Aspirin. 7: 202. <http://dx.doi.org/10.3389/fphar.2016.00202>.
- Bednarczyk-Cwynar, B; Zaprutko, L; Marciniak, J; Lewandowski, G; Szulc, M; Kaminska, E; Wachowiak, N; Mikolajczak, PL. (2012). The analgesic and anti-inflammatory effect of new oleanolic acid acyloxyimino derivative. *Eur J Pharm Sci.* 47: 549-555. <http://dx.doi.org/10.1016/j.ejps.2012.07.017>.
- Beinborn, NA; Lirola, HL; Williams, RO. (2012). Effect of process variables on morphology and aerodynamic properties of voriconazole formulations produced by thin film freezing. *Int J Pharm.* 429: 46-57. <http://dx.doi.org/10.1016/j.ijpharm.2012.03.010>.
- Belsito, D; Bickers, D; Bruze, M; Calow, P; Dagli, ML; Fryer, AD; Greim, H; Miyachi, Y; Saurat, JH; Sipes, IG; Panel, RE. (2011). A toxicological and dermatological assessment of macrocyclic lactone and lactide derivatives when used as fragrance ingredients [Review]. *Food Chem Toxicol.* 49 Suppl 2: S219-S241. <http://dx.doi.org/10.1016/j.fct.2011.07.052>.
- Beneito-Cambra, M; Ripoll-Seguer, L; Herrero-Martínez, JM; Simó-Alfonso, EF; Ramis-Ramos, G. (2011). Determination of fatty alcohol ethoxylates and alkylether sulfates by anionic exchange separation, derivatization with a cyclic anhydride and liquid chromatography. *J Chromatogr A.* 1218: 8511-8518. <http://dx.doi.org/10.1016/j.chroma.2011.09.059>.
- Bennett, LL; Mohan, D. (2013). Gaucher disease and its treatment options [Review]. *Ann Pharmacother.* 47: 1182-1193. <http://dx.doi.org/10.1177/1060028013500469>.
- Bernini, R; Crisante, F; Gentili, P; Morana, F; Pierini, M; Piras, M. (2011). Chemoselective C-4 aerobic oxidation of catechin derivatives catalyzed by the *Trametes villosa* laccase/1-hydroxybenzotriazole system: synthetic and mechanistic aspects. *J Org Chem.* 76: 820-832. <http://dx.doi.org/10.1021/jo101886s>.
- Bernis-Filho, WO; Wouters, F; Wouters, AA; Bernis, VM; Lopes, LR; Andreollo, NA. (2013). Comparative study of cotton, polyglactin and polyglactone sutures in intestinal anastomoses in dogs. 26: 18-26.
- Berselli, M; Livraghi, L; Latham, L; Farassino, L; Rota Bacchetta, GL; Pasqua, N; Ceriani, I; Segato, S; Cocozza, E. (2015). Laparoscopic repair of voluminous symptomatic hiatal hernia using absorbable synthetic mesh. 24: 372-376. <http://dx.doi.org/10.3109/13645706.2015.1064446>.
- Bertke, JA; Oliver, AG; Henderson, KW. (2012). catena-Poly[[penta-μ-benzoato-μ-chlorido-dioxanedineodymium(III)] dioxane 2.5-solvate]. *Acta Crystallographica Section E: Structure Reports Online.* 68: m690. <http://dx.doi.org/10.1107/S1600536812017746>.
- Bertleff, MJ; Stegmann, T; Liem, RS; Kors, G; Robinson, PH; Nicolai, JP; Lange, JF. (2009). Comparison of closure of gastric perforation ulcers with biodegradable lactide-glycolide-caprolactone or omental patches. *JSLs.* 13: 550-554. <http://dx.doi.org/10.4293/108680809X12589998404362>.
- Betz, MW; Caccamese, JF; Coletti, DP; Sauk, JJ; Fisher, JP. (2009). Tissue response and orbital floor regeneration using cyclic acetal hydrogels. *J Biomed Mater Res A.* 90: 819-829. <http://dx.doi.org/10.1002/jbm.a.32131>.
- Betz, MW; Yeatts, AB; Richbourg, WJ; Caccamese, JF; Coletti, DP; Falco, EE; Fisher, JP. (2010). Macroporous hydrogels upregulate osteogenic signal expression and promote bone regeneration. *Biomacromolecules.* 11: 1160-1168. <http://dx.doi.org/10.1021/bm100061z>.
- Bhatt, K; Roychoudhury, A; Bhutia, O; Trikha, A; Seith, A; Pandey, RM. (2010). Equivalence randomized controlled trial of bioresorbable versus titanium miniplates in treatment of mandibular fracture: a pilot study. *J Oral Maxillofac Surg.* 68: 1842-1848. <http://dx.doi.org/10.1016/j.joms.2009.09.005>.
- Bhuwalka, A; Mike, JF; Intemann, JJ; Ellern, A; Jeffries-El, M. (2015). A versatile and efficient synthesis of bithiophene-based dicarboxaldehydes from a common synthon. *Org Biomol Chem.* 13: 9462-9470. <http://dx.doi.org/10.1039/c5ob01135c>.
- Bi, W; Bi, Y; Xue, P; Zhang, Y; Gao, X; Wang, Z; Li, M; Baudy-Floc'h, M; Ngerebara, N; Gibson, KM; Bi, L. (2010). Synthesis and characterization of novel indole derivatives reveal improved therapeutic agents for treatment of ischemia/reperfusion (I/R) injury. *J Med Chem.* 53: 6763-6767. <http://dx.doi.org/10.1021/jm100529e>.
- Bidmanova, S; Hrdlickova, E; Jaros, J; Ilkovic, L; Hampl, A; Damborsky, J; Prokop, Z. (2014). Microscopic monitoring provides information on structure and properties during biocatalyst immobilization. *Biotechnol J.* 9: 852-860. <http://dx.doi.org/10.1002/biot.201300049>.

Human Health Hazard Literature Search Results

Off Topic

- Biernesser, AB; Li, B; Byers, JA. (2013). Redox-controlled polymerization of lactide catalyzed by bis(imino)pyridine iron bis(alkoxide) complexes. *J Am Chem Soc.* 135: 16553-16560. <http://dx.doi.org/10.1021/ja407920d>.
- Bilyachenko, AN; Yalymov, AI; Shul'pina, LS; Mandelli, D; Korlyukov, AA; Vologzhanina, AV; Es'kova, MA; Shubina, ES; Levitsky, MM; Shul'pin, GB. (2016). Novel Cage-Like Hexanuclear Nickel(II) Silsesquioxane. Synthesis, Structure, and Catalytic Activity in Oxidations with Peroxides. *Molecules.* 21. <http://dx.doi.org/10.3390/molecules21050665>.
- Binda, PI; Delbridge, EE; Abrahamson, HB; Skelton, BW. (2009). Coordination of substitutionally inert phenolate ligands to lanthanide(II) and (III) compounds--catalysts for ring-opening polymerization of cyclic esters. *Dalton Trans*2777-2787. <http://dx.doi.org/10.1039/b821770j>.
- Biondo-Simões, M; Moura, PA; Colla, K; Tocchio, AF; Morais, CG; Miranda, RA; Robes, RR; Ioshii, SO. (2014). Inflammatory reaction and tensile strength of the abdominal wall after an implant of polypropylene mesh and polypropylene/poliglecaprone mesh for abdominal wall defect treatment in rats. *Acta Cir Bras.* 29 Suppl 1: 45-51.
- Blanquer, SB; Sharifi, S; Grijpma, DW. (2012). Development of poly(trimethylene carbonate) network implants for annulus fibrosus tissue engineering. *10: 177-184.* <http://dx.doi.org/10.5301/JABFM.2012.10354>.
- Blazsó, M; Bozi, J. (2013). Ammonium Y zeolite applied as a thermochemolysis reagent for identification of polyethers and polyesters. *J Chromatogr A.* 1271: 217-220. <http://dx.doi.org/10.1016/j.chroma.2012.11.050>.
- Blunden, BM; Lu, H; Stenzel, MH. (2013). Enhanced Delivery of the RAPTA-C Macromolecular Chemotherapeutic by Conjugation to Degradable Polymeric Micelles. *Biomacromolecules.* 14: 4177-4188. <http://dx.doi.org/10.1021/bm4013919>.
- Bogen, KT. (1990). Uncertainty in environmental health risk assessment. New York, NY: Garland Publishing.
- Bogolitsyn, KG; Gusakova, MA; Khviyuzov, SS; Zubov, IN. (2014). Physicochemical Properties of Conifer Lignins Using *Juniperus communis* as an Example. *Chemistry of Natural Compounds.* 50: 337-341. <http://dx.doi.org/10.1007/s10600-014-0946-4>.
- Bolchi, C; Bavo, F; Gotti, C; Fumagalli, L; Fasoli, F; Binda, M; Mucchietto, V; Sciacaluga, M; Plutino, S; Fucile, S; Pallavicini, M. (2017). From pyrrolidinyl-benzodioxane to pyrrolidinyl-pyridodioxanes, or from unselective antagonism to selective partial agonism at $\alpha 4\beta 2$ nicotinic acetylcholine receptor. *Eur J Med Chem.* 125: 1132-1144. <http://dx.doi.org/10.1016/j.ejmech.2016.10.048>.
- Bolchi, C; Gotti, C; Binda, M; Fumagalli, L; Pucci, L; Pistillo, F; Vistoli, G; Valoti, E; Pallavicini, M. (2011). Unichiral 2-(2'-pyrrolidinyl)-1,4-benzodioxanes: the 2R,2'S diastereomer of the N-methyl-7-hydroxy analogue is a potent $\alpha 4\beta 2$ - and $\alpha 6\beta 2$ -nicotinic acetylcholine receptor partial agonist. *J Med Chem.* 54: 7588-7601. <http://dx.doi.org/10.1021/jm200937t>.
- Bolchi, C; Pallavicini, M; Fumagalli, L; Ferri, N; Corsini, A; Rusconi, C; Valoti, E. (2009). New Ras CAAX mimetics: design, synthesis, antiproliferative activity, and RAS prenylation inhibition. *19: 5500-5504.* <http://dx.doi.org/10.1016/j.bmcl.2009.07.065>.
- Bolchi, C; Valoti, E; Gotti, C; Fasoli, F; Ruggeri, P; Fumagalli, L; Binda, M; Mucchietto, V; Sciacaluga, M; Budriesi, R; Fucile, S; Pallavicini, M. (2015). Chemistry and Pharmacology of a Series of Unichiral Analogues of 2-(2-Pyrrolidinyl)-1,4-benzodioxane, Prolinol Phenyl Ether, and Prolinol 3-Pyridyl Ether Designed as $\alpha 4\beta 2$ -Nicotinic Acetylcholine Receptor Agonists. *J Med Chem.* 58: 6665-6677. <http://dx.doi.org/10.1021/acs.jmedchem.5b00904>.
- Bölgen, N; Vargel, I; Korkusuz, P; Güzel, E; Plieva, F; Galaev, I; Matiasson, B; Pişkin, E. (2009). Tissue responses to novel tissue engineering biodegradable cryogel scaffolds: an animal model. *J Biomed Mater Res A.* 91: 60-68. <http://dx.doi.org/10.1002/jbm.a.32193>.
- Bonancía, P; Vayá, I; Climent, MJ; Gustavsson, T; Markovitsi, D; Jiménez, MC; Miranda, MA. (2012). Excited-state interactions in diastereomeric flurbiprofen-thymine dyads. *J Phys Chem A.* 116: 8807-8814. <http://dx.doi.org/10.1021/jp3063838>.
- Bonifazi, A; Del Bello, F; Mammoli, V; Piergentili, A; Petrelli, R; Cimarelli, C; Pellei, M; Schepmann, D; Wünsch, B; Barocelli, E; Bertoni, S; Flammini, L; Amantini, C; Nabissi, M; Santoni, G; Vistoli, G; Quaglia, W. (2015). Novel Potent N-Methyl-d-aspartate (NMDA) Receptor Antagonists or $\sigma 1$ Receptor Ligands Based on Properly Substituted 1,4-Dioxane Ring. *J Med Chem.* 58: 8601-8615. <http://dx.doi.org/10.1021/acs.jmedchem.5b01214>.
- Bonnet, CS; Fries, PH; Crouzy, S; Delangle, P. (2010). Outer-sphere investigation of MRI relaxation contrast agents. Example of a cyclodecapeptide gadolinium complex with second-sphere water. *J Phys Chem B.* 114: 8770-8781. <http://dx.doi.org/10.1021/jp101443v>.
- Bonnier, C; Bender, TP. (2015). Ring Opening Reactions through C-O Bond Cleavage Uniquely Adding Chemical Functionality to Boron Subphthalocyanine. *Molecules.* 20: 18237-18245. <http://dx.doi.org/10.3390/molecules201018237>.
- Boorman, GA; Morgan, KT; Uriah, LC. (1990). Nose, larynx and trachea. In GA Boorman; SL Eustis; MR Elwell; WF MacKenzie (Eds.), (pp. 315-337). San Diego, CA: Academic Press.
- Bóta, J; Hajagos-Tóth, J; Ducza, E; Samavati, R; Borsodi, A; Benyhe, S; Gáspár, R. (2015). The effects of female sexual hormones on the expression and function of $\alpha 1A$ - and $\alpha 1D$ -adrenoceptor subtypes in the late-pregnant rat myometrium. *Eur J Pharmacol.* 769: 177-184. <http://dx.doi.org/10.1016/j.ejphar.2015.11.015>.
- Boulay, D; Depoortere, R; Louis, C; Lacave, M; Lucas, MT; Griebel, G. (2011). SSR181507, a dopamine D_2 receptor and 5-HT $_{1A}$ receptor ligand: evidence for mixed anxiolytic- and antidepressant-like activities. *Pharmacol Biochem Behav.* 97: 428-435. <http://dx.doi.org/10.1016/j.pbb.2010.09.019>.
- Bouxin, F; Baumberger, S; Pollet, B; Haudrechy, A; Renault, JH; Dole, P. (2010). Acidolysis of a lignin model: investigation of heterogeneous catalysis using Montmorillonite clay. *Bioresour Technol.* 101: 736-744. <http://dx.doi.org/10.1016/j.biortech.2009.08.037>.
- Brantley, SJ; Graf, TN; Oberlies, NH; Paine, MF. (2013). A systematic approach to evaluate herb-drug interaction mechanisms: investigation of milk thistle extracts and eight isolated constituents as CYP3A inhibitors. *Drug Metab Dispos.* 41: 1662-1670. <http://dx.doi.org/10.1124/dmd.113.052563>.
- Bremer, F; Gellrich, NC; Stiesch, M. (2009). [In vitro studies of the mechanical load capability of resorbable monofilament suture materials]. *Schweizerische Monatsschrift fuer Zahnmedizin.* 119: 876-880.

Human Health Hazard Literature Search Results

Off Topic

- Brink, A; Truedsson, I; Fleckhaus, A; Johnson, MT; Norrby, PO; Roodt, A; Wendt, OF. (2014). Fast and reversible insertion of carbon dioxide into zirconocene-alkoxide bonds. A mechanistic study. *Dalton Transactions (Online)*. 43: 8894-8898. <http://dx.doi.org/10.1039/c3dt53566e>.
- Bruderer, S; Detishin, V; Tsvitbaum, N; Dingemans, J. (2011). Influence of different degrees of liver impairment on the pharmacokinetics of clazosentan. *Br J Clin Pharmacol*. 71: 52-60. <http://dx.doi.org/10.1111/j.1365-2125.2010.03804.x>.
- Bruderer, S; Sasu, B; Tsvitbaum, N; Dingemans, J. (2011). Influence of severe renal impairment on the pharmacokinetics of clazosentan. *J Clin Pharmacol*. 51: 413-421. <http://dx.doi.org/10.1177/0091270010368975>.
- Bruneau, A; Brion, JD; Messaoudi, S; Alami, M. (2014). A general Pd/Cu-catalyzed C-H heteroarylation of 3-bromoquinolin-2(1H)-ones. *Org Biomol Chem*. 12: 8533-8541. <http://dx.doi.org/10.1039/c4ob01610f>.
- Bueno, M; Molina, I; Galbis, JA. (2009). 1,4-Dioxane-2,5-dione-type monomers derived from l-ascorbic and d-isoascorbic acids. Synthesis and polymerisation. *Carbohydr Res*. 344: 2100-2104. <http://dx.doi.org/10.1016/j.carres.2009.06.032>.
- Bury, K; Śmietański, M; Group, PHS. (2012). Five-year results of a randomized clinical trial comparing a polypropylene mesh with a poliglecaprone and polypropylene composite mesh for inguinal hernioplasty. *Hernia*. 16: 549-553. <http://dx.doi.org/10.1007/s10029-012-0916-3>.
- Busby, SA; Kumar, N; Kuruville, DS; Istrate, MA; Conkright, JJ; Wang, Y; Kamenecka, TM; Cameron, MD; Roush, WR; Burris, TP; Griffin, PR. (2011). Identification of a novel non-retinoid pan inverse agonist of the retinoic acid receptors. *ACS Chem Biol*. 6: 618-627. <http://dx.doi.org/10.1021/cb100396s>.
- Bustamante, P; Muela, S; Escalera, B; Pena, A. (2010). Solubility Behavior and Prediction for Anthelmintics at Several Temperatures in Aqueous and Nonaqueous Mixtures. *Chem Pharm Bull (Tokyo)*. 58: 644-649.
- Butler, RS; Cohn, P; Tenzel, P; Abboud, KA; Castellano, RK. (2009). Synthesis, photophysical behavior, and electronic structure of push-pull purines. *J Am Chem Soc*. 131: 623-633. <http://dx.doi.org/10.1021/ja806348z>.
- Cai, Y; Chen, J; Yao, D; Liu, D. (2009). [Investigation of micro-aqueous covalent immobilization of horseradish peroxidase by "conformation memory"]. *Sheng Wu Gong Cheng Xue Bao*. 25: 1969-1975.
- Caillé, F; Morley, TJ; Tavares, AA; Papin, C; Twardy, NM; Alagille, D; Lee, HS; Baldwin, RM; Seibyl, JP; Barret, O; Tamagnan, GD. (2013). Synthesis and biological evaluation of positron emission tomography radiotracers targeting serotonin 4 receptors in brain: [18F]MNI-698 and [18F]MNI-699. 23: 6243-6247. <http://dx.doi.org/10.1016/j.bmcl.2013.09.097>.
- Cal/EPA. (2013). Proposition 65 list of chemicals: Chemicals known to the state to cause cancer or reproductive toxicity. Sacramento, CA: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. http://www.oehha.ca.gov/prop65/prop65_list/files/P65single072613.pdf.
- Calvo, B; Davidson, MG; García-Vivó, D. (2011). Polyamine-stabilized sodium aryloxides: simple initiators for the ring-opening polymerization of rac-lactide. *Inorg Chem*. 50: 3589-3595. <http://dx.doi.org/10.1021/ic102542q>.
- Can, HK; Parvizikhosroshahi, S; Uluişik, EC. (2016). Studies of miscibility and specific interactions of antitumor-active anhydride copolymer and poly(ethylene glycol) blends. 44: 680-689. <http://dx.doi.org/10.3109/21691401.2014.980506>.
- Cantillo, D; Sheibani, H; Kappe, CO. (2012). Flash flow pyrolysis: mimicking flash vacuum pyrolysis in a high-temperature/high-pressure liquid-phase microreactor environment. *J Org Chem*. 77: 2463-2473. <http://dx.doi.org/10.1021/jo3001645>.
- Carfi Pavia, F; Palumbo, FS; La Carrubba, V; Bongiovi, F; Brucato, V; Pitarresi, G; Giammona, G. (2016). Modulation of physical and biological properties of a composite PLLA and polyaspartamide derivative obtained via thermally induced phase separation (TIPS) technique. *Mater Sci Eng C*. 67: 561-569. <http://dx.doi.org/10.1016/j.msec.2016.05.040>.
- Carpenter, SP; Lasker, JM; Raucy, JL. (1996). Expression, induction, and catalytic activity of the ethanol-inducible cytochrome P450 (CYP2E1) in human fetal liver and hepatocytes. *Mol Pharmacol*. 49: 260-268.
- Carrera, G; Vegué, L; Boleda, MR; Ventura, F. (2017). Simultaneous determination of the potential carcinogen 1,4-dioxane and malodorous alkyl-1,3-dioxanes and alkyl-1,3-dioxolanes in environmental waters by solid-phase extraction and gas chromatography tandem mass spectrometry. *J Chromatogr A*. 1487: 1-13. <http://dx.doi.org/10.1016/j.chroma.2017.01.015>.
- Carrieri, A; Piergentili, A; Del Bello, F; Giannella, M; Pignini, M; Leonardi, A; Fanelli, F; Quaglia, W. (2010). Structure-activity relationships in 1,4-benzodioxan-related compounds. 10. Novel α 1-adrenoreceptor antagonists related to openphendioxan: synthesis, biological evaluation, and α 1d computational study. *Bioorg Med Chem*. 18: 7065-7077. <http://dx.doi.org/10.1016/j.bmc.2010.08.002>.
- Castanheiro, RA; Silva, AM; Campos, NA; Nascimento, MS; Pinto, MM. (2009). Antitumor Activity of Some Prenylated Xanthenes. 2: 33-43. <http://dx.doi.org/10.3390/ph2020033>.
- Castonguay, E; White, SA; Kagansky, A; St-Cyr, DJ; Castillo, AG; Brugger, C; White, R; Bonilla, C; Spitzer, M; Earnshaw, WC; Schalch, T; Ekwall, K; Tyers, M; Allshire, RC. (2015). Panspecies small-molecule disruptors of heterochromatin-mediated transcriptional gene silencing. *Mol Cell Biol*. 35: 662-674. <http://dx.doi.org/10.1128/MCB.01102-14>.
- Castro, CC; Martins, RC; Teixeira, JA; Silva Ferreira, AC. (2014). Application of a high-throughput process analytical technology metabolomics pipeline to Port wine forced ageing process. *Food Chem*. 143: 384-391. <http://dx.doi.org/10.1016/j.foodchem.2013.07.138>.
- Castro-Osma, JA; Alonso-Moreno, C; Márquez-Segovia, I; Otero, A; Lara-Sánchez, A; Fernández-Baeza, J; Rodríguez, AM; Sánchez-Barba, LF; García-Martínez, JC. (2013). Synthesis, structural characterization and catalytic evaluation of the ring-opening polymerization of discrete five-coordinate alkyl aluminium complexes. *Dalton Transactions (Online)*. 42: 9325-9337. <http://dx.doi.org/10.1039/c3dt32657h>.
- Cataldi, NI; Lux-Lantos, VA; Libertun, C. (2012). Effects of orexins A and B on expression of orexin receptors and progesterone release in luteal and granulosa ovarian cells. *Regulatory Peptides*. 178: 56-63. <http://dx.doi.org/10.1016/j.regpep.2012.06.008>.
- Cauët, SI; Wooley, KL. (2010). Kinetic investigation of the RAFT polymerization of p-acetoxystyrene. *J Polym Sci*. 48: 2517-2524.

Human Health Hazard Literature Search Results

Off Topic

- Cavalla, D; Chianelli, F; Korsak, A; Hosford, PS; Gourine, AV; Marina, N. (2015). Tianeptine prevents respiratory depression without affecting analgesic effect of opiates in conscious rats. *Eur J Pharmacol.* 761: 268-272. <http://dx.doi.org/10.1016/j.ejphar.2015.05.067>.
- CDPH. (2011). 1,4-Dioxane for Drinking Water Systems. <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/1,4-dioxane.aspx>.
- Cebrián, C; Natali, M; Villa, D; Panigati, M; Mauro, M; D'Alfonso, G; De Cola, L. (2015). Luminescent supramolecular soft nanostructures from amphiphilic dinuclear Re(I) complexes. *Nanoscale.* 7: 12000-12009. <http://dx.doi.org/10.1039/c5nr01668a>.
- Ceppatelli, M; Frediani, M; Bini, R. (2011). High-pressure reactivity of L,L-lactide. *J Phys Chem B.* 115: 2173-2184. <http://dx.doi.org/10.1021/jp1110136>.
- Chai, L; McLaren, RP; Byrne, A; Chuang, WL; Huang, Y; Dufault, MR; Pacheco, J; Madhiwalla, S; Zhang, X; Zhang, M; Teicher, BA; Carter, K; Cheng, SH; Leonard, JP; Xiang, Y; Vasconcelles, M; Goldberg, MA; Copeland, DP; Klinger, KW; Lillie, J; Madden, SL; Jiang, YA. (2011). The chemosensitizing activity of inhibitors of glucosylceramide synthase is mediated primarily through modulation of P-gp function. *Int J Oncol.* 38: 701-711. <http://dx.doi.org/10.3892/ijo.2010.888>.
- Chaim, IA; Sabino, MA; Mendt, M; Müller, AJ; Ajami, D. (2012). Evaluation of the potential of novel PCL-PPDX biodegradable scaffolds as support materials for cartilage tissue engineering. *J Tissue Eng Regen Med.* 6: 272-279. <http://dx.doi.org/10.1002/term.430>.
- Chambers, JM; Huang, DCS; Lindqvist, LM; Savage, GP; White, JM; Rizzacasa, MA. (2012). Total Synthesis of 2''',5'''-Diepispilvestrol and Its C1''' Epimer: Key Structure Activity Relationships at C1''' and C2'''. *J Nat Prod.* 75: 1500-1504. <http://dx.doi.org/10.1021/np300376f>.
- Chandran, S; Varma, R. (2015). Near infrared cavity enhanced absorption spectra of atmospherically relevant ether-1, 4-Dioxane. *Spectrochim Acta A Mol Biomol Spectrosc.* 153: 704-708. <http://dx.doi.org/10.1016/j.saa.2015.09.030>.
- Chang, PK; Prenosil, GA; Verbich, D; Gill, R; Mckinney, RA. (2014). Prolonged ampakine exposure prunes dendritic spines and increases presynaptic release probability for enhanced long-term potentiation in the hippocampus. *Eur J Neurosci.* 40: 2766-2776. <http://dx.doi.org/10.1111/ejn.12638>.
- Chapanian, R; Amsden, BG. (2010). Combined and sequential delivery of bioactive VEGF165 and HGF from poly(trimethylene carbonate) based photo-cross-linked elastomers. *J Control Release.* 143: 53-63. <http://dx.doi.org/10.1016/j.jconrel.2009.11.025>.
- Chapanian, R; Amsden, BG. (2010). Osmotically driven protein release from photo-cross-linked elastomers of poly(trimethylene carbonate) and poly(trimethylene carbonate-co-d,l-lactide). *74: 172-183.* <http://dx.doi.org/10.1016/j.ejpb.2009.11.012>.
- Chapanian, R; Tse, MY; Pang, SC; Amsden, BG. (2009). The role of oxidation and enzymatic hydrolysis on the in vivo degradation of trimethylene carbonate based photocrosslinkable elastomers. *Biomaterials.* 30: 295-306. <http://dx.doi.org/10.1016/j.biomaterials.2008.09.038>.
- Chapurina, Y; Klitzke, J; Casagrande, O; Awada, M; Dorcet, V; Kirillov, E; Carpentier, JF. (2014). Scandium versus yttrium{amino-alkoxy-bis(phenolate)} complexes for the stereoselective ring-opening polymerization of racemic lactide and β -butyrolactone. *Dalton Transactions (Online).* 43: 14322-14333. <http://dx.doi.org/10.1039/c4dt01206b>.
- Chatterjee, A; Seth, D. (2013). Effect of nanocavities on the torsional dynamics of thioflavin T in various non-aqueous reverse micelles. *Photochem Photobiol Sci.* 12: 369-383. <http://dx.doi.org/10.1039/c2pp25297j>.
- Chatterjee, A; Seth, D. (2013). Photophysical properties of 7-(diethylamino)coumarin-3-carboxylic acid in the nanocage of cyclodextrins and in different solvents and solvent mixtures. *Photochem Photobiol.* 89: 280-293. <http://dx.doi.org/10.1111/php.12000>.
- Chaudhuri, SK; Roy, S; Bhar, S. (2012). Dioxane dibromide mediated bromination of substituted coumarins under solvent-free conditions. *Beilstein Journal of Organic Chemistry.* 8: 323-329. <http://dx.doi.org/10.3762/bjoc.8.35>.
- Chávez, MI; Soto, M; Taborga, L; Díaz, K; Olea, AF; Bay, C; Peña-Cortés, H; Espinoza, L. (2015). Synthesis and in Vitro Antifungal Activity against *Botrytis cinerea* of Geranylated Phenols and Their Phenyl Acetate Derivatives. *International Journal of Molecular Sciences.* 16: 19130-19152. <http://dx.doi.org/10.3390/ijms160819130>.
- Chen, DZ; Ding, YF; Zhou, YY; Ye, JX; Chen, JM. (2015). Biodegradation kinetics of tetrahydrofuran, benzene, toluene, and ethylbenzene as multi-substrate by *Pseudomonas oleovorans* DT4. *Int J Environ Res Public Health.* 12: 371-384. <http://dx.doi.org/10.3390/ijerph120100371>.
- Chen, G; Tariq, A; Ai, J; Sabri, M; Jeon, HJ; Tang, EJ; Lakovic, K; Wan, H; Macdonald, RL. (2011). Different effects of clazosentan on consequences of subarachnoid hemorrhage in rats. *Brain Res.* 1392: 132-139. <http://dx.doi.org/10.1016/j.brainres.2011.03.068>.
- Chen, HY; Liu, MY; Sutar, AK; Lin, CC. (2010). Synthesis and structural studies of heterobimetallic alkoxide complexes supported by bis(phenolate) ligands: efficient catalysts for ring-opening polymerization of L-lactide. *Inorg Chem.* 49: 665-674. <http://dx.doi.org/10.1021/ic901938e>.
- Chen, K; Liu, C; Deng, L; Xu, G. (2010). A practical Delta 1-dehydrogenation of Delta 4-3-keto-steroids with DDQ in the presence of TBDMSCl at room temperature. *Steroids.* 75: 513-516. <http://dx.doi.org/10.1016/j.steroids.2010.03.002>.
- Chen, KG; Hamilton, RS; Robey, PG; Mallon, BS. (2014). Alternative cultures for human pluripotent stem cell production, maintenance, and genetic analysis. *J Vis Exp.* <http://dx.doi.org/10.3791/51519>.
- Chen, RY, i; Zhang, Y, uR; Wang, Y, uZ. (2009). Synthesis of poly (1,4-dioxan-2-one) catalyzed by immobilized lipase CA. *Journal of Molecular Catalysis B: Enzymatic.* 57: 224-228. <http://dx.doi.org/10.1016/j.molcatb.2008.09.013>.
- Chen, S; He, Z; Xu, G; Xiao, X. (2016). Fabrication and characterization of modified nanofibrous poly(L-lactic acid) scaffolds by thermally induced phase separation technique and aminolysis for promoting cytocompatibility. *J Biomater Sci Polym Ed.* 27: 1058-1068. <http://dx.doi.org/10.1080/09205063.2016.1180830>.
- Chen, X; Rinkevicius, Z; Luo, Y; Ågren, H; Cao, Z. (2012). Theoretical studies on the photoinduced rearrangement mechanism of α -santonin. *Chemphyschem.* 13: 353-362. <http://dx.doi.org/10.1002/cphc.201100451>.
- Cheng, J; Ji, R, an; Gao, S; Du, F, uS; Li, Z, iC. (2012). Facile Synthesis of Acid-Labile Polymers with Pendent Ortho Esters. *Biomacromolecules.* 13: 173-179. <http://dx.doi.org/10.1021/bm201410c>.
- Cheng, X; Yang, B; Hu, X; Xu, Q; Lu, Z. (2016). Visible-Light-Promoted Metal-Free Aerobic Oxidation of Primary Amines to Acids and Lactones. *Chemistry.* 22: 17566-17570. <http://dx.doi.org/10.1002/chem.201604440>.

Human Health Hazard Literature Search Results

Off Topic

- Cheng, ZB; Lu, X; Bao, JM; Han, QH; Dong, Z; Tang, GH; Gan, LS; Luo, HB; Yin, S. (2014). (\pm)-Torreyunlignans A-D, rare 8-9' linked neolignan enantiomers as phosphodiesterase-9A inhibitors from *Torreya yunnanensis*. *J Nat Prod.* 77: 2651-2657. <http://dx.doi.org/10.1021/np500528u>.
- Chéry, F; Cabianca, E; Tatibouët, A; De Lucchi, O; Lindhorst, TK; Rollin, P. (2015). Reductive opening of carbohydrate phenylsulfonylethylidene (PSE) acetals. *Carbohydr Res.* 417: 117-124. <http://dx.doi.org/10.1016/j.carres.2015.09.011>.
- Chhabria, MT; Mahajan, BM; Brahmshatriya, PS. (2011). QSAR study of a series of acyl coenzyme A (CoA): cholesterol acyltransferase inhibitors using genetic function approximation. *Medicinal Chemistry Research.* 20: 1573-1580. <http://dx.doi.org/10.1007/s00044-010-9413-3>.
- Chianese, G; Fattorusso, E; Scala, F; Teta, R; Calcinaï, B; Bavestrello, G; Dien, HA; Kaiser, M; Tasdemir, D; Tagliatela-Scafati, O. (2012). Manadoperoxides, a new class of potent antitrypanosomal agents of marine origin. *Org Biomol Chem.* 10: 7197-7207. <http://dx.doi.org/10.1039/c2ob26124c>.
- Chianese, G; Persico, M; Yang, F; Lin, HW; Guo, YW; Basilico, N; Parapini, S; Taramelli, D; Tagliatela-Scafati, O; Fattorusso, C. (2014). Endoperoxide polyketides from a Chinese *Plakortis simplex*: further evidence of the impact of stereochemistry on antimalarial activity of simple 1,2-dioxanes. *Bioorg Med Chem.* 22: 4572-4580. <http://dx.doi.org/10.1016/j.bmc.2014.07.034>.
- Chiodini, G; Pallavicini, M; Zanotto, C; Bissa, M; Radaelli, A; Straniero, V; Bolchi, C; Fumagalli, L; Ruggeri, P; De Giuli Morghen, C; Valoti, E. (2015). Benzodioxane-benzamides as new bacterial cell division inhibitors. *Eur J Med Chem.* 89: 252-265. <http://dx.doi.org/10.1016/j.ejmech.2014.09.100>.
- Chipem, FA; Krishnamoorthy, G. (2009). Comparative theoretical study of rotamerism and excited state intramolecular proton transfer of 2-(2'-hydroxyphenyl)benzimidazole, 2-(2'-hydroxyphenyl)imidazo[4,5-b]pyridine, 2-(2'-hydroxyphenyl)imidazo[4,5-c]pyridine and 8-(2'-hydroxyphenyl)purine. *J Phys Chem A.* 113: 12063-12070. <http://dx.doi.org/10.1021/jp903535g>.
- Chipem, FA; Malakar, A; Krishnamoorthy, G. (2015). Intramolecular proton transfer in 2-(2'-hydroxyphenyl)oxazolo[4,5-b]pyridine: evidence for tautomer in the ground state. *Photochem Photobiol.* 91: 298-305. <http://dx.doi.org/10.1111/php.12411>.
- Chitra, S; Paramasivan, K; Cheralathan, M; Sinha, PK. (2012). Degradation of 1,4-dioxane using advanced oxidation processes. *Environ Sci Pollut Res Int.* 19: 871-878. <http://dx.doi.org/10.1007/s11356-011-0619-9>.
- Cho, BO; So, Y; Jin, CH; Nam, BM; Yee, ST; Jeong, IY. (2014). 3-deoxysilybin exerts anti-inflammatory effects by suppressing NF- κ B activation in lipopolysaccharide-stimulated RAW264.7 macrophages. *Biosci Biotechnol Biochem.* 78: 2051-2058. <http://dx.doi.org/10.1080/09168451.2014.948377>.
- Cho, S; Yoon, M; Pae, AN; Jin, YH; Cho, NC; Takata, Y; Urade, Y; Kim, S; Kim, JS; Yang, H; Kim, J; Kim, J; Han, JK; Shimizu, M; Huang, ZL. (2014). Marine polyphenol phlorotannins promote non-rapid eye movement sleep in mice via the benzodiazepine site of the GABAA receptor. *Psychopharmacology.* 231: 2825-2837. <http://dx.doi.org/10.1007/s00213-014-3445-1>.
- Choi, JY; Kim, JW; Yoo, CK; Yun, PY; Baek, SH; Kim, YK. (2011). Evaluation of post-surgical relapse in maxillary surgery using resorbable plate. 39: 578-582. <http://dx.doi.org/10.1016/j.jcms.2010.12.003>.
- Choi, JY; Lee, YJ; Shin, J; Yang, JW. (2010). Anodic oxidation of 1,4-dioxane on boron-doped diamond electrodes for wastewater treatment. *J Hazard Mater.* 179: 762-768. <http://dx.doi.org/10.1016/j.jhazmat.2010.03.067>.
- Christensen, BB; Foldager, CB; Hansen, OM; Kristiansen, AA; Le, DQ; Nielsen, AD; Nygaard, JV; Bünger, CE; Lind, M. (2012). A novel nano-structured porous polycaprolactone scaffold improves hyaline cartilage repair in a rabbit model compared to a collagen type I/III scaffold: in vitro and in vivo studies. *Knee Surg Sports Traumatol Arthrosc.* 20: 1192-1204. <http://dx.doi.org/10.1007/s00167-011-1692-9>.
- Chrostowska, A; Dargelos, A; Khayar, S; Wentrup, C. (2012). Methyliminopropadienone CH₃-N=C=C=O: photoelectron spectrum and electronic structure. *J Phys Chem A.* 116: 9315-9320. <http://dx.doi.org/10.1021/jp307916p>.
- Chu, JH; Lin, PS; Lee, YM; Shen, WT; Wu, MJ. (2011). Palladium(II)-catalyzed one-pot syntheses of 9-(pyridin-2-yl)-9H-carbazoles through a tandem C-H activation/C-X (X=C or N) formation process. *Chemistry.* 17: 13613-13620. <http://dx.doi.org/10.1002/chem.201101528>.
- Chuang, HJ; Weng, SF; Chang, CC; Lin, CC; Chen, HY. (2011). Synthesis, characterization and catalytic activity of magnesium and zinc aminophenoxide complexes: catalysts for ring-opening polymerization of L-lactide. *Dalton Transactions (Online).* 40: 9601-9607. <http://dx.doi.org/10.1039/c1dt11080b>.
- Ciszewska, M; Kwasiborska, M; Nowakowski, M; Oleszczuk, M; Wójcik, J; Chung, NN; Schiller, PW; Izdebski, J. (2009). N-(ureidoethyl)amides of cyclic enkephalin analogs. *J Pept Sci.* 15: 312-318. <http://dx.doi.org/10.1002/psc.1118>.
- Ciszewska, M; Ruszczynska, K; Oleszczuk, M; Chung, N; Witkowska, E, wa; Schiller, PW; Wojcik, J; Izdebski, J, an. (2011). Cyclic enkephalin-deltorphin hybrids containing a carbonyl bridge: structure and opioid activity. *Acta Biochim Pol.* 58: 225-230.
- Clark, L; Deacon, GB; Forsyth, CM; Junk, PC; Mountford, P; Townley, JP; Wang, J. (2013). Synthesis and structures of calcium and strontium 2,4-di-tert-butylphenolates and their reactivity towards the amine co-initiated ring-opening polymerisation of rac-lactide. *Dalton Transactions (Online).* 42: 9294-9312. <http://dx.doi.org/10.1039/c3dt00065f>.
- Clawson, GA; Blankenship, LJ; Rhame, JG; Wilkinson, DS. (1992). Nuclear enlargement induced by hepatocarcinogens alters ploidy. *Cancer Res.* 52: 1304-1308.
- Cobaleda Aristizabal, AF; Sanders, EJ; Barber, FA. (2014). Adverse events associated with biodegradable lactide-containing suture anchors. 30: 555-560. <http://dx.doi.org/10.1016/j.arthro.2014.02.011>.
- Coccorello, R; Bielawski, A; Zelek-Molik, A; Vetulani, J; Kowalska, M; D'Amato, FR; Nalepa, I. (2014). Brief maternal separation affects brain α 1-adrenoceptors and apoptotic signaling in adult mice. 48: 161-169. <http://dx.doi.org/10.1016/j.pnpbp.2013.10.004>.
- Colciago, A; Mornati, O; Ferri, N; Castelnovo, LF; Fumagalli, L; Bolchi, C; Pallavicini, M; Valoti, E; Negri-Cesi, P. (2016). A selective α 1D-adrenoreceptor antagonist inhibits human prostate cancer cell proliferation and motility "in vitro". *Pharmacol Res.* 103: 215-226. <http://dx.doi.org/10.1016/j.phrs.2015.11.017>.

Human Health Hazard Literature Search Results

Off Topic

- Commonwealth of Massachusetts. (2012). Standards and guidelines for contaminants in Massachusetts drinking water. Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs, Department of Environmental Protection, Office of Research and Standards. <http://www.mass.gov/dep/water/dwstand.pdf>.
- Conconi, MT; Marzaro, G; Guiotto, A; Urbani, L; Zanusso, I; Tonus, F; Tommasini, M; Parnigotto, PP; Chilin, A. (2012). New vandetanib analogs: fused tricyclic quinazolines with antiangiogenic potential. *Invest New Drugs*. 30: 594-603. <http://dx.doi.org/10.1007/s10637-010-9621-1>.
- Connecticut. (2012). Fact Sheet: 1,4-dioxane in well water [Fact Sheet]. Hartford, CT: Connecticut Department of Public Health. Environmental & Occupational Health Assessment Program. http://www.ct.gov/dph/lib/dph/environmental_health/eoha/pdf/1_4_dioxane.pdf.
- Cookson, R; Barrett, TN; Barrett, AG. (2015). β -Keto-dioxinones and β,δ -diketo-dioxinones in biomimetic resorcyate total synthesis. *Acc Chem Res*. 48: 628-642. <http://dx.doi.org/10.1021/ar5004169>.
- Cordaro, M; Risitano, F; Scala, A; Rescifina, A; Chiacchio, U; Grassi, G. (2013). Self-catalyzed Mannich-type reaction of enolizable cyclic 1,3-dicarbonyls to acyclic nitrones: an entry to functionalized β -enamino diones. *J Org Chem*. 78: 3972-3979. <http://dx.doi.org/10.1021/jo400331b>.
- Cordova, K; Sweeney, S; Jellinek, NJ. (2013). The elegant ellipse-running subcuticular closures [Letter]. *Dermatol Surg*. 39: 804-807. <http://dx.doi.org/10.1111/dsu.12159>.
- Cortés-Arriagada, D. (2016). Expanding the environmental applications of metal (Al, Ti, Mn, Fe) doped graphene: adsorption and removal of 1,4-dioxane. *Phys Chem Chem Phys*. 18: 32281-32292. <http://dx.doi.org/10.1039/c6cp07311e>.
- Costa, T; Marques, AT; Seixas de Melo, JS; Thomas, AW; Garner, LE; Scherf, U; Bazan, GC; Burrows, HD. (2014). Self-assembly of poly{1,4-phenylene-[9,9-bis(4-phenoxy-butylsulfonate)]fluorene-2,7-diyl} with oppositely charged phenylenevinylene oligoelectrolytes. *J Phys Chem B*. 118: 613-623. <http://dx.doi.org/10.1021/jp409577y>.
- Costa, T; Seixas de Melo, J; Burrows, HD. (2009). Fluorescence behavior of a pyrene-end-capped poly(ethylene oxide) in organic solvents and in dioxane-water mixtures. *J Phys Chem B*. 113: 618-626. <http://dx.doi.org/10.1021/jp806555x>.
- Coulembier, O; Josse, T; Guillermin, B; Gerbaux, P; Dubois, P. (2012). An imidazole-based organocatalyst designed for bulk polymerization of lactide isomers: inspiration from Nature. *Chem Commun (Camb)*. 48: 11695-11697. <http://dx.doi.org/10.1039/c2cc37061a>.
- Couto, J; St-Louis, R; Karboune, S. (2011). Optimization of feruloyl esterase-catalyzed synthesis of feruloylated oligosaccharides by response surface methodology. *Journal of Molecular Catalysis B: Enzymatic*. 73: 53-62. <http://dx.doi.org/10.1016/j.molcatb.2011.07.016>.
- Couturaud, B; Baldo, A; Mas, A; Robin, JJ. (2015). Improvement of the interfacial compatibility between cellulose and poly(L-lactide) films by plasma-induced grafting of L-lactide: the evaluation of the adhesive properties using a peel test. *J Colloid Interface Sci*. 448: 427-436. <http://dx.doi.org/10.1016/j.jcis.2015.02.035>.
- Craig, RA; Roizen, JL; Smith, RC; Jones, AC; Stoltz, BM. (2012). Enantioselective synthesis of a hydroxymethyl-cis-1,3-cyclopentenediol building block. *Org Lett*. 14: 5716-5719. <http://dx.doi.org/10.1021/ol3027297>.
- Crestani, CC; Alves, FH; Tavares, RF; Corrêa, FM. (2009). Role of the bed nucleus of the stria terminalis in the cardiovascular responses to acute restraint stress in rats. *12: 268-278*. <http://dx.doi.org/10.1080/10253890802331477>.
- Crowley, RW; Macdonald, RL. (2011). Is vasospasm actually bad for you? *76: 6*. <http://dx.doi.org/10.1016/j.wneu.2011.05.040>.
- Cui, J; Shen, Z; Wan, X. (2010). Study on the gel to crystal transition of a novel sugar-appended gelator. *Langmuir*. 26: 97-103. <http://dx.doi.org/10.1021/la9021382>.
- Cui, YM; Tao, DL; Zhang, WB; Yin, RC; Xu, YZ; Wu, JG. (2011). [Synthesis and characterization of new lanthanide complexes using pipemicid acid (PPA) and dioxane as ligands]. *Guang Pu Xue Yu Guang Pu Fen Xi*. 31: 727-731.
- Czakó, Z; Docsa, T; Gergely, P; Juhász, L; Antus, S. (2010). Synthesis and glycogen phosphorylase inhibitor activity of functionalized 1,4-benzodioxanes. *Pharmazie*. 65: 235-238.
- Czakó, Z; Juhász, L; Kenéz, A; Czifrák, K; Somsák, L; Docsa, T; Gergely, P; Antus, S. (2009). Synthesis and glycogen phosphorylase inhibitory activity of N-(β -D-glucopyranosyl)amides possessing 1,4-benzodioxane moiety. *Bioorg Med Chem*. 17: 6738-6741. <http://dx.doi.org/10.1016/j.bmc.2009.07.052>.
- Dabbagh, HA; Naderi, M; Chermahini, AN. (2011). Linear free energy relationship for the anomeric effect: MP2, DFT and ab initio study of 2-substituted-1,4-dioxanes. *Carbohydr Res*. 346: 1047-1056. <http://dx.doi.org/10.1016/j.carres.2011.03.018>.
- Daepfen, C; Kaiser, M; Neuburger, M; Gademann, K. (2015). Preparation of Antimalarial Endoperoxides by a Formal [2 + 2 + 2] Cycloaddition. *Org Lett*. 17: 5420-5423. <http://dx.doi.org/10.1021/acs.orglett.5b02773>.
- Dai, ZW; Zou, XH; Chen, GQ. (2009). Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) as an injectable implant system for prevention of post-surgical tissue adhesion. *Biomaterials*. 30: 3075-3083. <http://dx.doi.org/10.1016/j.biomaterials.2009.02.015>.
- Danila, I; Riobé, F; Piron, F; Puigmartí-Luis, J; Wallis, JD; Linares, M; Ågren, H; Beljonne, D; Amabilino, DB; Avarvari, N. (2011). Hierarchical chiral expression from the nano- to mesoscale in synthetic supramolecular helical fibers of a nonamphiphilic C₃-symmetrical π -functional molecule. *J Am Chem Soc*. 133: 8344-8353. <http://dx.doi.org/10.1021/ja202211k>.
- Darensbourg, DJ; Karroonirun, O; Wilson, SJ. (2011). Ring-opening polymerization of cyclic esters and trimethylene carbonate catalyzed by aluminum half-salen complexes. *Inorg Chem*. 50: 6775-6787. <http://dx.doi.org/10.1021/ic2008057>.
- Dargaville, BL; Vaquette, C; Rasoul, F; Cooper-White, JJ; Campbell, JH; Whittaker, AK. (2013). Electrospinning and crosslinking of low-molecular-weight poly(trimethylene carbonate-co-(L)-lactide) as an elastomeric scaffold for vascular engineering. *Acta Biomater*. 9: 6885-6897. <http://dx.doi.org/10.1016/j.actbio.2013.02.009>.
- Dario Arrua, R; Nordborg, A; Haddad, PR; Hilder, EF. (2013). Monolithic cryopolymers with embedded nanoparticles. I. Capillary liquid chromatography of proteins using neutral embedded nanoparticles. *J Chromatogr A*. 1273: 26-33. <http://dx.doi.org/10.1016/j.chroma.2012.10.068>.

Human Health Hazard Literature Search Results

Off Topic

- Darwiche, R; Kelleher, A; Hudspeth, EM; Schneiter, R; Asojo, OA. (2016). Structural and functional characterization of the CAP domain of pathogen-related yeast 1 (Pry1) protein. *Sci Rep.* 6: 28838. <http://dx.doi.org/10.1038/srep28838>.
- D'Auria, I; Lamberti, M; Mazzeo, M; Milione, S; Roviello, G; Pellicchia, C. (2012). Coordination chemistry and reactivity of zinc complexes supported by a phosphido pincer ligand. *Chemistry.* 18: 2349-2360. <http://dx.doi.org/10.1002/chem.201102414>.
- Davarani, SSH; Masoomi, L; Banitaba, MH; Zhad, HRL, Z; Sadeghi, O; Samiei, A. (2012). A New Aluminium Hydroxide Coating on Fused Silica Fiber for the Determination of 1,4-Dioxane in Surfactants and Detergents Using HS-SPME-GC. *Chromatographia.* 75: 371-377. <http://dx.doi.org/10.1007/s10337-012-2213-9>.
- de Almeida, VF; Liu, H; Herwig, KW; Kidder, MK. (2016). Neutron Scattering of Residual Hydrogen in 1,4-Dioxane-d8 Liquid: Understanding Measurements with Molecular Dynamics Simulations. *J Phys Chem B.* 120: 5455-5469. <http://dx.doi.org/10.1021/acs.jpcc.6b00872>.
- de Groot, A; White, IR; Flyvholm, MA; Lensen, G; Coenraads, PJ. (2010). Formaldehyde-releasers in cosmetics: relationship to formaldehyde contact allergy. Part 2. Patch test relationship to formaldehyde contact allergy, experimental provocation tests, amount of formaldehyde released, and assessment of risk to consumers allergic to formaldehyde [Review]. *Contact Derm.* 62: 18-31. <http://dx.doi.org/10.1111/j.1600-0536.2009.01631.x>.
- de Groot, AC; Veenstra, M. (2010). Formaldehyde-releasers in cosmetics in the USA and in Europe. *Contact Derm.* 62: 221-224. <http://dx.doi.org/10.1111/j.1600-0536.2009.01623.x>.
- de Groot, AC; White, IR; Flyvholm, MA; Lensen, G; Coenraads, PJ. (2010). Formaldehyde-releasers in cosmetics: relationship to formaldehyde contact allergy. Part 1. Characterization, frequency and relevance of sensitization, and frequency of use in cosmetics [Review]. *Contact Derm.* 62: 2-17. <http://dx.doi.org/10.1111/j.1600-0536.2009.01615.x>.
- de La Calle Arregui, C; Purdie, JA; Haslam, CA; Law, RV; Sanderson, JM. (2016). Optimised conditions for the synthesis of (17)O and (18)O labelled cholesterol. *Chem Phys Lipids.* 195: 58-62. <http://dx.doi.org/10.1016/j.chemphyslip.2015.12.003>.
- de la Portilla, F; Rada, R; Jiménez-Rodríguez, R; Díaz-Pavón, JM; Sánchez-Gil, JM. (2011). Evaluation of a new synthetic plug in the treatment of anal fistulas: results of a pilot study. *Dis Colon Rectum.* 54: 1419-1422. <http://dx.doi.org/10.1097/DCR.0b013e31822c4d59>.
- de la Puerta, B; Parsons, KJ; Draper, ER; Moores, AL; Moores, AP. (2011). In vitro comparison of mechanical and degradation properties of equivalent absorbable suture materials from two different manufacturers. 40: 223-227. <http://dx.doi.org/10.1111/j.1532-950X.2010.00768.x>.
- Dechene, M; Wink, G; Smith, M; Swartz, P; Mattos, C. (2009). Multiple solvent crystal structures of ribonuclease A: An assessment of the method. *Protein Struct Funct Genet.* 76: 861-881. <http://dx.doi.org/10.1002/prot.22393>.
- Deepa, HR; Thipperudrappa, J; Suresh Kumar, HM. (2013). Effect of solvents on the spectroscopic properties of LD-489 & LD-473: estimation of ground and excited state dipole moments by solvatochromic shift method. *Spectrochim Acta A Mol Biomol Spectrosc.* 108: 288-294. <http://dx.doi.org/10.1016/j.saa.2013.01.084>.
- del Barrio, J; Oriol, L; Sánchez, C; Serrano, JL; Di Cicco, A; Keller, P; Li, MH. (2010). Self-assembly of linear-dendritic diblock copolymers: from nanofibers to polymersomes. *J Am Chem Soc.* 132: 3762-3769. <http://dx.doi.org/10.1021/ja9083946>.
- Del Bello, F; Bonifazi, A; Giannella, M; Giorgioni, G; Piergentili, A; Petrelli, R; Cifani, C; Micioni Di Bonaventura, MV; Keck, TM; Mazzolari, A; Vistoli, G; Cilia, A; Poggesi, E; Matucci, R; Quaglia, W. (2017). The replacement of the 2-methoxy substituent of N-((6,6-diphenyl-1,4-dioxan-2-yl)methyl)-2-(2-methoxyphenoxy)ethan-1-amine improves the selectivity for 5-HT1A receptor over α 1-adrenoceptor and D2-like receptor subtypes. *Eur J Med Chem.* 125: 233-244. <http://dx.doi.org/10.1016/j.ejmech.2016.09.026>.
- Del Bello, F; Sakloth, F; Partilla, JS; Baumann, MH; Glennon, RA. (2015). Ethylenedioxy homologs of N-methyl-(3,4-methylenedioxyphenyl)-2-aminopropane (MDMA) and its corresponding cathinone analog methylenedioxyamphetaminone: Interactions with transporters for serotonin, dopamine, and norepinephrine. *Bioorg Med Chem.* 23: 5574-5579. <http://dx.doi.org/10.1016/j.bmc.2015.07.035>.
- Demina, TS; Akopova, TA; Vladimirov, LV; Zelenetskii, AN; Markvicheva, EA; Grandfils, C, h. (2016). Polylactide-based microspheres prepared using solid-state copolymerized chitosan and d,l-lactide. *Mater Sci Eng C.* 59: 333-338. <http://dx.doi.org/10.1016/j.msec.2015.09.094>.
- Dennerlein, K; Jäger, T; Göen, T; Kilo, S; Schaller, KH; Drexler, H; Korinth, G. (2015). Evaluation of the effect of skin cleaning procedures on the dermal absorption of chemicals. *Toxicol In Vitro.* 29: 828-833. <http://dx.doi.org/10.1016/j.tiv.2015.03.001>.
- Dennerlein, K; Schneider, D; Göen, T; Schaller, KH; Drexler, H; Korinth, G. (2013). Studies on percutaneous penetration of chemicals - Impact of storage conditions for excised human skin. *Toxicol In Vitro.* 27: 708-713. <http://dx.doi.org/10.1016/j.tiv.2012.11.016>.
- Derwin, KA; Codsí, MJ; Milks, RA; Baker, AR; Mccarron, JA; Iannotti, JP. (2009). Rotator cuff repair augmentation in a canine model with use of a woven poly-L-lactide device. *J Bone Joint Surg Am.* 91: 1159-1171. <http://dx.doi.org/10.2106/JBJS.H.00775>.
- Dettenmaier, EM; Doucette, WJ; Bugbee, B. (2009). Chemical hydrophobicity and uptake by plant roots. *Environ Sci Technol.* 43: 324-329. <http://dx.doi.org/10.1021/es801751x>.
- Dettmer, A; Ball, R; Boving, TB; Khan, NA; Schaub, T; Sudasinghe, N; Fernandez, CA; Carroll, KC. (2017). Stabilization and prolonged reactivity of aqueous-phase ozone with cyclodextrin. *J Contam Hydrol.* 196: 1-9. <http://dx.doi.org/10.1016/j.jconhyd.2016.11.003>.
- Devi, KVS; Raju, BR; Rao, GN. (2010). Speciation of binary complexes of Ca(II), Mg(II) and Zn(II) with L-dopa in dioxane-water mixtures. *Chem Speciation Bioavailability.* 22: 191-199. <http://dx.doi.org/10.3184/095422910X12829312795432>.
- Di Prospero, NA; Gambale, JJ; Pandina, G; Ford, L; Girgis, S; Moyer, JA; Xi, L; Nye, JS; Kasteleijn-Nolst Trenité, D. (2014). Evaluation of JNJ-26489112 in patients with photosensitive epilepsy: a placebo-controlled, exploratory study. *Epilepsy Res.* 108: 709-716. <http://dx.doi.org/10.1016/j.epilepsyres.2014.01.018>.
- Díaz, A; Del Valle, L; Franco, S; Sarasua, JR; Estrany, F; Puiggalí, J. (2014). Anhydric maleic functionalization and polyethylene glycol grafting of lactide-co-trimethylene carbonate copolymers. *Mater Sci Eng C.* 42: 517-528. <http://dx.doi.org/10.1016/j.msec.2014.05.069>.
- Dilek, O; Bane, SL. (2011). Synthesis and spectroscopic characterization of fluorescent boron dipyrromethene-derived hydrazones. *J Fluoresc.* 21: 347-354. <http://dx.doi.org/10.1007/s10895-010-0723-0>.

Human Health Hazard Literature Search Results

Off Topic

- Ding, F; Lu, Z; Zou, R; Zhang, Y; Guo, Q; Li, S; Yang, J. (2011). Evaluation of a novel paclitaxel-eluting stent with a bioabsorbable polymeric surface coating in the porcine artery injury model. *Acta Cardiol.* 66: 765-772. <http://dx.doi.org/10.2143/AC.66.6.2136961>.
- Ding, R; Huang, C; Lu, J; Wang, J; Song, C; Wu, J; Hou, H; Fan, Y. (2015). Solvent templates induced porous metal-organic materials: conformational isomerism and catalytic activity. *Inorg Chem.* 54: 1405-1413. <http://dx.doi.org/10.1021/ic502369y>.
- Djaković-Sekulić, T; Perišić-Janjić, N; Djurendi, E. (2009). Retention data from reverse-phase high-performance thin-layer chromatography in characterization of some bis-salicylic acid derivatives. *Biomed Chromatogr.* 23: 881-887. <http://dx.doi.org/10.1002/bmc.1200>.
- Djurendić, EA; Ajduković, JJ; Sakač, MN; Csanádi, JJ; Kojić, VV; Bogdanović, GM; Penov Gaši, KM. (2012). Synthesis and cytotoxic activity of some 17-picolyl and 17-picolinylidene androstane derivatives. *Eur J Med Chem.* 54: 784-792. <http://dx.doi.org/10.1016/j.ejmech.2012.06.030>.
- Donati, L; Leproux, P; Prost, E; Michel, S; Tillequin, F; Gandon, V; Porée, FH. (2011). Solvent/base effects in the selective domino synthesis of phenanthridinones that involves high-valent palladium species: experimental and theoretical studies. *Chemistry.* 17: 12809-12819. <http://dx.doi.org/10.1002/chem.201101354>.
- Dong, F; Xu, C; Tong, X; Wang, X; Song, F, ei; Wang, Y, uZ. (2013). Thermodynamics and kinetics of Novozym 435 catalyzed ring-opening polymerization of 1,4-dioxan-2-one. *Journal of Molecular Catalysis B: Enzymatic.* 96: 40-45. <http://dx.doi.org/10.1016/j.molcatb.2013.06.004>.
- Dong, F; Zhang, L, ei; Tong, X; Chen, HB; Wang, X; Wang, Y, uZ. (2012). Ionic liquid coated lipase: Green synthesis of high molecular weight poly(1,4-dioxan-2-one). *Journal of Molecular Catalysis B: Enzymatic.* 77: 46-52. <http://dx.doi.org/10.1016/j.molcatb.2012.01.006>.
- Dosani, A; Khan, SK; Gray, S; Joseph, S; Whittaker, IA. (2013). Clinical outcome and cost comparison of carpal tunnel wound closure with monocryl and ethilon: a prospective study. 18: 189-192. <http://dx.doi.org/10.1142/S0218810413500226>.
- Dotsenko, VV; Frolov, KA; Pekhtereva, TM; Papaianina, OS; Suykov, SY; Krivokolysko, SG. (2014). Design and synthesis of pyrido[2,1-b][1,3,5]thiadiazine library via uncatalyzed Mannich-type reaction. 16: 543-550. <http://dx.doi.org/10.1021/co5000807>.
- Dovgan, I; Kolodych, S; Koniev, O; Wagner, A. (2016). 2-(Maleimidomethyl)-1,3-Dioxanes (MD): a Serum-Stable Self-hydrolysable Hydrophilic Alternative to Classical Maleimide Conjugation. *Sci Rep.* 6: 30835. <http://dx.doi.org/10.1038/srep30835>.
- Dronova, MS; Bilyachenko, AN; Yalymov, AI; Kozlov, YN; Shul'pina, LS; Korlyukov, AA; Arkhipov, DE; Levitsky, MM; Shubina, ES; Shul'pin, GB. (2014). Solvent-controlled synthesis of tetranuclear cage-like copper(II) silsesquioxanes. Remarkable features of the cage structures and their high catalytic activity in oxidation with peroxides. *Dalton Transactions (Online).* 43: 872-882. <http://dx.doi.org/10.1039/c3dt52508b>.
- du Boullay, OT; Saffon, N; Diehl, JP; Martin-Vaca, B; Bourissou, D. (2010). Organo-catalyzed ring opening polymerization of a 1,4-dioxane-2,5-dione deriving from glutamic acid. *Biomacromolecules.* 11: 1921-1929. <http://dx.doi.org/10.1021/bm100433c>.
- Du, L; Mei, X; Wang, C; Li, X; Zhang, F; Jin, Y. (2011). In-vitro/in-vivo studies of the biodegradable poly-(D,L-lactide-co-glycolide) microspheres of a novel luteinizing hormone-releasing hormone antagonist for prostate cancer treatment. *Anticancer Drugs.* 22: 262-272.
- Duan, YT; Yao, YF; Huang, W; Makawana, JA; Teraiya, SB; Thumar, NJ; Tang, DJ; Tao, XX; Wang, ZC; Jiang, AQ; Zhu, HL. (2014). Synthesis, biological evaluation, and molecular docking studies of novel 2-styryl-5-nitroimidazole derivatives containing 1,4-benzodioxan moiety as FAK inhibitors with anticancer activity. *Bioorg Med Chem.* 22: 2947-2954. <http://dx.doi.org/10.1016/j.bmc.2014.04.005>.
- Dubost, E; Dumas, N; Fossey, C; Magnelli, R; Butt-Gueulle, S; Ballandonne, C; Caignard, DH; Dulin, F; Sopkova de-Oliveira Santos, J; Millet, P; Charnay, Y; Rault, S; Cailly, T; Fabis, F. (2012). Synthesis and structure-affinity relationships of selective high-affinity 5-HT(4) receptor antagonists: application to the design of new potential single photon emission computed tomography tracers. *J Med Chem.* 55: 9693-9707. <http://dx.doi.org/10.1021/jm300943r>.
- Dubuis, E; Thompson, V; Leite, MI; Blaes, F; Maihöfner, C; Greensmith, D; Vincent, A; Shenker, N; Kuttikat, A; Leuwer, M; Goebel, A. (2014). Longstanding complex regional pain syndrome is associated with activating autoantibodies against alpha-1a adrenoceptors. *Pain.* 155: 2408-2417. <http://dx.doi.org/10.1016/j.pain.2014.09.022>.
- Duco, W; Grosso, V; Zaccari, D; Soltermann, AT. (2016). Generation of ROS mediated by mechanical waves (ultrasound) and its possible applications. *Methods.* 109: 141-148. <http://dx.doi.org/10.1016/j.jymeth.2016.07.015>.
- Duflos, G; Leduc, F; N'Guessan, A; Krzewinski, F; Kol, O; Malle, P. (2010). Freshness characterisation of whiting (*Merlangius merlangus*) using an SPME/GC/MS method and a statistical multivariate approach. *J Sci Food Agric.* 90: 2568-2575. <http://dx.doi.org/10.1002/jsfa.4122>.
- Dumas, AM; Fillion, E. (2010). Meldrum's acids and 5-alkylidene Meldrum's acids in catalytic carbon-carbon bond-forming processes. *Acc Chem Res.* 43: 440-454. <http://dx.doi.org/10.1021/ar900229z>.
- Dumele, O; Trapp, N; Diederich, F. (2015). Halogen bonding molecular capsules. *Angew Chem Int Ed Engl.* 54: 12339-12344. <http://dx.doi.org/10.1002/anie.201502960>.
- Dutot, M; Fagon, R; Hemon, M; Rat, P. (2012). Antioxidant, anti-inflammatory, and anti-senescence activities of a phlorotannin-rich natural extract from brown seaweed *Ascophyllum nodosum*. *Appl Biochem Biotechnol.* 167: 2234-2240. <http://dx.doi.org/10.1007/s12010-012-9761-1>.
- Eberle, D; Ball, R; Boving, TB. (2016). Peroxone activated persulfate treatment of 1,4-dioxane in the presence of chlorinated solvent co-contaminants. *Chemosphere.* 144: 728-735. <http://dx.doi.org/10.1016/j.chemosphere.2015.08.063>.
- Eckert, E; Gries, W; Göen, T; Leng, G. (2013). Reliable quantitation of β -hydroxyethoxyacetic acid in human urine by an isotope-dilution GC-MS procedure. *J Chromatogr B Analyt Technol Biomed Life Sci.* 935: 80-84. <http://dx.doi.org/10.1016/j.jchromb.2013.07.017>.
- Edwards, MR; Hetu, MF; Columbus, M; Silva, A; Lefebvre, DD. (2011). The effect of ethylene glycol on the phytovolatilization of 1,4-dioxane. *Int J Phytoremediation.* 13: 702-716. <http://dx.doi.org/10.1080/15226514.2010.525553>.

Human Health Hazard Literature Search Results

Off Topic

- Efthimiou, M; Symeonidis, D; Koukoulis, G; Tepetes, K; Zacharoulis, D; Tzouvaras, G. (2011). Open inguinal hernia repair with the use of a polyglycolic acid-trimethylene carbonate absorbable mesh: a pilot study. *Hernia*. 15: 181-184. <http://dx.doi.org/10.1007/s10029-010-0765-x>.
- Egami, H; Usui, Y; Kawamura, S; Nagashima, S; Sodeoka, M. (2015). Product Control in Alkene Trifluoromethylation: Hydrotrifluoromethylation, Vinylic Trifluoromethylation, and Iodotrifluoromethylation using Togni Reagent. *Chem Asian J*. 10: 2190-2199. <http://dx.doi.org/10.1002/asia.201500359>.
- Eggers, MD; Reitman, CA. (2012). In vitro analysis of polymer candidates for the development of absorbable vascular filters. 23: 1023-1030. <http://dx.doi.org/10.1016/j.jvir.2012.05.039>.
- Eichenbaum, G; Zhou, J; Kelley, MF; Roosen, W; Costa-Giomi, P; Loudon, C; Di Prospero, NA; Pandina, G; Singh, JB; Ford, L; Moyer, JA; Nork, TM; Ver Hoeve, JN; Aguirre, GD. (2014). Implications of retinal effects observed in chronic toxicity studies on the clinical development of a CNS-active drug candidate. *Regul Toxicol Pharmacol*. 69: 187-200. <http://dx.doi.org/10.1016/j.yrtph.2014.03.005>.
- El Maatougui, A; Azuaje, J; Coelho, A; Cano, E; Yañez, M; López, C; Yaziji, V; Carbajales, C; Sotelo, E. (2012). Discovery and preliminary SAR of 5-arylidene-2,2-dimethyl-1,3-dioxane-4,6-diones as platelet aggregation inhibitors. *Comb Chem High Throughput Screen*. 15: 551-554.
- El-Daly, SA; Alamry, KA. (2016). Spectroscopic Investigation and Photophysics of a D- π -A- π -D Type Styryl Pyrazine Derivative. *J Fluoresc*. 26: 163-176. <http://dx.doi.org/10.1007/s10895-015-1698-7>.
- El-Gaby, MS; El-Hag Ali, GA; El-Maghraby, AA; Abd El-Rahman, MT; Helal, MH. (2009). Synthesis, characterization and in vitro antimicrobial activity of novel 2-thioxo-4-thiazolidinones and 4,4'-bis(2-thioxo-4-thiazolidinone-3-yl)diphenylsulfones. *Eur J Med Chem*. 44: 4148-4152. <http://dx.doi.org/10.1016/j.ejmech.2009.05.005>.
- El-Gahami, MA; Albishri, HM. (2013). Equilibrium Studies of Dibutyltin(IV)-Zwitterionic Buffer Complexation. *Journal of Solution Chemistry*. 42: 2012-2024. <http://dx.doi.org/10.1007/s10953-013-0088-5>.
- El-Gammal, OA; Abu El-Reash, GM; El-Gamil, MM. (2012). Binuclear copper(II), cobalt(II) and nickel(II) complexes of N1-ethyl-N2-(pyridin-2-yl)hydrazine-1,2-bis(carbothioamide): structural, spectral, pH-metric and biological studies. *Spectrochim Acta A Mol Biomol Spectrosc*. 96: 444-455. <http://dx.doi.org/10.1016/j.saa.2012.05.046>.
- El-Gammal, OA; Abu El-Reash, GM; El-Gamil, MM. (2014). Structural, spectral, pH-metric and biological studies on mercury (II), cadmium (II) and binuclear zinc (II) complexes of NS donor thiosemicarbazide ligand. *Spectrochim Acta A Mol Biomol Spectrosc*. 123: 59-70. <http://dx.doi.org/10.1016/j.saa.2013.12.034>.
- Elmussareh, M; Simms, MS. (2009). A technique for knotting looped polydioxane during abdominal wound closure. *Ann R Coll Surg Engl*. 91: 714. <http://dx.doi.org/10.1308/rcsann.2009.91.8.714a>.
- Eltchaninoff, H; Durand, E; Borz, B; Godin, M; Tron, C; Litzler, PY; Bessou, JP; Bejar, K; Fraccaro, C; Sanchez-Giron, C; Dacher, JN; Bauer, F; Cribier, A. (2012). Prospective analysis of 30-day safety and performance of transfemoral transcatheter aortic valve implantation with Edwards SAPIEN XT versus SAPIEN prostheses. *Arch Cardiovasc Dis*. 105: 132-140. <http://dx.doi.org/10.1016/j.acvd.2012.02.002>.
- El-Zoghbi, I; Whitehorne, TJ; Schaper, F. (2013). Exceptionally high lactide polymerization activity of zirconium complexes with bridged diketiminate ligands. *Dalton Transactions (Online)*. 42: 9376-9387. <http://dx.doi.org/10.1039/c2dt31761c>.
- Endogan, T; Ozyaylali, I; Kulacoglu, H; Serbetci, K; Kiyak, G; Hasirci, N. (2013). EFFECTS OF ETHYLENE OXIDE RESTERILISATION AND IN-VITRO DEGRADATION ON MECHANICAL PROPERTIES OF PARTIALLY ABSORBABLE COMPOSITE HERNIA MESHES. *East Afr Med J*. 90: 195-201.
- Engelbrecht, I; Petzer, JP; Petzer, A. (2015). The synthesis and evaluation of sesamol and benzodioxane derivatives as inhibitors of monoamine oxidase. 25: 1896-1900. <http://dx.doi.org/10.1016/j.bmcl.2015.03.040>.
- Enzmann, H; Kühlem, C; Löser, E; Bannasch, P. (1995). Dose dependence of diethylnitrosamine-induced nuclear enlargement in embryonal turkey liver. *Carcinogenesis*. 16: 1351-1355. <http://dx.doi.org/10.1093/carcin/16.6.1351>.
- Erb, W; Neuville, L; Zhu, J. (2009). Ugi-post functionalization, from a single set of ugi-adducts to two distinct heterocycles by microwave-assisted palladium-catalyzed cyclizations: tuning the reaction pathways by ligand switch. *J Org Chem*. 74: 3109-3115. <http://dx.doi.org/10.1021/jo900210x>.
- Ercolani, E; Del Gaudio, C; Bianco, A. (2015). Vascular tissue engineering of small-diameter blood vessels: reviewing the electrospinning approach [Review]. *J Tissue Eng Regen Med*. 9: 861-888. <http://dx.doi.org/10.1002/term.1697>.
- Everhart, SC; Jayasundara, UK; Kim, H; Procúpez-Schtirbu, R; Stanbery, WA; Mishler, CH; Frost, BJ; Cline, JI; Bell, TW. (2016). Synthesis and Photoisomerization of Substituted Dibenzofulvene Molecular Rotors. *Chemistry*. 22: 11291-11302. <http://dx.doi.org/10.1002/chem.201600854>.
- EWG. (2012). EWG research shows 22 percent of all cosmetics may be contaminated with cancer-causing impurity [Website]. Retrieved from <http://www.ewg.org/news/news-releases/2007/02/08/ewg-research-shows-22-percent-all-cosmetics-may-be-contaminated-cancer>
- Fabregat, G; Casanovas, J; Redondo, E; Armelin, E; Alemán, C. (2014). A rational design for the selective detection of dopamine using conducting polymers. *Phys Chem Chem Phys*. 16: 7850-7861. <http://dx.doi.org/10.1039/c4cp00234b>.
- Faedo, S; Perdonà, E; Antolini, M; di Fabio, R; Merlo Pich, E; Corsi, M. (2012). Functional and binding kinetic studies make a distinction between OX1 and OX2 orexin receptor antagonists. *Eur J Pharmacol*. 692: 1-9. <http://dx.doi.org/10.1016/j.ejphar.2012.07.007>.
- Falco, EE; Coates, EE; Li, E; Roth, JS; Fisher, JP. (2011). Fabrication and characterization of porous EH scaffolds and EH-PEG bilayers. *J Biomed Mater Res A*. 97: 264-271. <http://dx.doi.org/10.1002/jbm.a.33052>.
- Falco, EE; Wang, MO; Thompson, JA; Chetta, JM; Yoon, DM; Li, EZ; Kulkarni, MM; Shah, S; Pandit, A; Roth, JS; Fisher, JP. (2011). Porous EH and EH-PEG scaffolds as gene delivery vehicles to skeletal muscle. *Pharm Res*. 28: 1306-1316. <http://dx.doi.org/10.1007/s11095-010-0358-5>.
- Falentin-Daudre, C; Beaupère, D; Stasik-Boutbaiba, I. (2010). Synthesis of new N-substituted 3,4,5-trihydropiperidin-2-ones from d-ribo-1,4-lactone. *Carbohydr Res*. 345: 1983-1987. <http://dx.doi.org/10.1016/j.carres.2010.07.005>.

Human Health Hazard Literature Search Results

Off Topic

- Fan, RR; Zhou, LX; Song, W; Li, d; Zhang, DM; Ye, R; Zheng, Y; Guo, G. (2013). Preparation and properties of g-TTCP/PBS nanocomposites and its in vitro biocompatibility assay. *Int J Biol Macromol*. 59: 227-234. <http://dx.doi.org/10.1016/j.ijbiomac.2013.04.051>.
- Fang, B; Walther, A; Wolf, A; Xu, Y; Yuan, J; Müller, AH. (2009). Undulated multicompartiment cylinders by the controlled and directed stacking of polymer micelles with a compartmentalized corona. *Angew Chem Int Ed Engl*. 48: 2877-2880. <http://dx.doi.org/10.1002/anie.200806051>.
- Farajzadeh, M, irAli; Nassiry, P; Mogaddam, MRA. (2016). Development of a New Dynamic Headspace Liquid-Phase Microextraction Method. *Chromatographia*. 79: 773-779. <http://dx.doi.org/10.1007/s10337-016-3095-z>.
- Faraldos, JA; Coates, RM; Giner, JL. (2013). Alternative synthesis of the Colorado potato beetle pheromone. *J Org Chem*. 78: 10548-10554. <http://dx.doi.org/10.1021/jo4017056>.
- Farghaly, TA; Abdallah, MA; Aziz, MR. (2012). Synthesis and antimicrobial activity of some new 1,3,4-thiadiazole derivatives. *Molecules*. 17: 14625-14636. <http://dx.doi.org/10.3390/molecules171214625>.
- Farghaly, TA; Abdallah, MA; Masaret, GS; Muhammad, ZA. (2015). New and efficient approach for synthesis of novel bioactive [1,3,4]thiadiazoles incorporated with 1,3-thiazole moiety. *Eur J Med Chem*. 97: 320-333. <http://dx.doi.org/10.1016/j.ejmech.2015.05.009>.
- Fasoli, E; Ferrer, A; Barletta, GL. (2009). Hydrogen/deuterium exchange study of subtilisin Carlsberg during prolonged exposure to organic solvents. *Biotechnol Bioeng*. 102: 1025-1032. <http://dx.doi.org/10.1002/bit.22147>.
- Fattorusso, C; Persico, M; Basilico, N; Taramelli, D; Fattorusso, E; Scala, F; Tagliatalata-Scafati, O. (2011). Antimalarials based on the dioxane scaffold of plakortin. A concise synthesis and SAR studies. *Bioorg Med Chem*. 19: 312-320. <http://dx.doi.org/10.1016/j.bmc.2010.11.014>.
- Fattorusso, C; Persico, M; Calcinaï, B; Cerrano, C; Parapini, S; Taramelli, D; Novellino, E; Romano, A; Scala, F; Fattorusso, E; Tagliatalata-Scafati, O. (2010). Manadoperoxides A-D from the Indonesian sponge *Plakortis* cfr. *simplex*. Further insights on the structure-activity relationships of simple 1,2-dioxane antimalarials. *J Nat Prod*. 73: 1138-1145. <http://dx.doi.org/10.1021/np100196b>.
- Favero, L; Marchetti, F; Pampaloni, G; Zacchini, S. (2014). The interaction of molybdenum pentachloride with O- and S-heterocycles. *Dalton Transactions (Online)*. 43: 495-504. <http://dx.doi.org/10.1039/c3dt52271g>.
- FDA. (2006). Food additives permitted for direct addition to food for human consumption; glycerides and polyglycerides (pp. 75-76). (21 CFR 172.736). Food and Drug Administration. http://edocket.access.gpo.gov/cfr_2006/aprqr/pdf/21cfr172.736.pdf.
- Fedushkin, IL; Makarov, VM; Sokolov, VG; Fukin, GK. (2009). Acenaphthene-1,2-diimine chromium complexes. *Dalton Trans* 8047-8053. <http://dx.doi.org/10.1039/b909814c>.
- Feng, E; Huang, H; Zhou, Y; Ye, D; Jiang, H; Liu, H. (2010). Metal-free synthesis of 2-substituted (N, O, C) benzothiazoles via an intramolecular C-S bond formation. *J Comb Chem*. 12: 422-429. <http://dx.doi.org/10.1021/cc9001839>.
- Feng, Q; Jiang, W; Sun, K; Sun, K; Chen, S; Zhao, L; Dai, K; Ma, N. (2011). Mechanical properties and in vivo performance of a novel sliding-lock bioabsorbable poly-p-dioxanone stent. *J Mater Sci Mater Med*. 22: 2319-2327. <http://dx.doi.org/10.1007/s10856-011-4407-3>.
- Feng, Y; Davis, RA; Sykes, M; Avery, VM; Camp, D; Quinn, RJ. (2010). Antitrypanosomal cyclic polyketide peroxides from the Australian marine sponge *Plakortis* sp. *J Nat Prod*. 73: 716-719. <http://dx.doi.org/10.1021/np900535z>.
- Fernández, I; Robert, A. (2011). Peroxide bond strength of antimalarial drugs containing an endoperoxide cycle. Relation with biological activity. *Org Biomol Chem*. 9: 4098-4107. <http://dx.doi.org/10.1039/c1ob05088e>.
- Fernandez-Alvarez, M; Lamas, JP; Sanchez-Prado, L; Llopart, M; Garcia-Jares, C; Lores, M. (2010). Development of a solid-phase microextraction gas chromatography with microelectron-capture detection method for the determination of 5-bromo-5-nitro-1,3-dioxane in rinse-off cosmetics. *J Chromatogr A*. 1217: 6634-6639. <http://dx.doi.org/10.1016/j.chroma.2010.04.027>.
- Fernández-Lodeiro, J; Núñez, C; de Castro, CS; Bértolo, E; Seixas de Melo, JS; Capelo, JL; Lodeiro, C. (2013). Steady-state and time-resolved investigations on pyrene-based chemosensors. *Inorg Chem*. 52: 121-129. <http://dx.doi.org/10.1021/ic301365y>.
- Ferro, AM; Kennedy, J; Larue, JC. (2013). Phytoremediation of 1,4-dioxane-containing recovered groundwater. *Int J Phytoremediation*. 15: 911-923. <http://dx.doi.org/10.1080/15226514.2012.687018>.
- Ferro, AM; Tammi, CE. (2009). Field note: irrigation of tree stands with groundwater containing 1,4-dioxane. *Int J Phytoremediation*. 11: 425-440. <http://dx.doi.org/10.1080/15226510802655914>.
- Finnema, SJ; Hughes, ZA; Haaparanta-Solin, M; Stepanov, V; Nakao, R; Varnäs, K; Varrone, A; Arponen, E; Marjamäki, P; Pohjanoksa, K; Vuorilehto, L; Babalola, PA; Solin, O; Grimwood, S; Sallinen, J; Farde, L; Scheinin, M; Halldin, C. (2014). Amphetamine decreases α 2C-adrenoceptor binding of [11C]ORM-13070: a PET study in the primate brain. *Int J Neuropsychopharmacol*. 18. <http://dx.doi.org/10.1093/ijnp/pyu081>.
- Fliedel, C; Rosa, V; Alves, FM; Martins, AM; Avilés, T; Dagorne, S. (2015). P,O-Phosphinophenolate zinc(II) species: synthesis, structure and use in the ring-opening polymerization (ROP) of lactide, ϵ -caprolactone and trimethylene carbonate. *Dalton Transactions (Online)*. 44: 12376-12387. <http://dx.doi.org/10.1039/c5dt00458f>.
- Fogarty, AC; Jones, AC; Camp, PJ. (2011). Extraction of lifetime distributions from fluorescence decays with application to DNA-base analogues. *Phys Chem Chem Phys*. 13: 3819-3830. <http://dx.doi.org/10.1039/c0cp01779e>.
- Fortaleza, EA; Scopinho, AA; Corrêa, FM. (2011). Cardiovascular responses to microinjection of noradrenaline into the medial amygdaloid nucleus of conscious rats result from α 2-receptor activation and vasopressin release. *Eur J Neurosci*. 33: 1677-1684. <http://dx.doi.org/10.1111/j.1460-9568.2011.07655.x>.
- Fortaleza, EA; Scopinho, AA; de Aguiar Corrêa, FM. (2012). α 1 and α 2-adrenoceptors in the medial amygdaloid nucleus modulate differently the cardiovascular responses to restraint stress in rats. *Pharmacol Res*. 66: 154-162. <http://dx.doi.org/10.1016/j.phrs.2012.04.004>.
- Forti, FL; Bet, MR; Goissis, G; Plepis, AM. (2011). 1,4-Dioxane enhances properties and biocompatibility of polyanionic collagen for tissue engineering applications. *J Mater Sci Mater Med*. 22: 1901-1912. <http://dx.doi.org/10.1007/s10856-011-4358-8>.

Human Health Hazard Literature Search Results

Off Topic

- Franke, C; Studinger, G; Berger, G; Böhlting, S; Bruckmann, U; Cohors-Fresenborg, D; Jöhncke, U. (1994). The assessment of bioaccumulation. *Chemosphere*. 29: 1501-1514. [http://dx.doi.org/10.1016/0045-6535\(94\)90281-X](http://dx.doi.org/10.1016/0045-6535(94)90281-X).
- Freitas, AA; Macanita, AAL; Quina, FH. (2013). Improved analysis of excited state proton transfer kinetics by the combination of standard and convolution methods. *Photochem Photobiol Sci*. 12: 902-910. <http://dx.doi.org/10.1039/c3pp25445c>.
- Freitas, AA; Quina, FH; Maçanita, AA. (2011). Picosecond dynamics of proton transfer of a 7-hydroxyflavylium salt in aqueous-organic solvent mixtures. *J Phys Chem A*. 115: 10988-10995. <http://dx.doi.org/10.1021/jp2069754>.
- Freitas, AA; Quina, FH; Maçanita, AA. (2014). Femtosecond and temperature-dependent picosecond dynamics of ultrafast excited-state proton transfer in water-dioxane mixtures. *J Phys Chem A*. 118: 10448-10455. <http://dx.doi.org/10.1021/jp504189m>.
- Frydrych, M; Román, S; Macneil, S; Chen, B. (2015). Biomimetic poly(glycerol sebacate)/poly(L-lactic acid) blend scaffolds for adipose tissue engineering. *Acta Biomater*. 18: 40-49. <http://dx.doi.org/10.1016/j.actbio.2015.03.004>.
- Fu, Q; Shou, M; Chien, D; Markovich, R; Rustum, AM. (2010). Development and validation of a stability-indicating RP-HPLC method for assay of betamethasone and estimation of its related compounds. *J Pharm Biomed Anal*. 51: 617-625. <http://dx.doi.org/10.1016/j.jpba.2009.09.034>.
- Fujii, H; Watanabe, A; Nemoto, T; Narita, M; Miyoshi, K; Nakamura, A; Suzuki, T; Nagase, H. (2009). Synthesis of novel twin drug consisting of 8-oxaendoethanotetrahydromorphides with a 1,4-dioxane spacer and its pharmacological activities: mu, kappa, and putative epsilon opioid receptor antagonists. 19: 438-441. <http://dx.doi.org/10.1016/j.bmcl.2008.11.050>.
- Fujii, T; Terao, K; Tsuda, M; Kitamura, S; Norisuye, T. (2009). Solvent-dependent conformation of amylose tris(phenylcarbamate) as deduced from scattering and viscosity data. *Biopolymers*. 91: 729-736. <http://dx.doi.org/10.1002/bip.21219>.
- Fujinaga, S; Hashimito, M; Tsukagoshi, K. (2015). Investigation of the Composition for a Ternary Solvent System in Tube Radial Distribution Chromatography. *Journal of Liquid Chromatography and Related Technologies*. 38: 600-606. <http://dx.doi.org/10.1080/10826076.2014.922478>.
- Fukunaga, S; Ueno, H; Yamaguchi, T; Yano, Y; Hoshino, M; Matsuzaki, K. (2012). GM1 cluster mediates formation of toxic A β fibrils by providing hydrophobic environments. *Biochemistry*. 51: 8125-8131. <http://dx.doi.org/10.1021/bi300839u>.
- Fukushima, K. (2016). Poly(trimethylene carbonate)-based polymers engineered for biodegradable functional biomaterials [Review]. 4: 9-24. <http://dx.doi.org/10.1039/c5bm00123d>.
- Fukushima, RS; Kerley, MS. (2011). Use of lignin extracted from different plant sources as standards in the spectrophotometric acetyl bromide lignin method. *J Agric Food Chem*. 59: 3505-3509. <http://dx.doi.org/10.1021/jf104826n>.
- Fumagalli, L; Pallavicini, M; Budriesi, R; Bolchi, C; Canovi, M; Chiarini, A; Chiodini, G; Gobbi, M; Laurino, P; Micucci, M; Straniero, V; Valoti, E. (2013). 6-methoxy-7-benzofuranoxo and 6-methoxy-7-indolyloxy analogues of 2-[2-(2,6-Dimethoxyphenoxy)ethyl]aminomethyl-1,4-benzodioxane (WB4101):1 discovery of a potent and selective α 1D-adrenoceptor antagonist. *J Med Chem*. 56: 6402-6412. <http://dx.doi.org/10.1021/jm400867d>.
- Fumagalli, L; Pallavicini, M; Budriesi, R; Gobbi, M; Straniero, V; Zagami, M; Chiodini, G; Bolchi, C; Chiarini, A; Micucci, M; Valoti, E. (2012). Affinity and activity profiling of unichiral 8-substituted 1,4-benzodioxane analogues of WB4101 reveals a potent and selective α 1B-adrenoceptor antagonist. *Eur J Med Chem*. 58: 184-191. <http://dx.doi.org/10.1016/j.ejmech.2012.09.049>.
- Fumagalli Romario, U; Puccetti, F; Elmore, U; Massaron, S; Rosati, R. (2013). Self-gripping mesh versus staple fixation in laparoscopic inguinal hernia repair: a prospective comparison. *Surgical Endoscopy*. 27: 1798-1802. <http://dx.doi.org/10.1007/s00464-012-2683-8>.
- Fuoco, T; Finne-Wistrand, A; Pappalardo, D. (2016). A Route to Aliphatic Poly(ester)s with Thiol Pendant Groups: From Monomer Design to Editable Porous Scaffolds. *Biomacromolecules*. 17: 1383-1394. <http://dx.doi.org/10.1021/acs.biomac.6b00005>.
- Gál, A; Ducza, E; Minorics, R; Klukovits, A; Gálík, M; Falkay, G; Gáspár, R. (2009). The roles of alpha2-adrenoceptor subtypes in the control of cervical resistance in the late-pregnant rat. *Eur J Pharmacol*. 615: 193-200. <http://dx.doi.org/10.1016/j.ejphar.2009.04.067>.
- Galal, I; El-Hindawy, K. (2011). Impact of using triclosan-antibacterial sutures on incidence of surgical site infection. *Am J Surg*. 202: 133-138. <http://dx.doi.org/10.1016/j.amjsurg.2010.06.011>.
- Galangau, O; Delbaere, S; Ratel-Ramond, N; Rapenne, G; Li, R; Calupitan, JP; Nakashima, T; Kawai, T. (2016). Dual Photochemical Bond Cleavage for a Diarylethene-Based Phototrigger Containing both Methanolic and Acetic Sources. *J Org Chem*. 81: 11282-11290. <http://dx.doi.org/10.1021/acs.joc.6b02256>.
- Galli, C; Gentili, P; Jolival, C; Madzak, C; Vadalà, R. (2011). How is the reactivity of laccase affected by single-point mutations? Engineering laccase for improved activity towards sterically demanding substrates. *Appl Microbiol Biotechnol*. 91: 123-131. <http://dx.doi.org/10.1007/s00253-011-3240-4>.
- Galve, I; Puig de la Bellacasa, R; Sánchez-García, D; Batllori, X; Teixidó, J; Borrell, JI. (2012). Synthesis of 2-arylamino substituted 5,6-dihydropyrido[2,3-d]pyrimidine-7(8H)-ones from arylguanidines. *Mol Divers*. 16: 639-649. <http://dx.doi.org/10.1007/s11030-012-9398-6>.
- Gao, B; Duan, R; Pang, X; Li, X; Qu, Z; Shao, H; Wang, X; Chen, X. (2013). Zinc complexes containing asymmetrical N,N,O-tridentate ligands and their application in lactide polymerization. *Dalton Transactions (Online)*. 42: 16334-16342. <http://dx.doi.org/10.1039/c3dt52016a>.
- Gao, BW; Wang, XH; Liu, X; Shi, SP; Tu, PF. (2015). Rapid preparation of (methyl)malonyl coenzyme A and enzymatic formation of unusual polyketides by type III polyketide synthase from *Aquilaria sinensis*. 25: 1279-1283. <http://dx.doi.org/10.1016/j.bmcl.2015.01.045>.
- Garric, X; Guillaume, O; Dabboue, H; Vert, M; Molès, JP. (2012). Potential of a PLA-PEO-PLA-based scaffold for skin tissue engineering: in vitro evaluation. *J Biomater Sci Polym Ed*. 23: 1687-1700. <http://dx.doi.org/10.1163/092050611X590912>.
- Gartti-Jardim, EC; de Souza, AP; Carvalho, AC; Pereira, CC; Okamoto, R; Magro Filho, O. (2013). Comparative study of the healing process when using Vicryl®, Vicryl Rapid®, Vicryl Plus®, and Monocryl® sutures in the rat dermal tissue. *Oral Maxillofac Surg*. 17: 293-298. <http://dx.doi.org/10.1007/s10006-012-0380-3>.

Human Health Hazard Literature Search Results

Off Topic

- Gaskell, BA. (1990). Nonneoplastic changes in the olfactory epithelium-- experimental studies [Review]. *Environ Health Perspect.* 85: 275-289.
- Gedalanga, PB; Pornwongthong, P; Mora, R; Chiang, SY; Baldwin, B; Ogles, D; Mahendra, S. (2014). Identification of biomarker genes to predict biodegradation of 1,4-dioxane. *Appl Environ Microbiol.* 80: 3209-3218. <http://dx.doi.org/10.1128/AEM.04162-13>.
- Geibel, I; Dierks, A; Schmidtman, M; Christoffers, J. (2016). Formation of δ -Lactones by Cerium-Catalyzed, Baeyer-Villiger-Type Coupling of β -Oxoesters, Enol Acetates, and Dioxygen. *J Org Chem.* 81: 7790-7798. <http://dx.doi.org/10.1021/acs.joc.6b01441>.
- Gemma, S; Kunjir, S; Coccone, SS; Brindisi, M; Moretti, V; Brogi, S; Novellino, E; Basilico, N; Parapini, S; Taramelli, D; Campiani, G; Butini, S. (2011). Synthesis and antiplasmodial activity of bicyclic dioxanes as simplified dihydroplakortin analogues. *J Med Chem.* 54: 5949-5953. <http://dx.doi.org/10.1021/jm200686d>.
- George, J; Deringer, VL; Dronskowski, R. (2014). Cooperativity of halogen, chalcogen, and pnictogen bonds in infinite molecular chains by electronic structure theory. *J Phys Chem A.* 118: 3193-3200. <http://dx.doi.org/10.1021/jp5015302>.
- George, M; Ramesh, V; Srinivas, R; Giblin, D; Gross, ML. (2011). Deprotonated N-(2,4-Dinitrophenyl)amino Acids Undergo Cyclization in Solution and the Gas Phase. *Int J Mass Spectrom.* 306: 232-240. <http://dx.doi.org/10.1016/j.ijms.2011.01.007>.
- Gerrity, D; Gamage, S; Jones, D; Korshin, GV; Lee, Y; Pisarenko, A; Trenholm, RA; von Gunten, U; Wert, EC; Snyder, SA. (2012). Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. *Water Res.* 46: 6257-6272. <http://dx.doi.org/10.1016/j.watres.2012.08.037>.
- Geven, MA; Barbieri, D; Yuan, H; de Bruijn, JD; Grijpma, DW. (2015). Preparation and mechanical properties of photo-crosslinked poly(trimethylene carbonate) and nano-hydroxyapatite composites. *Clin Hemorheol Microcirc.* 60: 3-11. <http://dx.doi.org/10.3233/CH-151936>.
- Ghadwal, RS; Azhakar, R; Roesky, HW. (2013). Dichlorosilylene: a high temperature transient species to an indispensable building block. *Acc Chem Res.* 46: 444-456. <http://dx.doi.org/10.1021/ar300196u>.
- Ghirardini, AM; Guerra, E; Serio, L; Girardis, M; Pasetto, A; Busani, S. (2014). Checklist for anesthesiological process: analysis of risks. *Minerva Anesthesiol.* 80: 913-921.
- Ghosh, N; Nayak, S; Sahoo, AK. (2011). Gold-catalyzed regioselective hydration of propargyl acetates assisted by a neighboring carbonyl group: access to α -acyloxy methyl ketones and synthesis of (\pm)-actinopolymorphol B. *J Org Chem.* 76: 500-511. <http://dx.doi.org/10.1021/jo101995g>.
- Ghosh, P; Samanta, AN; Ray, S. (2010). Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by H₂O₂/Fe(II) system. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 45: 395-399. <http://dx.doi.org/10.1080/10934520903538954>.
- Ghosh, R; Mondal, JA; Palit, DK. (2010). Ultrafast dynamics of the excited states of curcumin in solution. *J Phys Chem B.* 114: 12129-12143. <http://dx.doi.org/10.1021/jp1038249>.
- Ghosh, R; Nandi, A; Palit, DK. (2016). Solvent sensitive intramolecular charge transfer dynamics in the excited states of 4-N,N-dimethylamino-4'-nitrobiphenyl. *Phys Chem Chem Phys.* 18: 7661-7671. <http://dx.doi.org/10.1039/c5cp07778h>.
- Giammanco, G; Martínez de Ilduaya, A; Alla, A; Muñoz-Guerra, S. (2010). Hydrolyzable aromatic copolyesters of p-dioxanone. *Biomacromolecules.* 11: 2512-2520. <http://dx.doi.org/10.1021/bm1007025>.
- Gidron, O; Ebert, MO; Trapp, N; Diederich, F. (2014). Chiroptical detection of nonchromophoric, achiral guests by enantiopure alleno-acetylenic helicages. *Angew Chem Int Ed Engl.* 53: 13614-13618. <http://dx.doi.org/10.1002/anie.201406585>.
- Gillanders, F; Giordano, L; Díaz, SA; Jovin, TM; Jares-Erijman, EA. (2014). Photoswitchable fluorescent diheteroarylethenes: substituent effects on photochromic and solvatochromic properties. *Photochem Photobiol Sci.* 13: 603-612. <http://dx.doi.org/10.1039/c3pp50374g>.
- Gilmour, DJ; Webster, RL; Perry, MR; Schafer, LL. (2015). Titanium pyridonates for the homo- and copolymerization of rac-lactide and ϵ -caprolactone. *Dalton Transactions (Online).* 44: 12411-12419. <http://dx.doi.org/10.1039/c5dt01162k>.
- Girgis, AS; Ismail, NS; Farag, H; El-Eraky, WI; Saleh, DO; Tala, S. R.; Katritzky, AR. (2010). Regioselective synthesis and molecular modeling study of vasorelaxant active 7,9-dioxo-1,2-diaza-spiro[4.5]dec-2-ene-6,10-diones. *Eur J Med Chem.* 45: 4229-4238. <http://dx.doi.org/10.1016/j.ejmech.2010.06.018>.
- Giri, B; Roscoe, JA; Gonzalez-Garcia, N; Olzmann, M. (2010). Experimental and Theoretical Analysis of the Kinetics of the Reaction of Atomic Bromine with 1,4-Dioxane. *J Phys Chem A.* 114: 291-298. <http://dx.doi.org/10.1021/jp908168u>.
- Giri, BR; Lo, JM; Roscoe, JM; Alqaity, AB; Farooq, A. (2015). Theoretical study of the reaction kinetics of atomic bromine with tetrahydropyran. *J Phys Chem A.* 119: 933-942. <http://dx.doi.org/10.1021/jp510987q>.
- Giri, BR; Roscoe, JM; González-García, N; Olzmann, M; Lo, JM; Marriott, RA. (2011). Experimental and theoretical investigation of the kinetics of the reaction of atomic chlorine with 1,4-dioxane. *J Phys Chem A.* 115: 5105-5111. <http://dx.doi.org/10.1021/jp201803g>.
- Givissis, PK; Stavridis, SI; Papagelopoulos, PJ; Antonarakos, PD; Christodoulou, AG. (2010). Delayed foreign-body reaction to absorbable implants in metacarpal fracture treatment. *Clin Orthop Relat Res.* 468: 3377-3383. <http://dx.doi.org/10.1007/s11999-010-1388-3>.
- Glavas, L; Olsén, P; Odelius, K; Albertsson, AC. (2013). Achieving micelle control through core crystallinity. *Biomacromolecules.* 14: 4150-4156. <http://dx.doi.org/10.1021/bm401312j>.
- Godoy, CA; de las Rivas, B; Grazú, V; Montes, T; Guisán, JM; López-Gallego, F. (2011). Glyoxyl-disulfide agarose: a tailor-made support for site-directed rigidification of proteins. *Biomacromolecules.* 12: 1800-1809. <http://dx.doi.org/10.1021/bm200161f>.
- Godoy, CA; Fernandez-Lorente, G; de Las Rivas, B; Filice, M; Guisan, JM; Palomo, JM. (2011). Medium engineering on modified *Geobacillus thermocatenulatus* lipase to prepare highly active catalysts. *Journal of Molecular Catalysis B: Enzymatic.* 70: 144-148. <http://dx.doi.org/10.1016/j.molcatb.2011.03.001>.
- Godoy-Caballero, MP; Acedo-Valenzuela, MI; Galeano-Díaz, T. (2013). New reversed phase dispersive liquid-liquid microextraction method for the determination of phenolic compounds in virgin olive oil by rapid resolution liquid chromatography with ultraviolet-visible and mass spectrometry detection. *J Chromatogr A.* 1313: 291-301. <http://dx.doi.org/10.1016/j.chroma.2013.06.020>.

Human Health Hazard Literature Search Results

Off Topic

- Goldwasser, E; de Courcy, B; Demange, L; Garbay, C; Raynaud, F; Hadj-Slimane, R; Piquemal, JP; Gresh, N. (2014). Conformational analysis of a polyconjugated protein-binding ligand by joint quantum chemistry and polarizable molecular mechanics. Addressing the issues of anisotropy, conjugation, polarization, and multipole transferability. *J Mol Model*. 20: 2472. <http://dx.doi.org/10.1007/s00894-014-2472-5>.
- Gomha, SM; Khalil, KD. (2012). A convenient ultrasound-promoted synthesis of some new thiazole derivatives bearing a coumarin nucleus and their cytotoxic activity. *Molecules*. 17: 9335-9347. <http://dx.doi.org/10.3390/molecules17089335>.
- Goñi-De-Cerio, F; Thevenot, J; Oliveira, H; Pérez-Andrés, E; Berra, E; Masa, M; Suárez-Merino, B; Lecommandoux, S; Heredia, P. (2015). Cellular Uptake and Cytotoxic Effect of Epidermal Growth Factor Receptor Targeted and Plitidepsin Loaded Co-Polymeric Polymersomes on Colorectal Cancer Cell Lines. *Journal of Biomedical Nanotechnology*. 11: 2034-2049.
- González-Pérez, M; Gómez-Bombarelli, R; Pérez-Prior, MT; Arenas-Valgañón, J; García-Santos, MP; Calle, E; Casado, J. (2014). Alkylating potential of styrene oxide: reactions and factors involved in the alkylation process. *Chem Res Toxicol*. 27: 1853-1859. <http://dx.doi.org/10.1021/tx5002892>.
- González-Ruiz, V; Mussardo, P; Corda, E; Girotti, S; Olives, AI; Martín, MA. (2010). Liquid chromatographic analysis of the anticancer alkaloid luotonin A and some new derivatives in human serum samples. *J Sep Sci*. 33: 2086-2093. <http://dx.doi.org/10.1002/jssc.201000175>.
- Gormisky, PE; White, MC. (2011). Synthetic versatility in C-H oxidation: a rapid approach to differentiated diols and pyrans from simple olefins. *J Am Chem Soc*. 133: 12584-12589. <http://dx.doi.org/10.1021/ja206013j>.
- Goudarzi, N; Farsimadan, S; Chamjangali, MA; Bagherian, GA. (2015). Development of coupled ultrasound-assisted and reversed-phase dispersive liquid-liquid microextraction before high-performance liquid chromatography for the sensitive determination of vitamin A and vitamin E in oil samples. *J Sep Sci*. <http://dx.doi.org/10.1002/jssc.201500522>.
- Govender, M; Bush, T; Spark, A; Bose, SK; Francis, RC. (2009). An accurate and non-labor intensive method for the determination of syringyl to guaiacyl ratio in lignin. *Bioresour Technol*. 100: 5834-5839. <http://dx.doi.org/10.1016/j.biortech.2009.06.009>.
- Gowd, EB; Koga, T; Endoh, MK; Kumar, K; Stamm, M. (2014). Pathways of cylindrical orientations in PS-b-P4VP diblock copolymer thin films upon solvent vapor annealing. *Soft Matter*. 10: 7753-7761. <http://dx.doi.org/10.1039/c4sm01460j>.
- Goyal, R; Goyal, D; Chu, N; Van Wickle, J; Longo, LD. (2014). Cerebral artery alpha-1 AR subtypes: high altitude long-term acclimatization responses. *PLoS ONE*. 9: e112784. <http://dx.doi.org/10.1371/journal.pone.0112784>.
- Goyal, R; Mittal, A; Chu, N; Zhang, L; Longo, LD. (2010). alpha(1)-Adrenergic receptor subtype function in fetal and adult cerebral arteries. *Am J Physiol Heart Circ Physiol*. 298: H1797-H1806. <http://dx.doi.org/10.1152/ajpheart.00112.2010>.
- Gozzi, A; Turrini, G; Piccoli, L; Massagrande, M; Amantini, D; Antolini, M; Martinelli, P; Cesari, N; Montanari, D; Tessari, M; Corsi, M; Bifone, A. (2011). Functional magnetic resonance imaging reveals different neural substrates for the effects of orexin-1 and orexin-2 receptor antagonists. *PLoS ONE*. 6: e16406. <http://dx.doi.org/10.1371/journal.pone.0016406>.
- Grashin, RA; Antonov, VG; Karpishchenko, AI; Khaïrutdinov, VR. (2010). [The free radical oxidation and antioxidant defense systems as indicators of the activity of keratinocytic proliferation in psoriasis]. *Klin Lab Diagn* 18-24.
- Green, RA; Hartwig, JF. (2014). Palladium-catalyzed amination of aryl chlorides and bromides with ammonium salts. *Org Lett*. 16: 4388-4391. <http://dx.doi.org/10.1021/ol501739g>.
- Green, T; Lee, R; Moore, RB; Ashby, J; Willis, GA; Lund, VJ; MJL, C. (2000). Acetochlor-induced rat nasal tumors: Further studies on the mode of action and relevance to humans. *Regul Toxicol Pharmacol*. 32: 127-133. <http://dx.doi.org/10.1006/rtph.2000.1413>.
- Greenberg, JA; Walden, S; Hammer, CM; Grazul-Bilska, AT; Vonnahme, KA. (2011). A comparison of barbed and smooth sutures for ovine cesarean delivery. *Int J Gynaecol Obstet*. 113: 215-217. <http://dx.doi.org/10.1016/j.ijgo.2010.12.017>.
- Greenfeder, S. (2009). Emerging Strategies and Agents to Lower Cardiovascular Risk by Increasing High Density Lipoprotein Cholesterol Levels. *Curr Med Chem*. 16: 144-156.
- Greenway, KT; Bischoff, AG; Pinto, BM. (2012). Probing hyperconjugation experimentally with the conformational deuterium isotope effect. *J Org Chem*. 77: 9221-9226. <http://dx.doi.org/10.1021/jo3017988>.
- Greiner, S; Braunsdorf, J; Perka, C; Herrmann, S; Scheffler, S. (2009). Mid to long-term results of open acromioclavicular-joint reconstruction using polydioxansulfate cerclage augmentation. *Arch Orthop Trauma Surg*. 129: 735-740. <http://dx.doi.org/10.1007/s00402-008-0688-5>.
- Greyling, G; Pasch, H. (2015). Tacticity separation of poly(methyl methacrylate) by multidetector thermal field-flow fractionation. *Anal Chem*. 87: 3011-3018. <http://dx.doi.org/10.1021/ac504651p>.
- Griesbeck, AG; Bräutigam, M; Kleczka, M; Raabe, A. (2017). Synthetic Approaches to Mono- and Bicyclic Perortho-Esters with a Central 1,2,4-Trioxane Ring as the Privileged Lead Structure in Antimalarial and Antitumor-Active Peroxides and Clarification of the Peroxide Relevance. *Molecules*. 22. <http://dx.doi.org/10.3390/molecules22010119>.
- Grimmett, PE; Munch, JW. (2009). Method development for the analysis of 1,4-dioxane in drinking water using solid-phase extraction and gas chromatography-mass spectrometry. *J Chromatogr Sci*. 47: 31-39.
- Grosjean, D. (1990). Atmospheric chemistry of toxic contaminants. 2. Saturated aliphatics: Acetaldehyde, dioxane, ethylene glycol ethers, propylene oxide. *J Air Waste Manag Assoc*. 40: 1522-1531.
- Grostern, A; Sales, CM; Zhuang, WQ; Erbilgin, O; Alvarez-Cohen, L. (2012). Glyoxylate metabolism is a key feature of the metabolic degradation of 1,4-dioxane by *Pseudonocardia dioxanivorans* strain CB1190. *Appl Environ Microbiol*. 78: 3298-3308. <http://dx.doi.org/10.1128/AEM.00067-12>.
- Guarino, V; Guaccio, A; Guarneri, D; Netti, PA; Ambrosio, L. (2012). Binary system thermodynamics to control pore architecture of PCL scaffold via temperature-driven phase separation process. *J Biomater Appl*. 27: 241-254. <http://dx.doi.org/10.1177/0885328211401056>.

Human Health Hazard Literature Search Results

Off Topic

- Guillerm, B; Lemaury, V; Cornil, J; Lazzaroni, R; Dubois, P; Coulembier, O. (2014). Ammonium betaines: efficient ionic nucleophilic catalysts for the ring-opening polymerization of L-lactide and cyclic carbonates. *Chem Commun (Camb)*. 50: 10098-10101. <http://dx.doi.org/10.1039/c4cc03347g>.
- Guilmette, RA; Cheng, YS; Griffith, WC. (1997). Characterising the variability in adult human nasal airway dimensions. *Ann Occup Hyg*. 41: 491-496.
- Guo, G; Li, S; Wang, L, u; Ren, S; Fang, G. (2013). Separation and characterization of lignin from bio-ethanol production residue. *Bioresour Technol*. 135: 738-741. <http://dx.doi.org/10.1016/j.biortech.2012.10.041>.
- Guo, J; Liu, X; Lee Miller, A; Waletzki, BE; Yaszemski, MJ; Lu, L. (2017). Novel porous poly(propylene fumarate-co-caprolactone) scaffolds fabricated by thermally induced phase separation. *J Biomed Mater Res A*. 105: 226-235. <http://dx.doi.org/10.1002/jbm.a.35862>.
- Guo, J; Shi, Z; Yang, K; Tian, JH; Jiang, L. (2012). Endothelin receptor antagonists for subarachnoid hemorrhage [Review]. *Cochrane Database Syst Rev* CD008354. <http://dx.doi.org/10.1002/14651858.CD008354.pub2>.
- Guo, X; Liu, W; Hu, W. (2014). A facile access to polyfunctional oxygen-containing heterocycles via intramolecularly formed protic oxonium ylide trapping processes. *Chem Asian J*. 9: 117-120. <http://dx.doi.org/10.1002/asia.201301115>.
- Guo, X; Liu, Z; Song, Q; Wang, L; Zhong, D. (2015). Dynamics and mechanism of UV-damaged DNA repair in indole-thymine dimer adduct: molecular origin of low repair quantum efficiency. *J Phys Chem B*. 119: 3446-3455. <http://dx.doi.org/10.1021/jp512413t>.
- Gupta, M; Kamble, P; Rath, MC; Naik, DB; Ray, AK. (2015). High laser efficiency and photostability of pyrromethene dyes mediated by nonpolar solvent. *Appl Opt*. 54: 7013-7019. <http://dx.doi.org/10.1364/AO.54.007013>.
- Gurung, A; Hassan, SH; Oh, SE. (2011). Assessing acute toxicity of effluent from a textile industry and nearby river waters using sulfur-oxidizing bacteria in continuous mode. *Environ Technol*. 32: 1597-1604. <http://dx.doi.org/10.1080/09593330.2010.545081>.
- Guzman, EA; Nelson, RA; Kim, J; Pigazzi, A; Trisal, V; Paz, B; Di Ellenhorn, J. (2009). Increased incidence of pancreatic fistulas after the introduction of a bioabsorbable staple line reinforcement in distal pancreatic resections. *Am Surg*. 75: 954-957.
- Haddad, R; Peltz, TS; Walsh, WR. (2011). Biomechanical evaluation of flexor tendon repair using barbed suture material: a comparative ex vivo study [Letter]. 36: 1565-1566. <http://dx.doi.org/10.1016/j.jhsa.2011.05.040>.
- Haldar, U; Bauri, K; Li, R; Faust, R; De, P. (2015). Polyisobutylene-Based pH-Responsive Self-Healing Polymeric Gels. 7: 8779-8788. <http://dx.doi.org/10.1021/acsami.5b01272>.
- Hall, WC. (1990). Peritoneum, retroperitoneum, mesentery and abdominal cavity. In GA Boorman; SL Eustis; MR Elwell; CA Montgomery, Jr.; WF MacKenzie (Eds.), (pp. 63-69). San Diego, CA: Academic Press.
- Hamama, WS; Berghot, MA; Baz, EA; Gouda, MA. (2011). Synthesis and antioxidant evaluation of some new 3-substituted coumarins. *Arch Pharm (Weinheim)*. 344: 710-718. <http://dx.doi.org/10.1002/ardp.201000263>.
- Hamann, E; Stuyfzand, PJ; Greskowiak, J; Timmer, H; Massmann, G. (2016). The fate of organic micropollutants during long-term/long-distance river bank filtration. *Sci Total Environ*. 545-546: 629-640. <http://dx.doi.org/10.1016/j.scitotenv.2015.12.057>.
- Han, J; Chen, TX; Branford-White, CJ; Zhu, LM. (2009). Electrospun shikonin-loaded PCL/PTMC composite fiber mats with potential biomedical applications. *Int J Pharm*. 382: 215-221. <http://dx.doi.org/10.1016/j.ijpharm.2009.07.027>.
- Han, JS; So, MH; Kim, CG. (2009). Optimization of biological wastewater treatment conditions for 1,4-dioxane decomposition in polyester manufacturing processes. *Water Sci Technol*. 59: 995-1002. <http://dx.doi.org/10.2166/wst.2009.079>.
- Han, TH; Han, JS; So, MH; Seo, JW; Ahn, CM; Min, DH; Yoo, YS; Cha, DK; Kim, CG. (2012). The removal of 1,4-dioxane from polyester manufacturing process wastewater using an up-flow Biological Aerated Filter (UBAF) packed with tire chips. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 47: 117-129. <http://dx.doi.org/10.1080/10934529.2012.630291>.
- Hancock, SL; Mahon, MF; Jones, MD. (2011). Crystallographic characterisation of Ti(IV) piperazine complexes and their exploitation for the ring opening polymerisation of rac-lactide. *Dalton Transactions (Online)*. 40: 2033-2037. <http://dx.doi.org/10.1039/c0dt01542c>.
- Hancock, SL; Mahon, MF; Jones, MD. (2013). Aluminium salalen complexes based on 1,2-diaminocyclohexane and their exploitation for the polymerisation of rac-lactide. *Dalton Transactions (Online)*. 42: 9279-9285. <http://dx.doi.org/10.1039/c3dt00021d>.
- Hand, S; Wang, B; Chu, KH. (2015). Biodegradation of 1,4-dioxane: effects of enzyme inducers and trichloroethylene. *Sci Total Environ*. 520: 154-159. <http://dx.doi.org/10.1016/j.scitotenv.2015.03.031>.
- Hans, M; Keul, H; Moeller, M. (2009). Ring-opening polymerization of DD-lactide catalyzed by Novozyme 435. *Macromol Biosci*. 9: 239-247. <http://dx.doi.org/10.1002/mabi.200800236>.
- Hansch, C; Leo, A; Hoekman, D. (1995). Exploring QSAR: Hydrophobic, Electronic, and Steric Constants. In ACS Professional Reference Book. Washington, DC: American Chemical Society.
- Harada, D; Takada, C; Nosaka, Y; Takashima, Y; Kobayashi, K; Takaba, K; Manabe, H. (2009). Effect of orally administered KF66490, a phosphodiesterase 4 inhibitor, on dermatitis in mouse models. *Int Immunopharmacol*. 9: 55-62. <http://dx.doi.org/10.1016/j.intimp.2008.09.01>.
- Harkema, JR; Carey, SA; Wagner, JG. (2006). The nose revisited: A brief review of the comparative structure, function, and toxicologic pathology of the nasal epithelium [Review]. *Toxicol Pathol*. 34: 252-269. <http://dx.doi.org/10.1080/01926230600713475>.
- Harris, JR; Waetzig, SR; Woerpel, KA. (2009). Palladium(II)-catalyzed cyclization of unsaturated hydroperoxides for the synthesis of 1,2-dioxanes. *Org Lett*. 11: 3290-3293. <http://dx.doi.org/10.1021/ol901046z>.
- Harrisson, S; Couvreur, P; Nicolas, J. (2012). Use of solvent effects to improve control over nitroxide-mediated polymerization of isoprene. *Macromol Rapid Comm*. 33: 805-810. <http://dx.doi.org/10.1002/marc.201100866>.
- Hasell, T; Culshaw, JL; Chong, SY; Schmidtman, M; Little, MA; Jelfs, KE; Pyzer-Knapp, EO; Shepherd, H; Adams, DJ; Day, GM; Cooper, AI. (2014). Controlling the crystallization of porous organic cages: molecular analogs of isorecticular frameworks using shape-specific directing solvents. *J Am Chem Soc*. 136: 1438-1448. <http://dx.doi.org/10.1021/ja409594s>.

Human Health Hazard Literature Search Results

Off Topic

- Haseman, JK; Hailey, JR. (1997). An update of the National Toxicology Program database on nasal carcinogens. *Mutat Res.* 380: 3-11. [http://dx.doi.org/10.1016/S0027-5107\(97\)00121-8](http://dx.doi.org/10.1016/S0027-5107(97)00121-8).
- Haseman, JK; Hailey, JR; Morris, RW. (1998). Spontaneous neoplasm incidences in Fischer 344 rats and B6C3F1 mice in two-year carcinogenicity studies: A National Toxicology Program update. *Toxicol Pathol.* 26: 428-441. <http://dx.doi.org/10.1177/019262339802600318>.
- Haseman, JK; Huff, J; Boorman, GA. (1984). Use of historical control data in carcinogenicity studies in rodents. *Toxicol Pathol.* 12: 126-135. <http://dx.doi.org/10.1177/019262338401200203>.
- Hassan, SS; Shoukry, MM; van Eldik, R. (2012). Thermodynamics of the interaction of ruthenium(III) polyaminocarboxylate complexes with bio-relevant ligands. Deactivation of the complexes as NO scavengers by thiol ligands. *Dalton Trans.* 41: 13447-13453. <http://dx.doi.org/10.1039/c2dt31730c>.
- Hassan, WM; Moustafa, H; Hamed, MN; Ali, LI; Halim, SA. (2014). DFT calculations and electronic absorption spectra of some, α - and γ -pyrone derivatives. *Spectrochim Acta A Mol Biomol Spectrosc.* 117: 587-597. <http://dx.doi.org/10.1016/j.saa.2013.09.057>.
- Hausermann, L; St-Louis, J. (2011). Thromboxane and isoprostane share the same prostanoid receptors to increase human placental tone. *Placenta.* 32: 941-948. <http://dx.doi.org/10.1016/j.placenta.2011.09.017>.
- Hawkins, WG. (2009). To mesh or not to mesh, that is the question: comment on "Use of Seamguard to prevent pancreatic leak following distal pancreatectomy" [Comment]. *Arch Surg.* 144: 899.
- Hawley, GG; Lewis, RJ, Sr. (2001). *Hawley's condensed chemical dictionary*. In GG Hawley; RJ Lewis, Sr. (Eds.), (14 ed.). New York, NY: John Wiley & Sons.
- Hayami, JW; Surrao, DC; Waldman, SD; Amsden, BG. (2010). Design and characterization of a biodegradable composite scaffold for ligament tissue engineering. *J Biomed Mater Res A.* 92: 1407-1420. <http://dx.doi.org/10.1002/jbm.a.32472>.
- Hayashi, S; Watanabe, J; Kawajiri, K. (1991). Genetic polymorphisms in the 5'-flanking region change transcriptional regulation of the human cytochrome P450IIE1 gene. *J Biochem.* 110: 559-565.
- Hector, AL; Levason, W; Reid, G; Webster, M; Zhang, W. (2011). Supramolecular assemblies of germanium(II) halides with O-, S- and Se-donor macrocycles - the effects of donor atom type upon structure. *Dalton Transactions (Online)*. 40: 694-700. <http://dx.doi.org/10.1039/c0dt00749h>.
- Hegazy, ME; Matsuda, H; Nakamura, S; Hussein, TA; Yoshikawa, M; Paré, PW. (2014). Chemical constituents and their antibacterial and antifungal activity from the Egyptian herbal medicine *Chiliadenus montanus*. *Phytochemistry.* 103: 154-161. <http://dx.doi.org/10.1016/j.phytochem.2014.03.027>.
- Hemal, AK; Agarwal, MM; Babbar, P. (2012). Impact of newer unidirectional and bidirectional barbed suture on vesicourethral anastomosis during robot-assisted radical prostatectomy and its comparison with polyglecaprone-25 suture: an initial experience. *Int Urol Nephrol.* 44: 125-132. <http://dx.doi.org/10.1007/s11255-011-9967-0>.
- Hemalatha, K; Madhumitha, G; Ravi, L; Khanna, VG; Al-Dhabi, NA; Arasu, MV. (2016). Binding mode of dihydroquinazolinones with lysozyme and its antifungal activity against *Aspergillus* species. *J Photochem Photobiol B.* 161: 71-79. <http://dx.doi.org/10.1016/j.jphotobiol.2016.05.005>.
- Hemmateenejad, B; Yazdani, M; Sharghi, H. (2012). Effects of solvent and substituent on the electronic absorption spectra of some substituted Schiff bases: A chemometrics study. *Spectrochim Acta A Mol Biomol Spectrosc.* 91: 198-205. <http://dx.doi.org/10.1016/j.saa.2012.01.023>.
- Hermann, K; Sardini, S; Ruan, Y; Yoder, RJ; Chakraborty, M; Vyas, S; Hadad, CM; Badjić, JD. (2013). Method for the preparation of derivatives of heptiptycene: toward dual-cavity baskets. *J Org Chem.* 78: 2984-2991. <http://dx.doi.org/10.1021/jo3027998>.
- Heshmat, M; Privalov, T. (2017). A Prediction of Proton-Catalyzed Hydrogenation of Ketones in Lewis Basic Solvent through Facile Splitting of Hydrogen Molecules. *Chemistry.* 23: 1036-1039. <http://dx.doi.org/10.1002/chem.201605443>.
- Hester, TH; Mccraney, KK; Castillo, DE; Goebbert, DJ. (2013). The sequential dissociation of protonated polyethylene glycols. *J Mass Spectrom.* 48: 459-464. <http://dx.doi.org/10.1002/jms.3177>.
- Hewson, I; Makhmalbaf, P; Street, A; McCarthy, P; Walsh, M. (2011). Dental surgery with minimal factor support in the inherited bleeding disorder population at the Alfred Hospital. *Haemophilia Online.* 17: e185-e188. <http://dx.doi.org/10.1111/j.1365-2516.2010.02346.x>.
- Hidaka, H; Tsukamoto, T; Mitsutsuka, Y; Oyama, T; Serpone, N. (2015). Enhanced Ga2O3-photocatalyzed and photochemical degradation of the Fipronil insecticide by UVC irradiation in mixed aqueous/organic media under an inert atmosphere. *Photochem Photobiol Sci.* 14: 919-928. <http://dx.doi.org/10.1039/c5pp00011d>.
- Hiebl, B; Fuhrmann, R; Jung, F; Kratz, K; Lendlein, A; Franke, RP. (2010). Degradation of and angiogenesis around multiblock copolymers containing poly(p-dioxanone)- and poly(epsilon-caprolactone)-segments subcutaneously implanted in the rat neck. *Clin Hemorheol Microcirc.* 45: 117-122. <http://dx.doi.org/10.3233/CH-2010-1289>.
- Hiebl, B; Mrowietz, C; Goers, J; Bahramsoltani, M; Plendl, J; Kratz, K; Lendlein, A; Jung, F. (2010). In vivo evaluation of the angiogenic effects of the multiblock copolymer PDC using the hen's egg chorioallantoic membrane test. *Clin Hemorheol Microcirc.* 46: 233-238. <http://dx.doi.org/10.3233/CH-2010-1350>.
- Hiendrawan, S; Widjojokusumo, E; Veriansyah, B; Tjandrawinata, RR. (2016). Pharmaceutical Salts of Carvedilol: Polymorphism and Physicochemical Properties. *AAPS PharmSciTech.* <http://dx.doi.org/10.1208/s12249-016-0616-x>.
- Hilton, S; Naud, S; Caldwell, JJ; Boxall, K; Burns, S; Anderson, VE; Antoni, L; Allen, CE; Pearl, LH; Oliver, AW; Wynne Aherne, G; Garrett, MD; Collins, I. (2010). Identification and characterisation of 2-aminopyridine inhibitors of checkpoint kinase 2. *Bioorg Med Chem.* 18: 707-718. <http://dx.doi.org/10.1016/j.bmc.2009.11.058>.
- H-Kittikun, A; Prasertsan, P; Zimmermann, W; Seesuriyachan, P; Chaiyaso, T. (2012). Sugar ester synthesis by thermostable lipase from *Streptomyces thermocarboxydus* ME168. *Appl Biochem Biotechnol.* 166: 1969-1982. <http://dx.doi.org/10.1007/s12010-012-9624-9>.

Human Health Hazard Literature Search Results

Off Topic

- Ho, KS; Aman, AM; Al-Awar, RS; Shoichet, MS. (2012). Amphiphilic micelles of poly(2-methyl-2-carboxytrimethylene carbonate-co-D,L-lactide)-graft-poly(ethylene glycol) for anti-cancer drug delivery to solid tumours. *Biomaterials*. 33: 2223-2229. <http://dx.doi.org/10.1016/j.biomaterials.2011.11.072>.
- Hogue, C. (2009). 1,4-Dioxane Exposure not harmful, Canada says. *Chem Eng News*. 87: 24-24.
- Hoi, KH; Coggan, JA; Organ, MG. (2013). Pd-PEPSSI-IPent(Cl): an effective catalyst for the preparation of triaryl amines. *Chemistry*. 19: 843-845. <http://dx.doi.org/10.1002/chem.201203379>.
- Holla, H; Labaied, M; Pham, N; Jenkins, I; Stuart, K; Quinn, RJ. (2011). Synthesis of antitrypanosomal 1,2-dioxane derivatives based on a natural product scaffold. *Bioorg Med Chem Lett*. 21: 4793-4797. <http://dx.doi.org/10.1016/j.bmcl.2011.06.059>.
- Holthoff, E; Bender, J; Pellegrino, P; Fisher, A. (2010). Quantum cascade laser-based photoacoustic spectroscopy for trace vapor detection and molecular discrimination. *Sensors*. 10: 1986-2002. <http://dx.doi.org/10.3390/s100301986>.
- Homvises, B. (2014). A randomized trial between different suture materials (polydioxanone vs. poliglecaprone 25) and different suturing techniques (running subcuticular suture alone vs. with running horizontal mattress) in prevention of hypertrophic scar development in median sternotomy wound. *J Med Assoc Thai*. 97 Suppl 8: S88-S94.
- Horbury, MD; Baker, LA; Quan, WD; Greenough, SE; Stavros, VG. (2016). Photodynamics of potent antioxidants: ferulic and caffeic acids. *Phys Chem Chem Phys*. 18: 17691-17697. <http://dx.doi.org/10.1039/c6cp01595f>.
- Horikawa, K; Fujii, K; Fukazawa, Y; Shibata, S. (2013). Two distinct serotonin receptors co-mediate non-photic signals to the circadian clock. *J Pharmacol Sci*. 123: 402-406.
- Hott, SC; Gomes, FV; Fabri, DR; Reis, DG; Crestani, CC; Côrrea, FM; Resstel, LB. (2012). Both α 1- and β 1-adrenoceptors in the bed nucleus of the stria terminalis are involved in the expression of conditioned contextual fear. *Br J Pharmacol*. 167: 207-221. <http://dx.doi.org/10.1111/j.1476-5381.2012.01985.x>.
- Hou, Q; Grijpma, DW; Feijen, J. (2009). Creep-resistant elastomeric networks prepared by photocrosslinking fumaric acid monoethyl ester-functionalized poly(trimethylene carbonate) oligomers. *Acta Biomater*. 5: 1543-1551. <http://dx.doi.org/10.1016/j.actbio.2008.12.012>.
- Hou, X; Deng, J; Zhang, Q; Wang, D; Kennedy, D; Quinn, RJ; Feng, Y. (2016). Cytotoxic ethnic Yao medicine Baizuan, leaves of *Schisandra viridis* A. C. Smith. *J Ethnopharmacol*. 194: 146-152. <http://dx.doi.org/10.1016/j.jep.2016.09.016>.
- Hou, YP; Sun, J; Pang, ZH; Lv, PC; Li, DD; Yan, L; Zhang, HJ; Zheng, EX; Zhao, J; Zhu, HL. (2011). Synthesis and antitumor activity of 1,2,4-triazoles having 1,4-benzodioxan fragment as a novel class of potent methionine aminopeptidase type II inhibitors. *Bioorg Med Chem*. 19: 5948-5954. <http://dx.doi.org/10.1016/j.bmc.2011.08.063>.
- Hsiao, MW; Lin, CC. (2013). Ring-opening polymerization of L-lactide catalyzed by calcium complexes. *Dalton Transactions (Online)*. 42: 2041-2051. <http://dx.doi.org/10.1039/c2dt32487c>.
- Hu, L; Lu, X; Deng, L. (2015). Catalytic Enantioselective Peroxidation of α,β -Unsaturated Aldehydes for the Asymmetric Synthesis of Biologically Important Chiral Endoperoxides. *J Am Chem Soc*. 137: 8400-8403. <http://dx.doi.org/10.1021/jacs.5b05345>.
- Hu, X; Han, R; Quan, LH; Liu, CY; Liao, YH. (2013). Stabilization and sustained release of zeylenone, a soft cytotoxic drug, within polymeric micelles for local antitumor drug delivery. *Int J Pharm*. 450: 331-337. <http://dx.doi.org/10.1016/j.ijpharm.2013.04.007>.
- Huang, CY; Huang, KL; Cheng, TJ; Wang, JD; Hsieh, LL. (1997). The GST T1 and CYP2E1 genotypes are possible factors causing vinyl chloride induced abnormal liver function. *Arch Toxicol*. 71: 482-488. <http://dx.doi.org/10.1007/s002040050416>.
- Huang, GB; Wang, SH; Ke, H; Yang, LP; Jiang, W. (2016). Selective Recognition of Highly Hydrophilic Molecules in Water by Endo-Functionalized Molecular Tubes. *J Am Chem Soc*. 138: 14550-14553. <http://dx.doi.org/10.1021/jacs.6b09472>.
- Huang, JH; Yang, LM. (2011). Nickel-catalyzed amination of aryl phosphates through cleaving aryl C-O bonds. *Org Lett*. 13: 3750-3753. <http://dx.doi.org/10.1021/ol201437g>.
- Huang, K; Ding, X; Lv, B; Wei, L; Sun, J; Xu, Z; Qin, X; Tang, H. (2014). Reconstruction of large-size abdominal wall defect using biodegradable poly-p-dioxanone mesh: an experimental canine study. *World Journal of Surgical Oncology*. 12: 57. <http://dx.doi.org/10.1186/1477-7819-12-57>.
- Huang, Y; Tsai, YH; Hung, WC; Lin, CS; Wang, W; Huang, JH; Dutta, S; Lin, CC. (2010). Synthesis and structural studies of lithium and sodium complexes with OOO-tridentate bis(phenolate) ligands: effective catalysts for the ring-opening polymerization of L-lactide. *Inorg Chem*. 49: 9416-9425. <http://dx.doi.org/10.1021/ic1011154>.
- Huang, Y; Wang, W; Lin, CC; Blake, MP; Clark, L; Schwarz, AD; Mountford, P. (2013). Potassium, zinc, and magnesium complexes of a bulky OOO-tridentate bis(phenolate) ligand: synthesis, structures, and studies of cyclic ester polymerisation. *Dalton Transactions (Online)*. 42: 9313-9324. <http://dx.doi.org/10.1039/c3dt50135c>.
- Hubicka, U; Krzek, J; Zuromska-Witek, B. (2012). TLC-DENSITOMETRIC DETERMINATION OF TOLPERISONE AND ITS IMPURITIES 4-METHYLPROPIOPHENONE AND PIPERIDINE IN PHARMACEUTICAL PREPARATIONS. *Journal of Liquid Chromatography and Related Technologies*. 35: 1325-1335. <http://dx.doi.org/10.1080/10826076.2012.675862>.
- Hunter, RS; van Mourik, T. (2012). DNA base stacking: the stacked uracil/uracil and thymine/thymine minima. *J Comput Chem*. 33: 2161-2172. <http://dx.doi.org/10.1002/jcc.23052>.
- Huvaere, K; Sinnavee, B; Van Boclaer, J; Skibsted, LH. (2012). Flavonoid deactivation of excited state flavins: reaction monitoring by mass spectrometry. *J Agric Food Chem*. 60: 9261-9272. <http://dx.doi.org/10.1021/jf301823h>.
- Hwang, E; Lee, TH; Lee, WJ; Shim, WS; Yeo, EJ; Kim, S; Kim, SY. (2016). A novel synthetic Piper amide derivative NED-180 inhibits hyperpigmentation by activating the PI3K and ERK pathways and by regulating Ca²⁺ influx via TRPM1 channels. *Pigment Cell and Melanoma Research*. 29: 81-91. <http://dx.doi.org/10.1111/pcmr.12430>.
- Hwang, K; Kim, DH; Park, IS. (2010). A use of poly-L-lactide, D-lactide sheet on posterior orbital floor fracture. *J Craniofac Surg*. 21: 1221-1223. <http://dx.doi.org/10.1097/SCS.0b013e3181e17a30>.

Human Health Hazard Literature Search Results

Off Topic

- Hytych, V; Horazdovsky, P; Stehlik, L; Pracharova, S; Pohnan, R; Lefnerova, S; Vasakova, M. (2015). Our own method of fixation of biodegradable tracheal stent. *Bratisl Lek Listy*. 116: 340-342.
- Iamphongsai, S; Eshraghi, Y; Totonchi, A; Midler, J; Abdul-Karim, FW; Guyuron, B. (2009). Effect of different suture materials on cartilage reshaping. *Aesthet Surg J*. 29: 93-97. <http://dx.doi.org/10.1016/j.asj.2009.01.016>.
- Ianchuk, PI; Prykhod'ko, TP; Pasichnichenko, OM; Tieriekhov, AA; Tsybenko, VO. (2011). [Mechanisms of contractile action of acetylcholine on hepatic veins]. 57: 21-28.
- Ibrahim, GM; Macdonald, RL. (2012). Electrocardiographic changes predict angiographic vasospasm after aneurysmal subarachnoid hemorrhage. *Stroke*. 43: 2102-2107. <http://dx.doi.org/10.1161/STROKEAHA.112.658153>.
- Ibrahim, GM; Macdonald, RL. (2013). The effects of fluid balance and colloid administration on outcomes in patients with aneurysmal subarachnoid hemorrhage: a propensity score-matched analysis. *Neurocrit Care*. 19: 140-149. <http://dx.doi.org/10.1007/s12028-013-9860-z>.
- Ibrahim, GM; Morgan, BR; Macdonald, RL. (2014). Patient phenotypes associated with outcomes after aneurysmal subarachnoid hemorrhage: a principal component analysis. *Stroke*. 45: 670-676. <http://dx.doi.org/10.1161/STROKEAHA.113.003078>.
- Ibrahim, GM; Vachhrajani, S; Ildigwe, D; Kassell, NF; Mayer, SA; Ruefenacht, D; Schmiedek, P; Weidauer, S; Pasqualin, A; Macdonald, RL. (2012). Method of aneurysm treatment does not affect clot clearance after aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 70: 102-109; discussion 109. <http://dx.doi.org/10.1227/NEU.0b013e31822e5a8e>.
- Ibrahim, GM; Weidauer, S; Macdonald, RL. (2011). Interobserver variability in the interpretation of computed tomography following aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 115: 1191-1196. <http://dx.doi.org/10.3171/2011.7.JNS11725>.
- Ibrahim, GM; Weidauer, S; Vatter, H; Raabe, A; Macdonald, RL. (2012). Attributing hypodensities on CT to angiographic vasospasm is not sensitive and unreliable. *Stroke*. 43: 109-112. <http://dx.doi.org/10.1161/STROKEAHA.111.632745>.
- Ichishima, K; Yamamoto, S; Iwamoto, T; Ehara, T. (2010). alpha-Adrenoceptor-mediated depletion of phosphatidylinositol 4, 5-bisphosphate inhibits activation of volume-regulated anion channels in mouse ventricular myocytes. *Br J Pharmacol*. 161: 193-206. <http://dx.doi.org/10.1111/j.1476-5381.2010.00896.x>.
- ICRP. (1975). Report of the task group on reference man. In ICRP Publication 23. Oxford, UK: Pergamon Press. http://ani.sagepub.com/site/includefiles/icrp_publications_collection.xhtml.
- ICRP. (2002). Basic anatomical and physiological data for use in radiological protection: Reference values. In *Annals of the ICRP* (pp. 1-277). (ICRP Publication 89). New York, NY: Pergamon Press. [http://dx.doi.org/10.1016/S0146-6453\(03\)00002-2](http://dx.doi.org/10.1016/S0146-6453(03)00002-2).
- Ilić, M; Dunkel, P; Ilaš, J; Chabielska, E; Zakrzeska, A; Mátyus, P; Kikelj, D. (2013). Towards dual antithrombotic compounds - balancing thrombin inhibitory and fibrinogen GPIIb/IIIa binding inhibitory activities of 2,3-dihydro-1,4-benzodioxine derivatives through regio- and stereoisomerism. *Eur J Med Chem*. 62: 329-340. <http://dx.doi.org/10.1016/j.ejmech.2013.01.002>.
- Ilić, M; Ilaš, J; Dunkel, P; Mátyus, P; Boháč, A; Liekens, S; Kikelj, D. (2012). Novel 1,4-benzoxazine and 1,4-benzodioxine inhibitors of angiogenesis. *Eur J Med Chem*. 58: 160-170. <http://dx.doi.org/10.1016/j.ejmech.2012.10.001>.
- Imran, M; Yar, MS; Khan, SA. (2009). SYNTHESIS AND ANTIHYPERGLYCEMIC ACTIVITY OF 2-(SUBSTITUTED PHENYL)-3-{{[4-(1-NAPHTHYL)-1,3-THIAZOL-2-YL] AMINO}-4-OXO-1, 3-THIAZOLIDIN-5-YLACETIC ACID DERIVATIVES. *Acta Pol Pharm*. 66: 51-56.
- Indra, S; Guchhait, B; Biswas, R. (2016). Structural anomaly and dynamic heterogeneity in cycloether/water binary mixtures: Signatures from composition dependent dynamic fluorescence measurements and computer simulations. *J Chem Phys*. 144: 124506. <http://dx.doi.org/10.1063/1.4943967>.
- Ingram, AJ; Grasso, P. (1985). Nuclear enlargement--an early change produced in mouse epidermis by carcinogenic chemicals applied topically in the presence of a promoter. *J Appl Toxicol*. 5: 53-60. <http://dx.doi.org/10.1002/jat.2550050203>.
- Ingram, AJ; Grasso, P. (1987). Nuclear enlargement produced in mouse skin by carcinogenic mineral oils. *J Appl Toxicol*. 7: 289-295.
- Inoue, D; Tsunoda, T; Sawada, K; Yamamoto, N; Saito, Y; Sei, K; Ike, M. (2016). 1,4-Dioxane degradation potential of members of the genera *Pseudonocardia* and *Rhodococcus*. *Biodegradation*. 27: 277-286. <http://dx.doi.org/10.1007/s10532-016-9772-7>.
- Isaka, K; Udagawa, M; Kimura, Y; Sei, K; Ike, M. (2016). Biological wastewater treatment of 1,4-dioxane using polyethylene glycol gel carriers entrapping *Afipia* sp. D1. *J Biosci Bioeng*. 121: 203-208. <http://dx.doi.org/10.1016/j.jbiosc.2015.06.006>.
- Isaka, K; Udagawa, M; Sei, K; Ike, M. (2016). Pilot test of biological removal of 1,4-dioxane from a chemical factory wastewater by gel carrier entrapping *Afipia* sp. strain D1. *J Hazard Mater*. 304: 251-258. <http://dx.doi.org/10.1016/j.jhazmat.2015.10.066>.
- Ishida, H; Wakimoto, T; Kitao, Y; Tanaka, S; Miyase, T; Nukaya, H. (2009). Quantitation of chafurosides A and B in tea leaves and isolation of prechafurosides A and B from oolong tea leaves. *J Agric Food Chem*. 57: 6779-6786. <http://dx.doi.org/10.1021/jf900032z>.
- Ishikawa, K; Sadahiro, S; Tanaka, Y; Suzuki, T; Kamijo, A; Tazume, S. (2013). Optimal sutures for use in the abdomen: an evaluation based on the formation of adhesions and abscesses. *Surgery Today*. 43: 412-417. <http://dx.doi.org/10.1007/s00595-012-0249-y>.
- Ishimoto, K; Arimoto, M; Okuda, T; Yamaguchi, S; Aso, Y; Ohara, H; Kobayashi, S; Ishii, M; Morita, K; Yamashita, H; Yabuuchi, N. (2012). Biobased polymers: synthesis of graft copolymers and comb polymers using lactic acid macromonomer and properties of the product polymers. *Biomacromolecules*. 13: 3757-3768. <http://dx.doi.org/10.1021/bm301212a>.
- Iwasaki, F; Suga, K; Umakoshi, H. (2015). Pseudo-Interphase of Liposome Promotes 1,3-Dipolar Cycloaddition Reaction of Benzonitrile Oxide and N-Ethylmaleimide in Aqueous Solution. *J Phys Chem B*. 119: 9772-9779. <http://dx.doi.org/10.1021/acs.jpcc.5b03762>.
- Izumi, M; Murakami, M; Okamoto, R; Kajihara, Y. (2014). Safe and efficient Boc-SPPS for the synthesis of glycopeptide- α -thioesters. 20: 98-101. <http://dx.doi.org/10.1002/psc.2608>.
- Jabeen, Q; Aslam, N. (2013). Hypotensive, Angiotensin Converting Enzyme (ACE) Inhibitory and Diuretic Activities of the Aqueous-methanol Extract of *Ipomoea reniformis*. *Iranian Journal of Pharmaceutical Research*. 12: 769-776.

Human Health Hazard Literature Search Results

Off Topic

- Jafari, B; Rafie, F; Davaran, S. (2011). Preparation and characterization of a novel smart polymeric hydrogel for drug delivery of insulin. 1: 135-143. <http://dx.doi.org/10.5681/bi.2011.018>.
- Jakab, Z; Mándi, A; Borbás, A; Bényei, A; Komáromi, I; Lázár, L; Antus, S; Lipták, A. (2009). Synthesis, regioselective hydrogenolysis, partial hydrogenation, and conformational study of dioxane and dioxolane-type (9'-anthracenyl)methylene acetals of sugars. *Carbohydr Res.* 344: 2444-2453. <http://dx.doi.org/10.1016/j.carres.2009.09.007>.
- Jamison, MT; Dalisay, DS; Molinski, TF. (2016). Peroxide Natural Products from *Plakortis zyggompha* and the Sponge Association *Plakortis halichondrioides-Xestospongia deweerdtiae*: Antifungal Activity against *Cryptococcus gattii*. *J Nat Prod.* 79: 555-563. <http://dx.doi.org/10.1021/acs.jnatprod.5b00951>.
- Jang, J; Ye, BR; Heo, SJ; Oh, C; Kang, DH; Kim, JH; Affan, A; Yoon, KT; Choi, YU; Park, SC; Han, S; Qian, ZJ; Jung, WK; Choi, IW. (2012). Photo-oxidative stress by ultraviolet-B radiation and antioxidative defense of eckstolonol in human keratinocytes. *Environ Toxicol Pharmacol.* 34: 926-934. <http://dx.doi.org/10.1016/j.etap.2012.08.003>.
- Jansen, J; Boerakker, MJ; Heuts, J; Feijen, J; Grijpma, DW. (2010). Rapid photo-crosslinking of fumaric acid monoethyl ester-functionalized poly(trimethylene carbonate) oligomers for drug delivery applications. *J Control Release.* 147: 54-61. <http://dx.doi.org/10.1016/j.jconrel.2010.06.031>.
- Jansen, J; Bosman, MB; Boerakker, MJ; Feijen, J; Grijpma, DW. (2010). Photo-crosslinked poly(trimethylene carbonate)-fumarate/n-vinyl pyrrolidone networks for the controlled release of proteins. *J Control Release.* 148: e79-e80. <http://dx.doi.org/10.1016/j.jconrel.2010.07.016>.
- Jansen, J; Koopmans, SA; Los, LI; van der Worp, RJ; Podt, JG; Hooymans, JM; Feijen, J; Grijpma, DW. (2011). Intraocular degradation behavior of crosslinked and linear poly(trimethylene carbonate) and poly(D,L-lactic acid). *Biomaterials.* 32: 4994-5002. <http://dx.doi.org/10.1016/j.biomaterials.2011.03.062>.
- Jantschak, F; Popp, AM; Hofmann, RA; Villalón, CM; Centurión, D; Pertz, HH. (2010). Postjunctional α 2C-adrenoceptors mediate vasoconstriction in rat tail artery: influence of precontraction and temperature on vasoreactivity. *Naunyn Schmiedebergs Arch Pharmacol.* 382: 487-497. <http://dx.doi.org/10.1007/s00210-010-0564-z>.
- Jasmann, JR; Borch, T; Sale, TC; Blotevogel, J. (2016). Advanced Electrochemical Oxidation of 1,4-Dioxane via Dark Catalysis by Novel Titanium Dioxide (TiO₂) Pellets. *Environ Sci Technol.* 50: 8817-8826. <http://dx.doi.org/10.1021/acs.est.6b02183>.
- Jayabharathi, J; Thanikachalam, V; Srinivasan, N; Saravanan, K. (2011). Synthesis, structure, luminescent and intramolecular proton transfer in some imidazole derivatives. *J Fluoresc.* 21: 595-606. <http://dx.doi.org/10.1007/s10895-010-0747-5>.
- Jayabharathi, J; Thanikachalam, V; Vennila, M; Jayamoorthy, K. (2012). Potential fluorescent chemosensor based on L-tryptophan derivative: DFT based ESPT process. *Spectrochim Acta A Mol Biomol Spectrosc.* 95: 446-451. <http://dx.doi.org/10.1016/j.saa.2012.04.017>.
- Jefford, CW. (2012). Synthetic Peroxides as Potent Antimalarials. *News and Views. Curr Top Med Chem.* 12: 373-399.
- Jelonek, K; Kasperczyk, J; Li, S; Dobrzynski, P; Jarzabek, B. (2011). Controlled poly(l-lactide-co-trimethylene carbonate) delivery system of cyclosporine A and rapamycin--the effect of copolymer chain microstructure on drug release rate. *Int J Pharm.* 414: 203-209. <http://dx.doi.org/10.1016/j.ijpharm.2011.05.035>.
- Jensen, J; Rölling, JH; Le, DQ; Kristiansen, AA; Nygaard, JV; Hokland, LB; Bendtsen, M; Kassem, M; Lysdahl, H; Bünger, CE. (2014). Surface-modified functionalized polycaprolactone scaffolds for bone repair: in vitro and in vivo experiments. *J Biomed Mater Res A.* 102: 2993-3003. <http://dx.doi.org/10.1002/jbm.a.34970>.
- Jeon, BW; Lee, J; Kim, HS; Cho, DH; Lee, H; Chang, R; Kim, YH. (2013). Lipase-catalyzed enantioselective synthesis of (R,R)-lactide from alkyl lactate to produce PDLA (poly D-lactic acid) and stereocomplex PLA (poly lactic acid). *J Biotechnol.* 168: 201-207. <http://dx.doi.org/10.1016/j.jbiotec.2013.06.021>.
- Jeong, MG; van Hest, JC; Kim, KT. (2012). Self-assembly of dendritic-linear block copolymers with fixed molecular weight and block ratio. *Chem Commun (Camb).* 48: 3590-3592. <http://dx.doi.org/10.1039/c2cc17231c>.
- Jeong, Y; Moes, JR; Wagner, M; Holden, JE. (2012). The posterior hypothalamus exerts opposing effects on nociception via the A7 catecholamine cell group in rats. *Neuroscience.* 227: 144-153. <http://dx.doi.org/10.1016/j.neuroscience.2012.09.058>.
- Jezewska, A; Szewczyńska, M; Woźnica, A. (2014). [Occupational exposure to airborne chemical substances in paintings conservators]. *Med Pr.* 65: 33-41.
- Ji, LJ; Lai, KL; He, B; Wang, G; Song, LQ; Wu, Y; Gu, ZW. (2010). Study on poly(L-lactide-co-trimethylene carbonate): synthesis and cell compatibility of electrospun film. 5: 045009. <http://dx.doi.org/10.1088/1748-6041/5/4/045009>.
- Jiang, JC; Li, SC; Shih, PM; Hung, TC; Chang, SC; Lin, SH; Chang, HC. (2011). A high-pressure infrared spectroscopic study on the interaction of ionic liquids with PEO-PPO-PEO block copolymers and 1,4-dioxane. *J Phys Chem B.* 115: 883-888. <http://dx.doi.org/10.1021/jp109600c>.
- Jiang, X; Sha, X; Xin, H; Chen, L; Gao, X; Wang, X; Law, K; Gu, J; Chen, Y; Jiang, Y; Ren, X; Ren, Q; Fang, X. (2011). Self-aggregated pegylated poly(trimethylene carbonate) nanoparticles decorated with c(RGDyK) peptide for targeted paclitaxel delivery to integrin-rich tumors. *Biomaterials.* 32: 9457-9469. <http://dx.doi.org/10.1016/j.biomaterials.2011.08.055>.
- Jiang, X; Sha, X; Xin, H; Xu, X; Gu, J; Xia, W; Chen, S; Xie, Y; Chen, L; Chen, Y; Fang, X. (2013). Integrin-facilitated transcytosis for enhanced penetration of advanced gliomas by poly(trimethylene carbonate)-based nanoparticles encapsulating paclitaxel. *Biomaterials.* 34: 2969-2979. <http://dx.doi.org/10.1016/j.biomaterials.2012.12.049>.
- Jiang, X; Xin, H; Gu, J; Du, F; Feng, C; Xie, Y; Fang, X. (2014). Enhanced antitumor efficacy by d-glucosamine-functionalized and paclitaxel-loaded poly(ethylene glycol)-co-poly(trimethylene carbonate) polymer nanoparticles. *J Pharm Sci.* 103: 1487-1496. <http://dx.doi.org/10.1002/jps.23928>.

Human Health Hazard Literature Search Results

Off Topic

- Jiang, X; Xin, H; Gu, J; Xu, X; Xia, W; Chen, S; Xie, Y; Chen, L; Chen, Y; Sha, X; Fang, X. (2013). Solid tumor penetration by integrin-mediated pegylated poly(trimethylene carbonate) nanoparticles loaded with paclitaxel. *Biomaterials*. 34: 1739-1746. <http://dx.doi.org/10.1016/j.biomaterials.2012.11.016>.
- Jiang, X; Xin, H; Ren, Q; Gu, J; Zhu, L; Du, F; Feng, C; Xie, Y; Sha, X; Fang, X. (2014). Nanoparticles of 2-deoxy-D-glucose functionalized poly(ethylene glycol)-co-poly(trimethylene carbonate) for dual-targeted drug delivery in glioma treatment. *Biomaterials*. 35: 518-529. <http://dx.doi.org/10.1016/j.biomaterials.2013.09.094>.
- Jiang, X; Xin, H; Sha, X; Gu, J; Jiang, Y; Law, K; Chen, Y; Chen, L; Wang, X; Fang, X. (2011). PEGylated poly(trimethylene carbonate) nanoparticles loaded with paclitaxel for the treatment of advanced glioma: in vitro and in vivo evaluation. *Int J Pharm*. 420: 385-394. <http://dx.doi.org/10.1016/j.ijpharm.2011.08.052>.
- Jiang, Z; Hao, J; You, Y; Gu, Q; Cao, W; Deng, X. (2009). Biodegradable thermogelling hydrogel of P(CL-GL)-PEG-P(CL-GL) triblock copolymer: degradation and drug release behavior. *J Pharm Sci*. 98: 2603-2610. <http://dx.doi.org/10.1002/jps.21613>.
- Jin, X, in; Liu, B; Ni, Z; Wu, Q, i; Lin, X. (2011). A novel control of enzymatic enantioselectivity through the racemic temperature influenced by reaction media. *Enzyme Microb Technol*. 48: 454-457. <http://dx.doi.org/10.1016/j.enzmictec.2011.01.009>.
- Jinno, N; Hashimoto, M; Tsukagoshi, K. (2011). Experimental consideration of capillary chromatography based on tube radial distribution of ternary mixture carrier solvents under laminar flow conditions. *Anal Sci*. 27: 259-264.
- Johnson, AR; Vitha, MF. (2011). Chromatographic selectivity triangles [Review]. *J Chromatogr A*. 1218: 556-586. <http://dx.doi.org/10.1016/j.chroma.2010.09.046>.
- Jourdi, H; Hsu, YT; Zhou, M; Qin, Q; Bi, X; Baudry, M. (2009). Positive AMPA receptor modulation rapidly stimulates BDNF release and increases dendritic mRNA translation. *J Neurosci*. 29: 8688-8697. <http://dx.doi.org/10.1523/JNEUROSCI.6078-08.2009>.
- Jung, HA; Jin, SE; Ahn, BR; Lee, CM; Choi, JS. (2013). Anti-inflammatory activity of edible brown alga *Eisenia bicyclis* and its constituents fucosterol and phlorotannins in LPS-stimulated RAW264.7 macrophages. *Food Chem Toxicol*. 59: 199-206. <http://dx.doi.org/10.1016/j.fct.2013.05.061>.
- Kachaylo, EM; Yarushkin, AA; Pustyl'nyak, VO. (2012). Constitutive androstane receptor activation by 2,4,6-triphenyldioxane-1,3 suppresses the expression of the gluconeogenic genes. *Eur J Pharmacol*. 679: 139-143. <http://dx.doi.org/10.1016/j.ejphar.2012.01.007>.
- Kaihara, S; Fisher, JP; Matsumura, S. (2009). Chemo-enzymatic synthesis of degradable PTMC-b-PECA-b-PTMC triblock copolymers and their micelle formation for pH-dependent controlled release. *Macromol Biosci*. 9: 613-621. <http://dx.doi.org/10.1002/mabi.200800308>.
- Kalt, FR; Cock, IE. (2014). Gas chromatography-mass spectroscopy analysis of bioactive petalostigma extracts: Toxicity, antibacterial and antiviral activities. *Pharmacognosy Magazine*. 10: S37-S49. <http://dx.doi.org/10.4103/0973-1296.127338>.
- Kang, C; Cho, W; Park, M; Kim, J; Park, S; Shin, D; Song, C; Lee, D. (2016). H₂O₂-triggered bubble generating antioxidant polymeric nanoparticles as ischemia/reperfusion targeted nanotheranostics. *Biomaterials*. 85: 195-203. <http://dx.doi.org/10.1016/j.biomaterials.2016.01.070>.
- Kao, YT; Guo, X; Yang, Y; Liu, Z; Hassanali, A; Song, QH; Wang, L; Zhong, D. (2012). Ultrafast dynamics of nonequilibrium electron transfer in photoinduced redox cycle: solvent mediation and conformation flexibility. *J Phys Chem B*. 116: 9130-9140. <http://dx.doi.org/10.1021/jp304518f>.
- Karaki, S; Kuwahara, A. (2011). Propionate-induced epithelial K(+) and Cl(-)/HCO₃(-) secretion and free fatty acid receptor 2 (FFA2, GPR43) expression in the guinea pig distal colon. *Pflugers Arch*. 461: 141-152. <http://dx.doi.org/10.1007/s00424-010-0889-y>.
- Karbe, E; Kerlin, RL. (2002). Cystic degeneration/spongiosis hepatitis in rats. *Toxicol Pathol*. 30: 216-227. <http://dx.doi.org/10.1080/01926230275359551>.
- Karman, J; Tedstone, JL; Gumlaw, NK; Zhu, Y; Yew, N; Siegel, C; Guo, S; Siwkowski, A; Ruzek, M; Jiang, C; Cheng, SH. (2010). Reducing glycosphingolipid biosynthesis in airway cells partially ameliorates disease manifestations in a mouse model of asthma. *Int Immunol*. 22: 593-603. <http://dx.doi.org/10.1093/intimm/dxq044>.
- Karmanov, AP; Derkacheva, OY, u. (2013). Application of fourier transform infrared spectroscopy for the study of lignins of herbaceous plants. *Russian Journal of Bioorganic Chemistry*. 39: 677-685. <http://dx.doi.org/10.1134/S1068162013070066>.
- Karnoosh-Yamchi, J; Mobasseri, M; Akbarzadeh, A; Davaran, S; Ostad-Rahimi, AR; Hamishehkar, H; Salehi, R; Bahmani, Z; Nejati-Koshki, K; Darbin, A; Rahmati-Yamchi, M. (2014). Preparation of pH sensitive insulin-loaded nano hydrogels and evaluation of insulin releasing in different pH conditions. *Mol Biol Rep*. 41: 6705-6712. <http://dx.doi.org/10.1007/s11033-014-3553-3>.
- Kasai, T. (2008). 1,4-Dioxane toxicity studies [Personal Communication].
- Kasoju, N; Kubies, D; Sedlačik, T; Janoušková, O; Koubková, J; Kumorek, MM; Rypáček, F. (2016). Polymer scaffolds with no skin-effect for tissue engineering applications fabricated by thermally induced phase separation. 11: 015002. <http://dx.doi.org/10.1088/1748-6041/11/1/015002>.
- Kasper, P; Uno, Y; Mauthe, R; Asano, N; Douglas, G; Matthews, E; Moore, M; Mueller, L; Nakajima, M; Singer, T; Speit, G. (2007). Follow-up testing of rodent carcinogens not positive in the standard genotoxicity testing battery: IWGT workgroup report [Review]. *Mutat Res*. 627: 106-116. <http://dx.doi.org/10.1016/j.mrgentox.2006.10.007>.
- Kasuya, K; Shimazu, M; Abe, Y; Kikuchi, S; Itoi, T; Ikada, Y; Aoki, T; Tsuchida, A. (2010). A newly developed degradable stent for pancreaticojejunostomy after pancreatoduodenectomy. *Int Surg*. 95: 247-256.
- Katagiri, T; Nagano, K; Aiso, S; Senoh, H; Sakura, Y; Takeuchi, T; Okudaira, M. (1998). A pathological study on spontaneous hepatic neoplasms in BDF1 mice. *J Toxicol Pathol*. 11: 21-25. <http://dx.doi.org/10.1293/tox.11.21>.
- Kawata, K; Tanabe, A. (2009). Distribution and variation of 1,4-dioxane in water from rivers in Niigata including the Shinano River. *Bull Environ Contam Toxicol*. 82: 673-677. <http://dx.doi.org/10.1007/s00128-009-9697-5>.
- Kaweetripob, W; Mahidol, C; Prawat, H; Ruchirawat, S. (2013). Lupane, friedelane, oleanane, and ursane triterpenes from the stem of *Siphonodon celsastrineus* Griff. *Phytochemistry*. 96: 404-417. <http://dx.doi.org/10.1016/j.phytochem.2013.09.027>.

Human Health Hazard Literature Search Results

Off Topic

- Ke, J; Tang, Y; Yi, H; Li, Y; Cheng, Y; Liu, C; Lei, A. (2015). Copper-Catalyzed Radical/Radical C(sp³)-H/P-H Cross-Coupling: α -Phosphorylation of Aryl Ketone O-Acetyloximes. *Angew Chem Int Ed Engl.* 54: 6604-6607. <http://dx.doi.org/10.1002/anie.201501287>.
- Keasler, SJ; Charan, SM; Wick, CD; Economou, IG; Siepmann, JI. (2012). Transferable potentials for phase equilibria-united atom description of five- and six-membered cyclic alkanes and ethers. *J Phys Chem B.* 116: 11234-11246. <http://dx.doi.org/10.1021/jp302975c>.
- Kedia, N; Sarkar, A; Purkayastha, P; Bagchi, S. (2012). Ketocyanine dyes as sensors for proticity and pH of a medium. *Spectrochim Acta A Mol Biomol Spectrosc.* 95: 569-575. <http://dx.doi.org/10.1016/j.saa.2012.04.051>.
- Kegel, FS; Rietman, BM; Verliefde, AR. (2010). Reverse osmosis followed by activated carbon filtration for efficient removal of organic micropollutants from river bank filtrate. *Water Sci Technol.* 61: 2603-2610. <http://dx.doi.org/10.2166/wst.2010.166>.
- Kelly, AM; Wiesbrock, F. (2012). Strategies for the synthesis of poly(2-oxazoline)-based hydrogels. *Macromol Rapid Comm.* 33: 1632-1647. <http://dx.doi.org/10.1002/marc.201200333>.
- Kereiakes, DJ; Meredith, IT; Windecker, S; Lee Jobe, R; Mehta, S. R.; Sarembock, IJ; Feldman, RL; Stein, B; Dubois, C; Grady, T; Saito, S; Kimura, T; Christen, T; Allocco, DJ; Dawkins, KD. (2015). Efficacy and safety of a novel bioabsorbable polymer-coated, everolimus-eluting coronary stent: the EVOLVE II Randomized Trial. *Circulation Cardiovascular Interventions.* 8. <http://dx.doi.org/10.1161/CIRCINTERVENTIONS.114.002372>.
- Kerstein, RL; Sedaghati, T; Seifalian, AM; Kang, N. (2013). Effect of human urine on the tensile strength of sutures used for hypospadias surgery. *J Plast Reconstr Aesthet Surg.* 66: 835-838. <http://dx.doi.org/10.1016/j.bjps.2013.02.006>.
- Khalilullah, H; Khan, S; Ahsan, MJ; Ahmed, B. (2011). Synthesis and antihepatotoxic activity of 5-(2,3-dihydro-1,4-benzodioxane-6-yl)-3-substituted-phenyl-4,5-dihydro-1H-pyrazole derivatives. 21: 7251-7254. <http://dx.doi.org/10.1016/j.bmcl.2011.10.056>.
- Khamarui, S; Sarkar, D; Pandit, P; Maiti, DK. (2011). A fast and selective decarboxylative difunctionalization and cyclization for easy access to gem-dihalo alcohol, ether, ester and bromo-1,4-dioxane. *Chem Commun (Camb).* 47: 12667-12669. <http://dx.doi.org/10.1039/c1cc16126a>.
- Khan, E; Wirojanagud, W; Sermasai, N. (2009). Effects of iron type in Fenton reaction on mineralization and biodegradability enhancement of hazardous organic compounds. *J Hazard Mater.* 161: 1024-1034. <http://dx.doi.org/10.1016/j.jhazmat.2008.04.049>.
- Khan, SA; Asiri, AM; Asiria, AM; Yusuf, M. (2009). Synthesis and biological evaluation of some thiazolidinone derivatives of steroid as antibacterial agents. *Eur J Med Chem.* 44: 2597-2600. <http://dx.doi.org/10.1016/j.ejmech.2008.09.004>.
- Khan, SA; Asiri, AM; Sharma, K. (2013). Synthesis of steroidal thiazolidinones as antibacterial agents based on the in vitro and quantum chemistry calculation. *Medicinal Chemistry Research.* 22: 1998-2004. <http://dx.doi.org/10.1007/s00044-012-0155-2>.
- Kiernicki, JJ; Cladis, DP; Fanwick, PE; Zeller, M; Bart, SC. (2015). Synthesis, Characterization, and Stoichiometric U-O Bond Scission in Uranyl Species Supported by Pyridine(diimine) Ligand Radicals. *J Am Chem Soc.* 137: 11115-11125. <http://dx.doi.org/10.1021/jacs.5b06217>.
- Kikuchi, S; Kanoh, D; Sato, S; Sakurai, Y; Suzuki, M; Nakamura, H. (2016). Maleimide-functionalized closo-dodecaborate albumin conjugates (MID-AC): Unique ligation at cysteine and lysine residues enables efficient boron delivery to tumor for neutron capture therapy. *J Control Release.* 237: 160-167. <http://dx.doi.org/10.1016/j.jconrel.2016.07.017>.
- Kim, BS; Lee, J. (2013). Pore size reduction in directional crystallization processing of porous polymeric membranes. *J Nanosci Nanotechnol.* 13: 2276-2283. <http://dx.doi.org/10.1166/jnn.2013.7096>.
- Kim, EK; Tang, Y; Kim, YS; Hwang, JW; Choi, EJ; Lee, JH; Lee, SH; Jeon, YJ; Park, PJ. (2015). First evidence that Ecklonia cava-derived dieckol attenuates MCF-7 human breast carcinoma cell migration. *Mar Drugs.* 13: 1785-1797. <http://dx.doi.org/10.3390/md13041785>.
- Kim, H; Kong, CS; Lee, JI; Kim, H; Baek, S; Seo, Y. (2013). Evaluation of inhibitory effect of phlorotannins from Ecklonia cava on triglyceride accumulation in adipocyte. *J Agric Food Chem.* 61: 8541-8547. <http://dx.doi.org/10.1021/jf401454m>.
- Kim, JE; Lee, EJ; Kim, HE; Koh, YH; Jang, JH. (2012). The impact of immobilization of BMP-2 on PDO membrane for bone regeneration. *J Biomed Mater Res A.* 100: 1488-1493. <http://dx.doi.org/10.1002/jbm.a.34089>.
- Kim, JI; Kim, DY; Kwon, DY; Kang, HJ; Kim, JH; Min, BH; Kim, MS. (2012). An injectable biodegradable temperature-responsive gel with an adjustable persistence window. *Biomaterials.* 33: 2823-2834. <http://dx.doi.org/10.1016/j.biomaterials.2012.01.004>.
- Kim, JW; Taki, K; Nagamine, S; Ohshima, M. (2009). Preparation of porous poly(L-lactic acid) honeycomb monolith structure by phase separation and unidirectional freezing. *Langmuir.* 25: 5304-5312. <http://dx.doi.org/10.1021/la804057e>.
- Kim, KW; Lee, BH; Kim, S; Kim, HJ; Yun, JH; Yoo, SE; Sohn, JR. (2011). Reduction of VOC emission from natural flours filled biodegradable bio-composites for automobile interior. *J Hazard Mater.* 187: 37-43. <http://dx.doi.org/10.1016/j.jhazmat.2010.07.075>.
- Kim, S; Bedigrew, K; Guda, T; Maloney, WJ; Park, S; Wenke, JC; Yang, YP. (2014). Novel osteoinductive photo-cross-linkable chitosan-lactide-fibrinogen hydrogels enhance bone regeneration in critical size segmental bone defects. *Acta Biomater.* 10: 5021-5033. <http://dx.doi.org/10.1016/j.actbio.2014.08.028>.
- Kim, S; Kang, Y; Mercado-Pagán, ÁE; Maloney, WJ; Yang, Y. (2014). In vitro evaluation of photo-crosslinkable chitosan-lactide hydrogels for bone tissue engineering. *J Biomed Mater Res B Appl Biomater.* 102: 1393-1406. <http://dx.doi.org/10.1002/jbm.b.33118>.
- Kim, YM; Jeon, JR; Murugesan, K; Kim, EJ; Chang, YS. (2009). Biodegradation of 1,4-dioxane and transformation of related cyclic compounds by a newly isolated Mycobacterium sp. PH-06. *Biodegradation.* 20: 511-519. <http://dx.doi.org/10.1007/s10532-008-9240-0>.
- Kinne, M; Poraj-Kobielska, M; Ralph, SA; Ullrich, R; Hofrichter, M; Hammel, KE. (2009). Oxidative cleavage of diverse ethers by an extracellular fungal peroxygenase. *J Biol Chem.* 284: 29343-29349. <http://dx.doi.org/10.1074/jbc.M109.040857>.
- Kise, N; Isemoto, S; Sakurai, T. (2011). Electroreductive intramolecular coupling of phthalimides with aromatic aldehydes: application to the synthesis of lennoxamine. *J Org Chem.* 76: 9856-9860. <http://dx.doi.org/10.1021/jo2018735>.
- Kishimoto, N; Kitamura, T; Kato, M; Otsu, H. (2013). Reusability of iron sludge as an iron source for the electrochemical Fenton-type process using Fe²⁺/HOCl system. *Water Res.* 47: 1919-1927. <http://dx.doi.org/10.1016/j.watres.2013.01.021>.

Human Health Hazard Literature Search Results

Off Topic

- Kishimoto, N; Kitamura, T; Nakamura, Y. (2015). Applicability of an electrochemical Fenton-type process to actual wastewater treatment. *Water Sci Technol.* 72: 850-857. <http://dx.doi.org/10.2166/wst.2015.279>.
- Kishimoto, N; Nishimura, H. (2015). Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. *Environ Technol.* 36: 2436-2442. <http://dx.doi.org/10.1080/09593330.2015.1034187>.
- Kishimoto, N; Sugimura, E. (2010). Feasibility of an electrochemically assisted Fenton method using Fe(2+)/HOCl system as an advanced oxidation process. *Water Sci Technol.* 62: 2321-2329. <http://dx.doi.org/10.2166/wst.2010.203>.
- Klein, AP; Beach, ES; Emerson, JW; Zimmerman, JB. (2010). Accelerated solvent extraction of lignin from *Aleurites moluccana* (Candlenut) nutshells. *J Agric Food Chem.* 58: 10045-10048. <http://dx.doi.org/10.1021/jf1019856>.
- Kluin, OS; van der Mei, HC; Busscher, HJ; Neut, D. (2009). A surface-eroding antibiotic delivery system based on poly-(trimethylene carbonate). *Biomaterials.* 30: 4738-4742. <http://dx.doi.org/10.1016/j.biomaterials.2009.05.012>.
- Kluin, OS; van der Mei, HC; Busscher, HJ; Neut, D. (2013). Biodegradable vs non-biodegradable antibiotic delivery devices in the treatment of osteomyelitis [Review]. *Expert Opin Drug Deliv.* 10: 341-351. <http://dx.doi.org/10.1517/17425247.2013.751371>.
- Kodama, K; Kimura, Y; Shitara, H; Yasutake, M; Sakurai, R; Hirose, T. (2011). Solvent-induced chirality control in the enantioseparation of 1-phenylethylamine via diastereomeric salt formation. *Chirality.* 23: 326-332. <http://dx.doi.org/10.1002/chir.20922>.
- Koeller, S; Kadota, J; Deffieux, A; Peruch, F; Massip, S; Léger, JM; Desvergne, JP; Bibal, B. (2009). Ring-opening polymerization of L-lactide efficiently triggered by an amido-indole. X-ray structure of a complex between L-lactide and the hydrogen-bonding organocatalyst. *J Am Chem Soc.* 131: 15088-15089. <http://dx.doi.org/10.1021/ja906119t>.
- Köhler, J; Bergander, K; Fabian, J; Schepmann, D; Wünsch, B. (2012). Enantiomerically pure 1,3-dioxanes as highly selective NMDA and σ_1 receptor ligands. *J Med Chem.* 55: 8953-8957. <http://dx.doi.org/10.1021/jm301166m>.
- Koissi, N; Shah, NH; Ginevan, B; Eck, WS; Roebuck, BD; Fishbein, JC. (2012). Lactone metabolite common to the carcinogens dioxane, diethylene glycol, and N-nitrosomorpholine: aqueous chemistry and failure to mediate liver carcinogenesis in the F344 rat. *Chem Res Toxicol.* 25: 1022-1028. <http://dx.doi.org/10.1021/tx3000076>.
- Kök, G; Ay, K; Ay, E; Doğan, F; Kaya, I. (2014). Synthesis, characterization and non-isothermal decomposition kinetic of a new galactochloralose based polymer. *Carbohydr Polymer.* 101: 324-331. <http://dx.doi.org/10.1016/j.carbpol.2013.09.065>.
- Komotar, RJ; Starke, RM; Connolly, ES. (2011). The Effect of Endothelin Receptor Antagonists on Vasospasm Following Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery.* 69: N13-N14. <http://dx.doi.org/10.1227/01.neu.0000407918.14115.e5>.
- Komsta, Ł; Skibiński, R; Berecka, A; Gumieniczek, A; Radkiewicz, B; Radoń, M. (2010). Revisiting thin-layer chromatography as a lipophilicity determination tool—a comparative study on several techniques with a model solute set. *J Pharm Biomed Anal.* 53: 911-918. <http://dx.doi.org/10.1016/j.jpba.2010.06.024>.
- Kondempudi, CM; Singanaboina, R; Manchala, N; Gunda, VG; Janapala, VR; Yenamandra, V. (2009). Chemical examination of the *Sponge Phycopsis* sp. *Chem Pharm Bull (Tokyo).* 57: 990-992.
- Konerding, MA; Chantereau, P; Delventhal, V; Holste, JL; Ackermann, M. (2012). Biomechanical and histological evaluation of abdominal wall compliance with intraperitoneal onlay mesh implants in rabbits: a comparison of six different state-of-the-art meshes. *34: 806-816.* <http://dx.doi.org/10.1016/j.medengphy.2011.09.022>.
- Kong, CS; Kim, JA; Ahn, BN; Vo, TS; Yoon, NY; Kim, SK. (2010). 1-(3',5'-dihydroxyphenoxy)-7-(2'',4'',6''-trihydroxyphenoxy)-2,4,9-trihydroxydibenzo-1,4-dioxin inhibits adipocyte differentiation of 3T3-L1 fibroblasts. *Mar Biotechnol.* 12: 299-307. <http://dx.doi.org/10.1007/s10126-009-9224-z>.
- Kong, WL; Chai, ZY; Wang, ZX. (2014). Synthesis of N,N,O-chelate zinc and aluminum complexes and their catalysis in the ring-opening polymerization of ϵ -caprolactone and rac-lactide. *Dalton Transactions (Online).* 43: 14470-14480. <http://dx.doi.org/10.1039/c4dt01364f>.
- Kopylev, L; Fox, J; Chen, C. (2009). Combining risks from several tumors using Markov Chain Monte Carlo. In RM Cooke (Ed.), (1 ed., pp. 197-205). Hoboken, NJ: John Wiley & Sons.
- Kopytynska-Kasperczyk, A; Dobrzynski, P; Pastusiak, M; Jarzabek, B; Prochwicz, W. (2015). Local delivery system of doxycycline hyclate based on ϵ -caprolactone copolymers for periodontitis treatment. *Int J Pharm.* 491: 335-344. <http://dx.doi.org/10.1016/j.ijpharm.2015.06.034>.
- Korenman, I, al; Shormanov, VK; Mokshina, NI, a; Krivosheeva, OA; Klimanov, DV. (2012). [Peculiarities of extraction of 6-mercaptopurine and azathioprine from aqueous saline solutions]. *Sud Med Ekspert.* 55: 38-41.
- Kornreich, DA; Cha, C; Kaley, K; Saif, MW. (2013). Allergic contact dermatitis associated with Biosyn suture in a patient with gastroesophageal junction cancer. *Cutan Ocul Toxicol.* 32: 166-167. <http://dx.doi.org/10.3109/15569527.2012.676120>.
- Kosenkov, D; Slipchenko, LV. (2011). Solvent effects on the electronic transitions of p-nitroaniline: a QM/EFP study. *J Phys Chem A.* 115: 392-401. <http://dx.doi.org/10.1021/jp110026c>.
- Kosińska, A; Penkacik, K; Wiczowski, W; Amarowicz, R. (2011). Presence of caffeic acid in flaxseed lignan macromolecule. *Plant Foods Hum Nutr.* 66: 270-274. <http://dx.doi.org/10.1007/s11130-011-0245-1>.
- Košiová, I; Šimák, O; Panova, N; Buděšínský, M; Petrová, M; Rejman, D; Liboska, R; Páv, O; Rosenberg, I. (2014). Inhibition of human thymidine phosphorylase by conformationally constrained pyrimidine nucleoside phosphonic acids and their "open-structure" isosteres. *Eur J Med Chem.* 74: 145-168. <http://dx.doi.org/10.1016/j.ejmech.2013.12.026>.
- Kosyakov, DS; Ul'yanovskii, NV; Anikeenko, EA; Gorbova, NS. (2016). Negative ion mode atmospheric pressure ionization methods in lignin mass spectrometry: A comparative study. *Rapid Commun Mass Spectrom.* 30: 2099-2108. <http://dx.doi.org/10.1002/rcm.7686>.
- Kotorman, M; Cseri, A; Laczko, I; Simon, LM. (2009). Stabilization of alpha-chymotrypsin in aqueous organic solvents by chemical modification with organic acid anhydrides. *Journal of Molecular Catalysis B: Enzymatic.* 59: 153-157. <http://dx.doi.org/10.1016/j.molcatb.2009.02.006>.

Human Health Hazard Literature Search Results

Off Topic

- Kowalski, K; Goszczyński, T; Leśnikowski, ZJ; Boratyński, J. (2015). Synthesis of lysozyme-metallacarborane conjugates and the effect of boron cluster modification on protein structure and function. *Chembiochem*. 16: 424-431. <http://dx.doi.org/10.1002/cbic.201402611>.
- Krabbe, SW; Do, DT; Johnson, JS. (2012). Cu(II)-catalyzed aerobic hydroperoxidation of Meldrum's acid derivatives and application in intramolecular oxidation: a conceptual blueprint for O₂/H₂ dihydroxylation. *Org Lett*. 14: 5932-5935. <http://dx.doi.org/10.1021/ol302848m>.
- Kratz, K; Habermann, R; Becker, T; Richau, K; Lendlein, A. (2011). Shape-memory properties and degradation behavior of multifunctional electrospun scaffolds. *Int J Artif Organs*. 34: 225-230.
- Kreipke, CW; Rafols, JA; Reynolds, CA; Schafer, S; Marinica, A; Bedford, C; Fronczak, M; Kuhn, D; Armstead, WM. (2011). Clazosentan, a novel endothelin A antagonist, improves cerebral blood flow and behavior after traumatic brain injury. *Neurol Res*. 33: 208-213. <http://dx.doi.org/10.1179/016164111X12881719352570>.
- Kroeger, A; Zhang, B; Rosenauer, C; Schlüter, AD; Wegner, G. (2013). Solvent induced phenomena in a dendronized linear polymer. *Colloid and Polymer Science*. 291: 2879-2892. <http://dx.doi.org/10.1007/s00396-013-3007-9>.
- Krojer, M; Müller, C; Bracher, F. (2014). Steroidomimetic aminomethyl spiroacetals as novel inhibitors of the enzyme Δ 8,7-sterol isomerase in cholesterol biosynthesis. *Arch Pharm (Weinheim)*. 347: 108-122. <http://dx.doi.org/10.1002/ardp.201300296>.
- Krzek, J, an; Zuromska-Witek, B; Hubicka, U; Kaczmarska, M. (2015). Chromatographic-Densitometric Analysis of Chosen Fluoroquinolones on TLC Plates Using Mobile Phases with Different Viscosity. *Journal of Liquid Chromatography and Related Technologies*. 38: 1113-1120. <http://dx.doi.org/10.1080/10826076.2015.1028290>.
- Kubota, Y; Sakuma, Y; Funabiki, K; Matsui, M. (2014). Solvatochromic fluorescence properties of pyrazine-boron complex bearing a β -iminoenolate ligand. *J Phys Chem A*. 118: 8717-8729. <http://dx.doi.org/10.1021/jp506680g>.
- Kügler, F; Sihver, W; Ermert, J; Hübner, H; Gmeiner, P; Prante, O; Coenen, HH. (2011). Evaluation of 18F-labeled benzodioxine piperazine-based dopamine D₄ receptor ligands: lipophilicity as a determinate of nonspecific binding. *J Med Chem*. 54: 8343-8352. <http://dx.doi.org/10.1021/jm200762g>.
- Kuila, SB; Ray, SK. (2014). Dehydration of dioxane by pervaporation using filled blend membranes of polyvinyl alcohol and sodium alginate. *Carbohydr Polymer*. 101: 1154-1165. <http://dx.doi.org/10.1016/j.carbpol.2013.09.086>.
- Kum, CH; Cho, Y; Seo, SH; Joung, YK; Ahn, DJ; Han, DK. (2014). A poly(lactide) stereocomplex structure with modified magnesium oxide and its effects in enhancing the mechanical properties and suppressing inflammation. *Small*. 10: 3783-3794. <http://dx.doi.org/10.1002/smll.201302880>.
- Kumar, A; Vyas, G; Bhatt, M; Bhatt, S; Paul, P. (2015). Silver nanoparticle based highly selective and sensitive solvatochromatic sensor for colorimetric detection of 1,4-dioxane in aqueous media. *Chem Commun (Camb)*. 51: 15936-15939. <http://dx.doi.org/10.1039/c5cc06744h>.
- Kumari, A; Gupta, R. (2015). Functional Characterisation of Novel Enantioselective Lipase TALipA from *Trichosporon asahii* MSR54: Sequence Comparison Revealed New Signature Sequence AXSXX Among Yeast Lipases. *Appl Biochem Biotechnol*. 175: 360-371. <http://dx.doi.org/10.1007/s12010-014-1268-5>.
- Kumari, A; Gupta, R. (2015). Functional characterization of a novel aspartic acid rich lipase, TALipC, from *Trichosporon asahii* MSR54: solvent-dependent enantio inversion during esterification of 1-phenylethanol. *Biotechnol Lett*. 37: 121-130. <http://dx.doi.org/10.1007/s10529-014-1648-5>.
- Kumbharkhane, AC; Shinde, MN; Mehrotra, SC; Oshiki, N; Shinyashiki, N; Yagihara, S; Sudo, S. (2009). Structural behavior of alcohol-1,4-dioxane mixtures through dielectric properties using TDR. *J Phys Chem A*. 113: 10196-10201. <http://dx.doi.org/10.1021/jp904845p>.
- Kunanopparat, T; Menut, P; Morel, MH; Guilbert, S. (2009). Modification of the wheat gluten network by Kraft lignin addition. *J Agric Food Chem*. 57: 8526-8533. <http://dx.doi.org/10.1021/jf901183z>.
- Kundashev, UK; Salenko, YA; Morozov, IS; Zurdinov, AZ; Barchukov, VG. (2016). [EFFECT OF MEDIATOR-TYPE DRUGS ON HUMAN PSYCHOPHYSIOLOGICAL STATUS DURING MODEL OPERATOR ACTIVITY]. *Eksp Klin Farmakol*. 79: 9-13.
- Kupczewska-Dobecka, M; Czerczak, S; Jakubowski, M; Maciaszek, P; Janasik, B. (2010). [Application of predictive model to estimate concentrations of chemical substances in the work environment]. *Med Pr*. 61: 307-314.
- Kwon, J; Kim, J; Park, S; Khang, G; Kang, PM; Lee, D. (2013). Inflammation-responsive antioxidant nanoparticles based on a polymeric prodrug of vanillin. *Biomacromolecules*. 14: 1618-1626. <http://dx.doi.org/10.1021/bm400256h>.
- Lagiseti, C; Pourpak, A; Goronga, T; Jiang, Q; Cui, XL; Hyle, J; Lahti, JM; Morris, SW; Webb, TR. (2009). Synthetic mRNA Splicing Modulator Compounds with in Vivo Antitumor Activity. *J Med Chem*. 52: 6979-6990. <http://dx.doi.org/10.1021/jm901215m>.
- Lagzian, M; Latifi, AM; Bassami, MR; Mirzaei, M. (2014). An ice nucleation protein from *Fusarium acuminatum*: cloning, expression, biochemical characterization and computational modeling. *Biotechnol Lett*. 36: 2043-2051. <http://dx.doi.org/10.1007/s10529-014-1568-4>.
- Lamprou, A; Gavriilidou, AF; Storti, G; Soos, M; Morbidelli, M. (2015). Application of polymeric macroporous supports for temperature-responsive chromatography of pharmaceuticals. *J Chromatogr A*. 1407: 90-99. <http://dx.doi.org/10.1016/j.chroma.2015.06.028>.
- Lannutti, F; Marrone, A; Re, N. (2011). Prediction of the PPAR α agonism of fibrates by combined MM-docking approaches. 29: 865-875. <http://dx.doi.org/10.1016/j.jmgm.2011.02.002>.
- Larobina, D; Guarino, V; Ambrosio, L. (2012). Modeling of phase separation mechanism in polycaprolactone/dioxane binary systems. 10: 237-242. <http://dx.doi.org/10.5301/JABFM.2012.10363>.
- Larrañaga, A; Alonso-Varona, A; Palomares, T; Rubio-Azpeitia, E; Aldazabal, P; Martin, FJ; Sarasua, JR. (2015). Effect of bioactive glass particles on osteogenic differentiation of adipose-derived mesenchymal stem cells seeded on lactide and caprolactone based scaffolds. *J Biomed Mater Res A*. 103: 3815-3824. <http://dx.doi.org/10.1002/jbm.a.35525>.

Human Health Hazard Literature Search Results

Off Topic

- Larrañaga, A; Diamanti, E; Rubio, E; Palomares, T; Alonso-Varona, A; Aldazabal, P; Martin, FJ; Sarasua, JR. (2014). A study of the mechanical properties and cytocompatibility of lactide and caprolactone based scaffolds filled with inorganic bioactive particles. *Mater Sci Eng C*. 42: 451-460. <http://dx.doi.org/10.1016/j.msec.2014.05.061>.
- Larsen, SD; Wilson, MW; Abe, A; Shu, L; George, CH; Kirchhoff, P; Showalter, HD; Xiang, J; Keep, RF; Shayman, JA. (2012). Property-based design of a glucosylceramide synthase inhibitor that reduces glucosylceramide in the brain. *J Lipid Res*. 53: 282-291. <http://dx.doi.org/10.1194/jlr.M021261>.
- Laurila, JM; Wissel, G; Xhaard, H; Ruuskanen, JO; Johnson, MS; Scheinin, M. (2011). Involvement of the first transmembrane segment of human $\alpha(2)$ -adrenoceptors in the subtype-selective binding of chlorpromazine, spiperone and spiroxatrine. *Br J Pharmacol*. 164: 1558-1572. <http://dx.doi.org/10.1111/j.1476-5381.2011.01520.x>.
- Lavado, N; Ávalos, M; Babiano, R; Cintas, P; Light, ME; Jiménez, JL; Palacios, JC. (2016). On the Plausibility of Pseudosugar Formation in Cometary Ices and Oxygen-rich Tholins. Origins of Life and Evolution of Biospheres. 46: 31-49. <http://dx.doi.org/10.1007/s11084-015-9456-z>.
- Lavilla, C; Alla, A; Martínez de Ilarduya, A; Muñoz-Guerra, S. (2013). High T(g) bio-based aliphatic polyesters from bicyclic D-mannitol. *Biomacromolecules*. 14: 781-793. <http://dx.doi.org/10.1021/bm301854c>.
- Lee, AL; Venkataraman, S; Sirat, SB; Gao, S; Hedrick, JL; Yang, YY. (2012). The use of cholesterol-containing biodegradable block copolymers to exploit hydrophobic interactions for the delivery of anticancer drugs. *Biomaterials*. 33: 1921-1928. <http://dx.doi.org/10.1016/j.biomaterials.2011.11.032>.
- Lee, CH; Cook, TR; Nocera, DG. (2011). HX addition and photochemical H₂ elimination by Ni NHC complexes. *Inorg Chem*. 50: 714-716. <http://dx.doi.org/10.1021/ic102017t>.
- Lee, CS; Le Thanh, T; Kim, EJ; Gong, J; Chang, YY; Chang, YS. (2014). Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. *Bioresour Technol*. 171: 59-65. <http://dx.doi.org/10.1016/j.biortech.2014.08.039>.
- Lee, IS; Sim, WJ; Kim, CW; Chang, YS; Oh, JE. (2011). Characteristic occurrence patterns of micropollutants and their removal efficiencies in industrial wastewater treatment plants. *J Environ Monit*. 13: 391-397. <http://dx.doi.org/10.1039/c0em00130a>.
- Lee, KC; Beak, HJ; Choo, KH. (2015). Membrane photoreactor treatment of 1,4-dioxane-containing textile wastewater effluent: Performance, modeling, and fouling control. *Water Res*. 86: 58-65. <http://dx.doi.org/10.1016/j.watres.2015.05.017>.
- Lee, SS; Lin, YS; Chen, CK. (2009). Three adducts of butenolide and apigenin glycoside from the leaves of *Machilus japonica*. *J Nat Prod*. 72: 1249-1252. <http://dx.doi.org/10.1021/np9000653>.
- Lee, T; Wang, YW. (2009). Initial salt screening procedures for manufacturing ibuprofen. *Drug Dev Ind Pharm*. 35: 555-567. <http://dx.doi.org/10.1080/03639040802459452>.
- Lehto, J; Hirvonen, MM; Johansson, J; Kemppainen, J; Luoto, P; Naukarinen, T; Oikonen, V; Arponen, E; Rouru, J; Sallinen, J; Scheinin, H; Vuorilehto, L; Finnema, SJ; Halldin, C; Rinne, JO; Scheinin, M. (2015). Validation of [(11)C]ORM-13070 as a PET tracer for α_2c -adrenoceptors in the human brain. *Synapse*. 69: 172-181. <http://dx.doi.org/10.1002/syn.21798>.
- Lehto, J; Scheinin, A; Johansson, J; Marjamäki, P; Arponen, E; Scheinin, H; Scheinin, M. (2016). Detecting a dexmedetomidine-evoked reduction of noradrenaline release in the human brain with the α_2c -adrenoceptor PET ligand [(11)C]ORM-13070. *Synapse*. 70: 57-65. <http://dx.doi.org/10.1002/syn.21872>.
- Lehto, J; Virta, JR; Oikonen, V; Roivainen, A; Luoto, P; Arponen, E; Helin, S; Hietamäki, J; Holopainen, A; Kailajärvi, M; Peltonen, JM; Rouru, J; Sallinen, J; Virtanen, K; Volanen, I; Scheinin, M; Rinne, JO. (2015). Test-retest reliability of (11)C-ORM-13070 in PET imaging of α_2c -adrenoceptors in vivo in the human brain. *Eur J Nucl Med Mol Imaging*. 42: 120-127. <http://dx.doi.org/10.1007/s00259-014-2899-z>.
- Lendlein, A; Zotzmann, J; Feng, Y; Altheheld, A; Kelch, S. (2009). Controlling the switching temperature of biodegradable, amorphous, shape-memory poly(rac-lactide)urethane networks by incorporation of different comonomers. *Biomacromolecules*. 10: 975-982. <http://dx.doi.org/10.1021/bm900038e>.
- Lesage, S; Jackson, RE; Priddle, MW; Riemann, PG. (1990). Occurrence and fate of organic solvent residues in anoxic groundwater at the Gloucester landfill, Canada. *Environ Sci Technol*. 24: 559-566. <http://dx.doi.org/10.1021/es00074a016>.
- Leung, WP; Chiu, WK; Mak, TC. (2013). Synthesis and structural characterization of base-stabilized oligomeric heterovinylidenes. *Inorg Chem*. 52: 9479-9486. <http://dx.doi.org/10.1021/ic4011345>.
- Leutritz, T; Hilfert, L; Smalla, KH; Speck, O; Zhong, K. (2013). Accurate quantification of water-macromolecule exchange induced frequency shift: effects of reference substance. *Magn Reson Med*. 69: 263-268. <http://dx.doi.org/10.1002/mrm.24223>.
- Lewandowski, TA; Rhomberg, LR. (2005). A proposed methodology for selecting a trichloroethylene inhalation unit risk value for use in risk assessment [Review]. *Regul Toxicol Pharmacol*. 41: 39-54. <http://dx.doi.org/10.1016/j.yrtph.2004.09.003>.
- Lewin, JM; Ostad, A; Brauer, JA. (2013). Surgical corner: a poliglecaprone 25-only approach to wound closure: cosmetic and financial advantages. *J Drugs Dermatol*. 12: 341-342.
- Lewis, RJ, Sr. (2000). *Sax's Dangerous Properties of Industrial Materials* (10 ed.). New York, NY: John Wiley & Sons, Inc.
- Li, C; Wang, L; Jiang, Y; Hu, M; Li, S; Zhai, Q. (2011). Activity and stability of chloroperoxidase in the presence of small quantities of polysaccharides: a catalytically favorable conformation was induced. *Appl Biochem Biotechnol*. 165: 1691-1707. <http://dx.doi.org/10.1007/s12010-011-9388-7>.
- Li, CY; Liu, DC; Ko, BT. (2013). Synthesis, characterization and reactivity of single-site aluminium amides bearing benzotriazole phenoxide ligands: catalysis for ring-opening polymerization of lactide and carbon dioxide/propylene oxide coupling. *Dalton Transactions (Online)*. 42: 11488-11496. <http://dx.doi.org/10.1039/c3dt51003d>.

Human Health Hazard Literature Search Results

Off Topic

- Li, D; Gao, N; Zhu, N; Lin, Y; Li, Y; Chen, M; You, X; Lu, Y; Wan, K; Jiang, JD; Jiang, W; Si, S. (2015). Discovery of the disubstituted oxazole analogues as a novel class anti-tuberculosic agents against MDR- and XDR-MTB. 25: 5178-5181. <http://dx.doi.org/10.1016/j.bmcl.2015.09.072>.
- Li, DZ; Tang, YB; Kang, ZY; Chen, RY; Yu, DQ. (2009). Synthesis of the anti-virus compound shuangkangsu's analogs. J Asian Nat Prod Res. 11: 613-620. <http://dx.doi.org/10.1080/10286020902971029>.
- Li, FB; You, X; Liu, TX; Wang, GW. (2012). Fullerenyl boronic esters: ferric perchlorate-mediated synthesis and functionalization. Org Lett. 14: 1800-1803. <http://dx.doi.org/10.1021/ol300398n>.
- Li, H; Boonnak, N; Padwa, A. (2011). N-alkenyl indoles as useful intermediates for alkaloid synthesis. J Org Chem. 76: 9488-9496. <http://dx.doi.org/10.1021/jo201955c>.
- Li, H; Zhong, H; Xu, K; Yang, K; Liu, J; Zhang, B; Zheng, F; Xia, Y; Tan, L; Hong, D. (2011). Enhanced efficacy of sirolimus-eluting bioabsorbable magnesium alloy stents in the prevention of restenosis. J Endovasc Ther. 18: 407-415. <http://dx.doi.org/10.1583/10-3353.1>.
- Li, J; Ma, Q; Li, W; Wang, C; Bai, H; Ma, H; Cai, T; Jiao, Y; Zhang, X. (2013). [Determination of dioxane residue in cosmetics by isotope dilution-headspace gas chromatography-mass spectrometry]. Sepu. 31: 481-484.
- Li, K; Huang, J; Gao, H; Zhong, Y; Cao, X; Chen, Y; Zhang, L; Cai, J. (2016). Reinforced Mechanical Properties and Tunable Biodegradability in Nanoporous Cellulose Gels: Poly(L-lactide-co-caprolactone) Nanocomposites. Biomacromolecules. 17: 1506-1515. <http://dx.doi.org/10.1021/acs.biomac.6b00109>.
- Li, M; Fiorenza, S; Chatham, JR; Mahendra, S; Alvarez, PJJ. (2010). 1,4-Dioxane biodegradation at low temperatures in Arctic groundwater samples. Water Res. 44: 2894-2900. <http://dx.doi.org/10.1016/j.watres.2010.02.007>.
- Li, M; Liu, Y; He, Y; Mathieu, J; Hatton, J; Diguseppi, W; Alvarez, PJ. (2017). Hindrance of 1,4-dioxane biodegradation in microcosms biostimulated with inducing or non-inducing auxiliary substrates. Water Res. 112: 217-225. <http://dx.doi.org/10.1016/j.watres.2017.01.047>.
- Li, M; Mathieu, J; Yang, Y; Fiorenza, S; Deng, Y; He, Z; Zhou, J; Alvarez, PJ. (2013). Widespread distribution of soluble di-iron monooxygenase (SDIMO) genes in Arctic groundwater impacted by 1,4-dioxane. Environ Sci Technol. 47: 9950-9958. <http://dx.doi.org/10.1021/es402228x>.
- Li, M; Van Orden, ET; Devries, DJ; Xiong, Z; Hinchee, R; Alvarez, PJ. (2015). Bench-scale biodegradation tests to assess natural attenuation potential of 1,4-dioxane at three sites in California. Biodegradation. 26: 39-50. <http://dx.doi.org/10.1007/s10532-014-9714-1>.
- Li, P; Menche, D. (2009). Cycloadditions in the total synthesis of sporelone B [Comment]. Angew Chem Int Ed Engl. 48: 5078-5080. <http://dx.doi.org/10.1002/anie.200901894>.
- Li, S; Chen, X; Li, M. (2011). Effect of some factors on fabrication of poly(L-lactic acid) microporous foams by thermally induced phase separation using N,N-dimethylacetamide as solvent. 41: 53-72. <http://dx.doi.org/10.1080/10826068.2010.534222>.
- Li, S; Meng, F; Wang, Z; Zhong, Y; Zheng, M; Liu, H; Zhong, Z. (2012). Biodegradable polymersomes with an ionizable membrane: facile preparation, superior protein loading, and endosomal pH-responsive protein release. 82: 103-111. <http://dx.doi.org/10.1016/j.ejpb.2012.05.009>.
- Li, T; Li, C. (2013). Quantitative and stereospecific dihydroxylations of $\delta(5)$ -steroids: a green synthesis of plant growth hormone intermediates. J Agric Food Chem. 61: 12522-12530. <http://dx.doi.org/10.1021/jf404633y>.
- Li, W; Xue, M; Tu, J; Zhang, Y; Shen, Q. (2012). Syntheses and structures of lanthanide borohydrides supported by a bridged bis(amidinate) ligand and their high activity for controlled polymerization of ϵ -caprolactone, L-lactide and rac-lactide. Dalton Transactions (Online). 41: 7258-7265. <http://dx.doi.org/10.1039/c2dt30096f>.
- Li, W; Yin, Z; Jiang, X; Sun, P. (2011). Palladium-catalyzed direct ortho C-H arylation of 2-arylpyridine derivatives with aryltrimethoxysilane. J Org Chem. 76: 8543-8548. <http://dx.doi.org/10.1021/jo2016168>.
- Li, W; Yuan, W; Pindi, S; Shi, M; Li, G. (2010). Au/Ag-catalyzed intramolecular ring-opening of vinylidene-cyclopropanes (VDCPs): an easy access to functional tetrahydropyrans. Org Lett. 12: 920-923. <http://dx.doi.org/10.1021/ol902832s>.
- Li, Y; Huang, X; Zhang, M; Li, Y; Chen, Y; Jia, J. (2015). [BIOCOMPATIBILITY OF POLY-LACTIDE-CO-GLYCOLIDE/COLLAGEN TYPE I SCAFFOLD WITH RAT VAGINAL EPITHELIAL CELLS]. Zhongguo Xiu Fu Chong Jian Wai Ke Za Zhi. 29: 1144-1149.
- Li, Y; Mondal, KC; Roesky, HW; Zhu, H; Stollberg, P; Herbst-Irmer, R; Stalke, D; Andrada, DM. (2013). Acyclic germynes: congeners of allenes with a central germanium atom. J Am Chem Soc. 135: 12422-12428. <http://dx.doi.org/10.1021/ja406112u>.
- Liao, BS; Liu, YH; Peng, SM; Liu, ST. (2012). Efficient oxidative coupling of 2,6-disubstituted phenol catalyzed by a dicopper(II) complex. Dalton Transactions (Online). 41: 1158-1164. <http://dx.doi.org/10.1039/c1dt11065a>.
- Liao, H; Walboomers, XF; Habraken, WJ; Zhang, Z; Li, Y; Grijpma, DW; Mikos, AG; Wolke, JG; Jansen, JA. (2011). Injectable calcium phosphate cement with PLGA, gelatin and PTMC microspheres in a rabbit femoral defect. Acta Biomater. 7: 1752-1759. <http://dx.doi.org/10.1016/j.actbio.2010.12.020>.
- Lide, DR. (2000). CRC handbook of chemistry and physics. In DR Lide (Ed.), (81 ed., pp. 3-46). Boca Raton, FL: CRC Press.
- Lin, J; Lai, J; Lin, W; Wu, C; Xu, S. (2012). [Preparation and biocompatibility of a novel biomimetic osteochondral scaffold: collagen-chitosan/nano-hydroxyapatite-collagen-poly(lactic acid)]. Zhongguo Xiu Fu Chong Jian Wai Ke Za Zhi. 26: 1001-1006.
- Lin, SQ; Zhou, ZL; Yin, WQ. (2016). Three New Polyphenolic Acids from the Leaves of Eucalyptus citriodora with Antivirus Activity. Chem Pharm Bull (Tokyo). 64: 1641-1646. <http://dx.doi.org/10.1248/cpb.c16-00362>.
- Lin, Z; Han, D; Li, S; Li, Y; Yuan, T. (2009). Combustion intermediates in fuel-rich 1,4-dioxane flame studied by tunable synchrotron vacuum ultraviolet photoionization. J Phys Chem A. 113: 1800-1806. <http://dx.doi.org/10.1021/jp8098895>.
- Liu, CL; Wang, MJ; Wu, G; You, J; Chen, SC; Liu, Y; Wang, YZ. (2014). Preparation of core-shell nanofibers with selectively localized CNTs from Shish Kebab-like hierarchical composite micelles. Macromol Rapid Comm. 35: 1450-1457. <http://dx.doi.org/10.1002/marc.201400261>.

Human Health Hazard Literature Search Results

Off Topic

- Liu, D; Liu, C; Li, H; Lei, A. (2013). Direct functionalization of tetrahydrofuran and 1,4-dioxane: nickel-catalyzed oxidative C(sp³)-H arylation. *Angew Chem Int Ed Engl.* 52: 4453-4456. <http://dx.doi.org/10.1002/anie.201300459>.
- Liu, F; Yang, J; Fan, Z; Li, S; Kasperczyk, J; Dobrzynski, P. (2012). Enzyme-catalyzed degradation of biodegradable polymers derived from trimethylene carbonate and glycolide by lipases from *Candida antarctica* and Hog pancreas. *J Biomater Sci Polym Ed.* 23: 1355-1368. <http://dx.doi.org/10.1163/092050611X581525>.
- Liu, H; Xu, X; Peng, H; Chang, X; Fu, X; Li, Q; Yin, S; Blanchard, GJ; Fang, Y. (2016). New solvatochromic probes: performance enhancement via regulation of excited state structures. *Phys Chem Chem Phys.* 18: 25210-25220. <http://dx.doi.org/10.1039/c6cp04293g>.
- Liu, H; Xu, X; Shi, Z; Liu, K; Fang, Y. (2016). Solvatochromic Probes Displaying Unprecedented Organic Liquids Discriminating Characteristics. *Anal Chem.* 88: 10167-10175. <http://dx.doi.org/10.1021/acs.analchem.6b02721>.
- Liu, J; Jiang, Z; Zhang, S; Liu, C; Gross, RA; Kyriakides, TR; Saltzman, WM. (2011). Biodegradation, biocompatibility, and drug delivery in poly(ω -pentadecalactone-co-p-dioxanone) copolyesters. *Biomaterials.* 32: 6646-6654. <http://dx.doi.org/10.1016/j.biomaterials.2011.05.046>.
- Liu, J; Ma, H. (2014). Aluminum complexes with bidentate amido ligands: synthesis, structure and performance on ligand-initiated ring-opening polymerization of rac-lactide. *Dalton Transactions (Online).* 43: 9098-9110. <http://dx.doi.org/10.1039/c4dt00353e>.
- Liu, LJ; Kim, E; Hong, JH. (2011). Synthesis of novel 6'-spirocyclopropyl-5'-norcarbocyclic adenosine phosphonic Acid analogues as potent anti-hiv agents. 30: 784-797. <http://dx.doi.org/10.1080/15257770.2011.602656>.
- Liu, S; He, Z; Xu, G; Xiao, X. (2014). Fabrication of polycaprolactone nanofibrous scaffolds by facile phase separation approach. *Mater Sci Eng C.* 44: 201-208. <http://dx.doi.org/10.1016/j.msec.2014.08.012>.
- Liu, T; Fujita, T; Kumamoto, E. (2011). Acetylcholine and norepinephrine mediate GABAergic but not glycinergic transmission enhancement by melittin in adult rat substantia gelatinosa neurons. *J Neurophysiol.* 106: 233-246. <http://dx.doi.org/10.1152/jn.00838.2010>.
- Liu, X; Chen, W; Gustafson, CT; Miller, AL; Waletzki, BE; Yaszemski, MJ; Lu, L. (2015). Tunable tissue scaffolds fabricated by in situ crosslink in phase separation system. *RSC Advances.* 5: 100824-100833. <http://dx.doi.org/10.1039/C5RA19406G>.
- Liu, XH; Wang, CP; Wang, JF; Xu, YZ; Chu, FX. (2014). [Synthesis and characterization of dihydroeugenol acrylate]. *Guang Pu Xue Yu Guang Pu Fen Xi.* 34: 1031-1034.
- Liu, Y; Bao, W. (2010). Copper-catalyzed tandem process: an efficient approach to 2-substituted-1,4-benzodioxanes. *Org Biomol Chem.* 8: 2700-2703. <http://dx.doi.org/10.1039/c003691a>.
- Liu, Y; Dong, WS; Liu, JY; Li, YS. (2014). Living ring-opening homo- and copolymerisation of ϵ -caprolactone and L-lactide by cyclic β -ketiminato aluminium complexes. *Dalton Transactions (Online).* 43: 2244-2251. <http://dx.doi.org/10.1039/c3dt52712c>.
- Liu, Y; Johnson, MR; Matida, EA; Kherani, S; Marsan, J. (2009). Creation of a standardized geometry of the human nasal cavity. *J Appl Physiol.* 106: 784-795. <http://dx.doi.org/10.1152/jappphysiol.90376.2008>.
- López-Donaire, ML; Fernández-Gutiérrez, M; Parra-Cáceres, J; Vázquez-Lasa, B; García-Alvarez, I; Fernández-Mayoralas, A; Román, JS. (2010). A study on partially biodegradable microparticles as carriers of active glycolipids. *Acta Biomater.* 6: 1360-1369. <http://dx.doi.org/10.1016/j.actbio.2009.11.009>.
- Loschen, C; Klamt, A. (2015). Solubility prediction, solvate and cocrystal screening as tools for rational crystal engineering [Review]. *J Pharm Pharmacol.* 67: 803-811. <http://dx.doi.org/10.1111/jphp.12376>.
- Lourenço, EC; Ventura, MR. (2011). The synthesis of compatible solute analogues-solvent effects on selective glycosylation. *Carbohydr Res.* 346: 163-168. <http://dx.doi.org/10.1016/j.carres.2010.08.007>.
- Lozano Picazo, P; Pérez Garnes, M; Martínez Ramos, C; Vallés-Lluch, A; Monleón Pradas, M. (2015). New semi-biodegradable materials from semi-interpenetrated networks of poly(ϵ -caprolactone) and poly(ethyl acrylate). *Macromol Biosci.* 15: 229-240. <http://dx.doi.org/10.1002/mabi.201400331>.
- Lu, J; Wei, Y; Rustum, AM. (2010). A stability-indicating reversed-phase high performance liquid chromatography method for simultaneous assay of two corticosteroids and estimation of their related compounds in a pharmaceutical injectable formulation. *J Chromatogr A.* 1217: 6932-6941. <http://dx.doi.org/10.1016/j.chroma.2010.08.074>.
- Lu, LK; Ko, JM; Lee, J; Krum, DM; Lyn Price, L; Finn, D; Lee, D; Rogers, GS. (2012). A randomized, prospective trial evaluating surgeon preference in selection of absorbable suture material. *J Drugs Dermatol.* 11: 196-201.
- Luo, BH; Hsu, CE; Li, JH; Zhao, LF; Liu, MX; Wang, XY; Zhou, CR. (2013). Nano-composite of poly(L-lactide) and halloysite nanotubes surface-grafted with L-lactide oligomer under microwave irradiation. *Journal of Biomedical Nanotechnology.* 9: 649-658.
- Luo, J; He, X; D'Avignon, DA; Ackerman, JH; Yablonskiy, DA. (2010). Protein-induced water 1H MR frequency shifts: Contributions from magnetic susceptibility and exchange effects. *J Magn Reson.* In Press, Corrected Proof: 102-108. <http://dx.doi.org/10.1016/j.jmr.2009.10.005>.
- Luong, J; Gras, R; Cortes, H; Shellie, RA. (2012). Multi-dimensional gas chromatography with a planar microfluidic device for the characterization of volatile oxygenated organic compounds. *J Chromatogr A.* 1255: 216-220. <http://dx.doi.org/10.1016/j.chroma.2012.01.073>.
- Luoto, P; Suilamo, S; Oikonen, V; Arponen, E; Helin, S; Herttuainen, J; Hietämäki, J; Holopainen, A; Kailajärvi, M; Peltonen, JM; Rouru, J; Sallinen, J; Scheinin, M; Virta, J; Virtanen, K; Volanen, I; Roivainen, A; Rinne, JO. (2014). ¹¹C-ORM-13070, a novel PET ligand for brain α_2 C-adrenoceptors: radiometabolism, plasma pharmacokinetics, whole-body distribution and radiation dosimetry in healthy men. *Eur J Nucl Med Mol Imaging.* 41: 1947-1956. <http://dx.doi.org/10.1007/s00259-014-2782-y>.
- Lv, PC; Wang, KR; Mao, WJ; Xiong, J; Li, HQ; Yang, Y; Shi, L; Zhu, HL. (2009). Synthesis, crystal structure and immunosuppressive activity of acylamide derivatives containing 1,4-benzodioxan. *ChemMedChem.* 4: 1421-1424. <http://dx.doi.org/10.1002/cmdc.200900167>.
- Lyman, W; Reehl, W; Rosenblatt, D. (1990). Handbook of chemical property estimation methods: Environmental behavior of organic compounds. In WJ Lyman; WF Reehl; DH Rosenblatt (Eds.). Washington, DC: American Chemical Society.

Human Health Hazard Literature Search Results

Off Topic

- Ma, D; Li, B; Cui, Z; Liu, K; Chen, C; Li, G; Hua, J; Ma, B; Shi, Z; Feng, S. (2016). Multifunctional Luminescent Porous Organic Polymer for Selectively Detecting Iron Ions and 1,4-Dioxane via Luminescent Turn-off and Turn-on Sensing. 8: 24097-24103. <http://dx.doi.org/10.1021/acsami.6b07470>.
- Ma, L; Xiao, Y; Li, C; Xie, ZL; Li, DD; Wang, YT; Ma, HT; Zhu, HL; Wang, MH; Ye, YH. (2013). Synthesis and antioxidant activity of novel Mannich base of 1,3,4-oxadiazole derivatives possessing 1,4-benzodioxan. *Bioorg Med Chem*. 21: 6763-6770. <http://dx.doi.org/10.1016/j.bmc.2013.08.002>.
- Macdonald, RL; Higashida, RT; Keller, E; Mayer, SA; Molyneux, A; Raabe, A; Vajkoczy, P; Wanke, I; Bach, D; Frey, A; Marr, A; Roux, S; Kassell, N. (2011). Clazosentan, an endothelin receptor antagonist, in patients with aneurysmal subarachnoid haemorrhage undergoing surgical clipping: a randomised, double-blind, placebo-controlled phase 3 trial (CONSCIOUS-2). *Lancet Neurol*. 10: 618-625. [http://dx.doi.org/10.1016/S1474-4422\(11\)70108-9](http://dx.doi.org/10.1016/S1474-4422(11)70108-9).
- Macdonald, RL; Higashida, RT; Keller, E; Mayer, SA; Molyneux, A; Raabe, A; Vajkoczy, P; Wanke, I; Bach, D; Frey, A; Marr, A; Roux, S; Kassell, N. (2013). Randomised trial of clazosentan, an endothelin receptor antagonist, in patients with aneurysmal subarachnoid hemorrhage undergoing surgical clipping (CONSCIOUS-2). *Acta Neurochir Suppl*. 115: 27-31. http://dx.doi.org/10.1007/978-3-7091-1192-5_7.
- Macdonald, RL; Higashida, RT; Keller, E; Mayer, SA; Molyneux, A; Raabe, A; Vajkoczy, P; Wanke, I; Bach, D; Frey, A; Nowbakht, P; Roux, S; Kassell, N. (2012). Randomized trial of clazosentan in patients with aneurysmal subarachnoid hemorrhage undergoing endovascular coiling. *Stroke*. 43: 1463-1469. <http://dx.doi.org/10.1161/STROKEAHA.111.648980>.
- Macdonald, RL; Higashida, RT; Keller, E; Mayer, SA; Molyneux, A; Raabe, A; Vajkoczy, P; Wanke, I; Frey, A; Marr, A; Roux, S; Kassell, NF. (2010). Preventing vasospasm improves outcome after aneurysmal subarachnoid hemorrhage: rationale and design of CONSCIOUS-2 and CONSCIOUS-3 trials. *Neurocrit Care*. 13: 416-424. <http://dx.doi.org/10.1007/s12028-010-9433-3>.
- Macdonald, RL; Jaja, B; Cusimano, MD; Etmnan, N; Hanggi, D; Hasan, D; Ilodigwe, D; Lantigua, H; Le Roux, P; Lo, B; Louffat-Olivares, A; Mayer, S; Molyneux, A; Quinn, A; Schweizer, TA; Schenk, T; Spears, J; Todd, M; Torner, J; Vergouwen, MD; Wong, GK; Singh, J; Collaboration, S. (2013). SAHIT Investigators--on the outcome of some subarachnoid hemorrhage clinical trials [Review]. *Translational Stroke Research*. 4: 286-296. <http://dx.doi.org/10.1007/s12975-012-0242-1>.
- Mahal, K; Resch, M; Ficner, R; Schober, R; Biersack, B; Mueller, T. (2014). Effects of the tumor-vasculature-disrupting agent verubulin and two heteroaryl analogues on cancer cells, endothelial cells, and blood vessels. *ChemMedChem*. 9: 847-854. <http://dx.doi.org/10.1002/cmdc.201300531>.
- Mahendra, S; Grostern, A; Alvarez-Cohen, L. (2013). The impact of chlorinated solvent co-contaminants on the biodegradation kinetics of 1,4-dioxane. *Chemosphere*. 91: 88-92. <http://dx.doi.org/10.1016/j.chemosphere.2012.10.104>.
- Maine CDC. (2012). Maximum exposure guidelines (MEGs) for drinking water. Maine Department of Human Services. <http://www.maine.gov/dhhs/mecdc/environmental-health/eohp/wells/documents/megtableoct2012.pdf>.
- Makadia, P; Shah, SR; Pingali, H; Zaware, P; Patel, D; Pola, S; Thube, B; Priyadarshini, P; Suthar, D; Shah, M; Giri, S; Trivedi, C; Jain, M; Patel, P; Bahekar, R. (2011). Effect of structurally constrained oxime-ether linker on PPAR subtype selectivity: Discovery of a novel and potent series of PPAR-pan agonists. *Bioorg Med Chem*. 19: 771-782. <http://dx.doi.org/10.1016/j.bmc.2010.12.023>.
- Makshakova, ON; Faizullin, DA; Zuev, I, uF. (2012). [Influence of dioxane on the hydration shell of polypeptides]. *Bioorg Khim*. 38: 300-305.
- Makshakova, ON; Fayzullin, DA; Zuev, Y, uF. (2012). Effect of dioxane molecules on the hydration shell of polypeptides. *Russian Journal of Bioorganic Chemistry*. 38: 261-265. <http://dx.doi.org/10.1134/S1068162012030107>.
- Malova Krizkova, P; Hammerschmidt, F. (2013). On the Configurational Stability of Chiral Heteroatom-Substituted [D1]Methylpalladium Complexes as Intermediates of Stille and Suzuki-Miyaura Cross-Coupling Reactions. *European Journal of Organic Chemistry*. 2013: 5143-5148. <http://dx.doi.org/10.1002/ejoc.201300439>.
- Mammoli, D; Salvi, N; Milani, J; Buratto, R; Bornet, A; Sehgal, AA; Canet, E; Pelupessy, P; Carnevale, D; Jannin, S; Bodenhausen, G. (2015). Challenges in preparing, preserving and detecting para-water in bulk: overcoming proton exchange and other hurdles. *Phys Chem Chem Phys*. 17: 26819-26827. <http://dx.doi.org/10.1039/c5cp03350k>.
- Mammoli, V; Bonifazi, A; Del Bello, F; Diamanti, E; Giannella, M; Hudson, AL; Mattioli, L; Perfumi, M; Piergentili, A; Quaglia, W; Titomanlio, F; Pigni, M. (2012). Favourable involvement of α 2A-adrenoreceptor antagonism in the I₂-imidazoline binding sites-mediated morphine analgesia enhancement. *Bioorg Med Chem*. 20: 2259-2265. <http://dx.doi.org/10.1016/j.bmc.2012.02.016>.
- Mandoli, C; Mecheri, B; Forte, G; Pagliari, F; Pagliari, S; Carotenuto, F; Fiaccavento, R; Rinaldi, A; Di Nardo, P; Licocchia, S; Traversa, E. (2010). Thick soft tissue reconstruction on highly perfusive biodegradable scaffolds. *Macromol Biosci*. 10: 127-138. <http://dx.doi.org/10.1002/mabi.200900323>.
- Manzo, E; Ciavatta, ML; Melck, D; Schupp, P; de Voogd, N; Gavagnin, M. (2009). Aromatic cyclic peroxides and related keto-compounds from the *Plakortis* sp. component of a sponge consortium. *J Nat Prod*. 72: 1547-1551. <http://dx.doi.org/10.1021/np900310j>.
- Marchetti, E; Jacquet, M; Escoffier, G; Miglioratti, M; Dumuis, A; Bockaert, J; Roman, FS. (2011). Enhancement of reference memory in aged rats by specific activation of 5-HT(4) receptors using an olfactory associative discrimination task. *Brain Res*. 1405: 49-56. <http://dx.doi.org/10.1016/j.brainres.2011.06.020>.
- Marchetti, F; Pampaloni, G; Pinzino, C; Renili, F; Repo, T; Vuorinen, S. (2013). Ring opening polymerization of rac-lactide by group 4 tetracarbamato complexes: activation, propagation and role of the metal. *Dalton Transactions (Online)*. 42: 2792-2802. <http://dx.doi.org/10.1039/c2dt31264f>.
- Markiewicz, BN; Mukherjee, D; Troxler, T; Gai, F. (2016). Utility of 5-Cyanotryptophan Fluorescence as a Sensitive Probe of Protein Hydration. *J Phys Chem B*. 120: 936-944. <http://dx.doi.org/10.1021/acs.jpcc.5b12233>.

Human Health Hazard Literature Search Results

Off Topic

- Marques, AT; Burrows, HD; Seixas de Melo, JS; Valente, AJ; Justino, LL; Scherf, U; Fron, E; Rocha, S; Hofkens, J; Snedden, EW; Monkman, AP. (2012). Spectroscopic properties, excitation, and electron transfer in an anionic water-soluble poly(fluorene-alt-phenylene)-perylene diimide copolymer. *J Phys Chem B*. 116: 7548-7559. <http://dx.doi.org/10.1021/jp3000703>.
- Martinez de Arenaza, I; Hernandez-Montero, N; Meaurio, E; Sarasua, J. R. (2013). Competing Specific Interactions Investigated by Molecular Dynamics: Analysis of Poly(p-dioxanone)/Poly(vinylphenol) Blends. *J Phys Chem B*. 117: 719-724. <http://dx.doi.org/10.1021/jp310340v>.
- Marui, Y; Kikuzawa, A; Kida, T; Akashi, M. (2010). Unique organogel formation with macroporous materials constructed by the freeze-drying of aqueous cyclodextrin solutions. *Langmuir*. 26: 11441-11445. <http://dx.doi.org/10.1021/la1009434>.
- Masini, BD; Stinner, DJ; Waterman, SM; Wenke, JC. (2011). Bacterial adherence to suture materials. *J Surg Educ*. 68: 101-104. <http://dx.doi.org/10.1016/j.jsurg.2010.09.015>.
- Maslauskas, K; Astrauskas, T; Viksraitis, S; Samsanavidius, D. (2010). Comparison of otoplasty outcomes using different types of suture materials. *Int Surg*. 95: 88-93.
- Massullo, JM; Singh, TP; Dunnican, WJ; Binetti, BR. (2012). Preliminary study of hiatal hernia repair using polyglycolic acid: trimethylene carbonate mesh. *JSLs*. 16: 55-59. <http://dx.doi.org/10.4293/108680812X13291597715943>.
- Masuda, H; McClay, K; Steffan, RJ; Zylstra, GJ. (2012). Biodegradation of tetrahydrofuran and 1,4-dioxane by soluble diiron monooxygenase in *Pseudonocardia* sp. strain ENV478. *J Mol Microbiol Biotechnol*. 22: 312-316. <http://dx.doi.org/10.1159/000343817>.
- Matsuda, T. (2013). Neuropharmacologic studies on the brain serotonin1A receptor using the selective agonist osemozotan [Review]. *Biol Pharm Bull*. 36: 1871-1882.
- Matsui, R; Takagi, K; Sakakibara, F; Abe, T; Shiiba, K. (2016). Identification and characterization of 1,4-dioxane-degrading microbe separated from surface seawater by the seawater-charcoal perfusion apparatus. *Biodegradation*. 27: 155-163. <http://dx.doi.org/10.1007/s10532-016-9763-8>.
- Matsumoto, K; Taguchi, S. (2010). Enzymatic and whole-cell synthesis of lactate-containing polyesters: toward the complete biological production of polylactate [Review]. *Appl Microbiol Biotechnol*. 85: 921-932. <http://dx.doi.org/10.1007/s00253-009-2374-0>.
- Matsumoto, K; Takahashi, N; Suzuki, A; Morii, T; Saito, Y; Saito, I. (2011). Design and synthesis of highly solvatochromic fluorescent 2'-deoxyguanosine and 2'-deoxyadenosine analogs. *Bioorg Med Chem Lett*. 21: 1275-1278. <http://dx.doi.org/10.1016/j.bmcl.2010.11.129>.
- Maudoux, N; Roisnel, T; Dorcet, V; Carpentier, JF; Sarazin, Y. (2014). Chiral (1,2)-diphenylethylene-salen complexes of triel metals: coordination patterns and mechanistic considerations in the isoselective ROP of lactide. *Chemistry*. 20: 6131-6147. <http://dx.doi.org/10.1002/chem.201304788>.
- Mavanji, V; Perez-Leighton, CE; Kotz, CM; Billington, CJ; Parthasarathy, S; Sinton, CM; Teske, JA. (2015). Promotion of Wakefulness and Energy Expenditure by Orexin-A in the Ventrolateral Preoptic Area. *Sleep*. 38: 1361-1370. <http://dx.doi.org/10.5665/sleep.4970>.
- Mazaheri, H; Lee, KT; Bhatia, S; Mohamed, AR. (2010). Sub/supercritical liquefaction of oil palm fruit press fiber for the production of bio-oil: effect of solvents. *Bioresour Technol*. 101: 7641-7647. <http://dx.doi.org/10.1016/j.biortech.2010.04.072>.
- Mccomsey, DF; Smith-Swintosky, VL; Parker, MH; Brenneman, DE; Malatynska, E; White, HS; Klein, BD; Wilcox, KS; Milewski, ME; Herb, M; Finley, MF; Liu, Y; Lubin, ML; Qin, N; Reitz, AB; Maryanoff, BE. (2013). Novel, broad-spectrum anticonvulsants containing a sulfamide group: pharmacological properties of (S)-N-[(6-chloro-2,3-dihydrobenzo[1,4]dioxin-2-yl)methyl]sulfamide (JNJ-26489112). *J Med Chem*. 56: 9019-9030. <http://dx.doi.org/10.1021/jm400894u>.
- McConnell, EE; Solleveld, HA; Swenberg, JA; Boorman, GA. (1986). Guidelines for combining neoplasms for evaluation of rodent carcinogenesis studies. *J Natl Cancer Inst*. 76: 283-289. <http://dx.doi.org/10.1093/jnci/76.2.283>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 10-oxahexadecanolid [Review]. *Food Chem Toxicol*. 49 Suppl 2: S158-S162. <http://dx.doi.org/10.1016/j.fct.2011.07.015>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 11-oxahexadecanolid [Review]. *Food Chem Toxicol*. 49 Suppl 2: S163-S167. <http://dx.doi.org/10.1016/j.fct.2011.07.016>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 12-oxahexadecanolid [Review]. *Food Chem Toxicol*. 49 Suppl 2: S168-S173. <http://dx.doi.org/10.1016/j.fct.2011.07.017>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on 16-hydroxy-7-hexadecenoic acid lactone [Review]. *Food Chem Toxicol*. 49 Suppl 2: S149-S151. <http://dx.doi.org/10.1016/j.fct.2011.07.013>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on E- and Z-oxacyclohexadec-12(+13)-en-2-one [Review]. *Food Chem Toxicol*. 49 Suppl 2: S152-S157. <http://dx.doi.org/10.1016/j.fct.2011.07.014>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on ethylene dodecanedioate [Review]. *Food Chem Toxicol*. 49 Suppl 2: S212-S218. <http://dx.doi.org/10.1016/j.fct.2011.07.049>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on hexadecanolid [Review]. *Food Chem Toxicol*. 49 Suppl 2: S183-S188. <http://dx.doi.org/10.1016/j.fct.2011.07.024>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on oxacycloheptadec-10-ene-2-one [Review]. *Food Chem Toxicol*. 49 Suppl 2: S189-S192. <http://dx.doi.org/10.1016/j.fct.2011.07.025>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on oxacyclohexadecane-2,13-dione [Review]. *Food Chem Toxicol*. 49 Suppl 2: S202-S206. <http://dx.doi.org/10.1016/j.fct.2011.07.027>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on ω -6-hexadecenolactone [Review]. *Food Chem Toxicol*. 49 Suppl 2: S207-S211. <http://dx.doi.org/10.1016/j.fct.2011.07.028>.
- Mcginty, D; Letizia, CS; Api, AM. (2011). Fragrance material review on ω -pentadecalactone [Review]. *Food Chem Toxicol*. 49 Suppl 2: S193-S201. <http://dx.doi.org/10.1016/j.fct.2011.07.026>.

Human Health Hazard Literature Search Results

Off Topic

- McMaster, C; Bream, RN; Grainger, RS. (2012). Radical-mediated reduction of the dithiocarbamate group under tin-free conditions. *Org Biomol Chem.* 10: 4752-4758. <http://dx.doi.org/10.1039/c2ob25434d>.
- Me, JJ; Chen, CQ; Yan, YW; Lin, JC; Wang, Q; Zhou, HT; Chen, QX. (2009). Inactivation Kinetics of beta-N-Acetyl-D-glucosaminidase from Green Crab (*Scylla serrata*) in Dioxane Solution. *J Biomol Struct Dyn.* 26: 509-515.
- Medina, F; Besnard, C; Lacour, J. (2014). One-step synthesis of nitrogen-containing medium-sized rings via α -imino diazo intermediates. *Org Lett.* 16: 3232-3235. <http://dx.doi.org/10.1021/ol501253z>.
- Medinsky, MA; Bond, JA. (2001). Sites and mechanisms for uptake of gases and vapors in the respiratory tract [Review]. *Toxicology.* 160: 165-172. [http://dx.doi.org/10.1016/S0300-483X\(00\)00448-0](http://dx.doi.org/10.1016/S0300-483X(00)00448-0).
- Mehta, D; Nguyen, A; Montenegro, A; Li, Z. (2009). A Kinetic Study of the Reaction of OH with Xylenes Using the Relative Rate/Discharge Flow/Mass Spectrometry Technique. *J Phys Chem A.* 113: 12942-12951. <http://dx.doi.org/10.1021/jp905074j>.
- Menezes, JC; Faustino, MA; de Oliveira, KT; Uliana, MP; Ferreira, VF; Hackbarth, S; Röder, B; Teixeira Tasso, T; Furuyama, T; Kobayashi, N; Silva, AM; Neves, MG; Cavaleiro, JA. (2014). Synthesis of New Chlorin e6 Trimethyl and Protoporphyrin IX Dimethyl Ester Derivatives and Their Photophysical and Electrochemical Characterizations. *Chemistry.* 20: 13644-13655. <http://dx.doi.org/10.1002/chem.201403214>.
- Merayo, N; Hermosilla, D; Cortijo, L; Blanco, Á. (2014). Optimization of the Fenton treatment of 1,4-dioxane and on-line FTIR monitoring of the reaction. *J Hazard Mater.* 268: 102-109. <http://dx.doi.org/10.1016/j.jhazmat.2014.01.008>.
- Mercier, EA; Smith, CD; Parvez, M; Back, TG. (2012). Cyclic seleninate esters as catalysts for the oxidation of sulfides to sulfoxides, epoxidation of alkenes, and conversion of enamines to α -hydroxyketones. *J Org Chem.* 77: 3508-3517. <http://dx.doi.org/10.1021/jo300313v>.
- Metsä-Ketelä, M; Oja, T; Taguchi, T; Okamoto, S; Ichinose, K. (2013). Biosynthesis of pyranonaphthoquinone polyketides reveals diverse strategies for enzymatic carbon-carbon bond formation [Review]. *Curr Opin Chem Biol.* 17: 562-570. <http://dx.doi.org/10.1016/j.cbpa.2013.06.032>.
- Meyer, MW; Lupoi, JS; Smith, EA. (2011). 1064 nm dispersive multichannel Raman spectroscopy for the analysis of plant lignin. *Anal Chim Acta.* 706: 164-170. <http://dx.doi.org/10.1016/j.aca.2011.08.031>.
- Meyers, PM; Connolly, ES. (2011). Stroke: disappointing results for clazosentan in CONSCIOUS-2. *Nat Clin Pract Neurol.* 7: 660-661. <http://dx.doi.org/10.1038/nrneurol.2011.168>.
- Meylan, WM; Howard, PH; Boethling, RS; Aronson, D; Printup, H; Gouchie, S. (1999). Improved method for estimating bioconcentration/bioaccumulation factor from octanol/water partition coefficient. *Environ Toxicol Chem.* 18: 664-672. <http://dx.doi.org/10.1002/etc.5620180412>.
- Mikami, Y; Ikehata, A; Hashimoto, C; Ozaki, Y. (2014). Near-infrared (NIR) study of hydrogen bonding of methanol molecules in polar and nonpolar solvents: an approach from concentration-dependent molar absorptivity. *Appl Spectrosc.* 68: 1181-1189. <http://dx.doi.org/10.1366/14-07449>.
- Mikie, T; Saeki, A; Yamazaki, Y; Ikuma, N; Kokubo, K; Seki, S. (2015). Stereochemistry of spiro-acetalized [60]fullerenes: how the exo and endo stereoisomers influence organic solar cell performance. *Chem Lett.* 44: 8915-8922. <http://dx.doi.org/10.1021/acsami.5b01818>.
- Miles, TJ; Axten, JM; Barfoot, C; Brooks, G; Brown, P; Chen, D; Dabbs, S; Davies, DT; Downie, DL; Eyrich, S; Gallagher, T; Giordano, I; Gwynn, MN; Hennessy, A; Hoover, J; Huang, J; Jones, G; Markwell, R; Miller, WH; Minthorn, EA; Rittenhouse, S; Seefeld, M; Pearson, N. (2011). Novel amino-piperidines as potent antibacterials targeting bacterial type IIA topoisomerases. *Bioorg Med Chem Lett.* 21: 7489-7495. <http://dx.doi.org/10.1016/j.bmcl.2011.09.117>.
- Milošević, NP; Stojanović, SZ; Penov-Gaši, K; Perišić-Janjić, N; Kaliszan, R. (2014). Reversed- and normal-phase liquid chromatography in quantitative structure retention-property relationships of newly synthesized seco-androstene derivatives. *J Pharm Biomed Anal.* 88: 636-642. <http://dx.doi.org/10.1016/j.jpba.2013.10.011>.
- Milz, B; Spangenberg, B. (2013). 2D-THIN LAYER CHROMATOGRAPHY (2D-TLC) FLASH TEST OF 17-ETHINYLESTRADIOL AND RELATED STEROIDS DETECTED BY FLUORESCENCE DENSITOMETRY. *Journal of Liquid Chromatography and Related Technologies.* 36: 2378-2386. <http://dx.doi.org/10.1080/10826076.2013.790763>.
- Milz, B; Spangenberg, B. (2013). A Validated Quantification of Benzocaine in Lozenges Using TLC and a Flatbed Scanner. *Chromatographia.* 76: 1307-1313. <http://dx.doi.org/10.1007/s10337-013-2436-4>.
- Mindemark, J; Tabata, Y; Bowden, T. (2012). Low charge density cationic polymers for gene delivery: exploring the influence of structural elements on in vitro transfection. *Macromol Biosci.* 12: 840-848. <http://dx.doi.org/10.1002/mabi.201100480>.
- Mishra, A; Thangamani, A; Chatterjee, S; Chipem, FA; Krishnamoorthy, G. (2013). Photoisomerization of trans-2-[4'-(dimethylamino)styryl]benzothiazole. *Photochem Photobiol.* 89: 247-252. <http://dx.doi.org/10.1111/j.1751-1097.2012.01227.x>.
- Mishra, PK; Wimmer, R. (2017). Aerosol assisted self-assembly as a route to synthesize solid and hollow spherical lignin colloids and its utilization in layer by layer deposition. *Ultrason Sonochem.* 35: 45-50. <http://dx.doi.org/10.1016/j.ultsonch.2016.09.001>.
- Miyako, Y; Zhao, Y; Takeshima, K; Kataoka, T; Handa, T; Pinal, R. (2010). Solubility of hydrophobic compounds in water-cosolvent mixtures: relation of solubility with water-cosolvent interactions. *J Pharm Sci.* 99: 293-302. <http://dx.doi.org/10.1002/jps.21842>.
- Mlynarczuk, J; Wrobel, MH; Rekawiecki, R; Kotwica, J. (2013). The expression of Steroidogenic Factor-1 and its role in bovine steroidogenic ovarian cells during the estrus cycle and first trimester of pregnancy. *Anim Reprod Sci.* 138: 74-81. <http://dx.doi.org/10.1016/j.anireprosci.2013.01.008>.
- Mlynarczuk, J; Wrobel, MH; Ziolkowska, A; Kotwica, J. (2013). Involvement of the orphan nuclear receptor SF-1 in the effect of PCBs, DDT and DDE on the secretion of steroid hormones and oxytocin from bovine granulosa cells. *Anim Reprod Sci.* 143: 30-37. <http://dx.doi.org/10.1016/j.anireprosci.2013.10.007>.

Human Health Hazard Literature Search Results

Off Topic

- Moaienla, T; Bendangsenla, N; David Singh, T; Sumitra, C, h; Rajmuhon Singh, N; Indira Devi, M. (2012). Comparative 4f-4f absorption spectral study for the interactions of Nd(III) with some amino acids: Preliminary thermodynamics and kinetic studies of interaction of Nd(III):glycine with Ca(II). *Spectrochim Acta A Mol Biomol Spectrosc.* 87: 142-150. <http://dx.doi.org/10.1016/j.saa.2011.11.028>.
- Modi, DK; Patel, BH. (2013). RAPID AND SENSITIVE SIMULTANEOUS ESTIMATION OF METFORMIN HYDROCHLORIDE AND PIOGLITAZONE HYDROCHLORIDE IN TABLET FORMULATION BY HPTLC METHOD. *Journal of Liquid Chromatography and Related Technologies.* 36: 618-627. <http://dx.doi.org/10.1080/10826076.2012.673202>.
- Modvig, A; Andersen, TL; Taaning, RH; Lindhardt, AT; Skrydstrup, T. (2014). Two-chamber hydrogen generation and application: access to pressurized deuterium gas. *J Org Chem.* 79: 5861-5868. <http://dx.doi.org/10.1021/jo500801t>.
- Moeinzadeh, S; Barati, D; Sarvestani, SK; Karaman, O; Jabbari, E. (2013). Nanostructure formation and transition from surface to bulk degradation in polyethylene glycol gels chain-extended with short hydroxy acid segments. *Biomacromolecules.* 14: 2917-2928. <http://dx.doi.org/10.1021/bm4008315>.
- Moeinzadeh, S; Jabbari, E. (2012). Mesoscale simulation of the effect of a lactide segment on the nanostructure of star poly(ethylene glycol-co-lactide)-acrylate macromonomers in aqueous solution. *J Phys Chem B.* 116: 1536-1543. <http://dx.doi.org/10.1021/jp211056p>.
- Mohamed, S. (2016). Solvent inclusion in the crystal structure of bis-[(adamantan-1-yl)methanaminium chloride] 1,4-dioxane hemisolvate monohydrate explained using the computed crystal energy landscape. 72: 1348-1352. <http://dx.doi.org/10.1107/S2056989016013256>.
- Mohammadi, M; Habibi, Z; Dezyarei, S; Yousefi, M; Samadi, S; Ashjari, M. (2014). Improvement of the stability and selectivity of Rhizomucor miehei lipase immobilized on silica nanoparticles: Selective hydrolysis of fish oil using immobilized preparations. *Process Biochemistry.* 49: 1314-1323. <http://dx.doi.org/10.1016/j.procbio.2014.04.012>.
- Moldes, O; Sobrino, T; Blanco, M; Agulla, J; Barral, D; Ramos-Cabrer, P; Castillo, J. (2012). Neuroprotection afforded by antagonists of endothelin-1 receptors in experimental stroke. *Neuropharmacology.* 63: 1279-1285. <http://dx.doi.org/10.1016/j.neuropharm.2012.08.019>.
- Momeni-Isfahani, T; Niazi, A. (2014). Spectrophotometric determination of acidity constants of 2-(2-Thiazolylazo)-Cresol in various water-organic solvent media mixtures using chemometrics methods. *Spectrochim Acta A Mol Biomol Spectrosc.* 120: 630-635. <http://dx.doi.org/10.1016/j.saa.2013.11.009>.
- Montesani, L; Schulze-Späte, U; Dibart, S. (2011). Sinus augmentation in two patients with severe posterior maxillary height atrophy using tissue-engineered bone derived from autologous bone cells: a case report. 31: 391-399.
- Montesanto, S; Brucato, V; La Carrubba, V. (2016). Evaluation of mechanical and morphologic features of PLLA membranes as supports for perfusion cells culture systems. *Mater Sci Eng C.* 69: 841-849. <http://dx.doi.org/10.1016/j.msec.2016.07.030>.
- Moon, HK; Choi, YS; Lee, JK; Ha, CS; Lee, WK; Gardella, JA. (2009). Miscibility and hydrolytic behavior of poly(trimethylene carbonate) and poly(L-lactide) and their blends in monolayers at the air/water interface. *Langmuir.* 25: 4478-4483. <http://dx.doi.org/10.1021/la8032435>.
- Moragas Solà, T; Lewis, W; Bettiger, SV; Stockman, RA; Forbes, DC. (2010). (2S)-2-[(2S*,5R*,6R*)-5,6-Dimethoxy-5,6-dimethyl-1,4-dioxan-2-yl]-1-[(S)-1,1-dimethyl-ethylsulfon-yl]aziridine. *Acta Crystallographica Section E: Structure Reports Online.* 66: o3335. <http://dx.doi.org/10.1107/S1600536810048816>.
- Morgan, KT; Patterson, DL; Gross, EA. (1986). Responses of the nasal mucociliary apparatus of F-344 rats to formaldehyde gas. *Toxicol Appl Pharmacol.* 82: 1-13. [http://dx.doi.org/10.1016/0041-008X\(86\)90431-X](http://dx.doi.org/10.1016/0041-008X(86)90431-X).
- Morris, WJ; Shair, MD. (2009). Stereoselective synthesis of 2-deoxy-beta-glycosides using anomeric O-alkylation/arylation. *Org Lett.* 11: 9-12. <http://dx.doi.org/10.1021/ol8022006>.
- Moss, RA; Wang, L; Odorisio, CM; Zhang, M; Krogh-Jespersen, K. (2010). Solvation of dichlorocarbene: complexation with aryl ethers. *J Phys Chem A.* 114: 209-217. <http://dx.doi.org/10.1021/jp9075542>.
- Mousseau, JJ; Morten, CJ; Jamison, TF. (2013). A dioxane template for highly selective epoxy alcohol cyclizations. *Chemistry.* 19: 10004-10016. <http://dx.doi.org/10.1002/chem.201300845>.
- Moustafa, GA; Saku, Y; Aoyama, H; Yoshimitsu, T. (2014). A new route to platencin via decarboxylative radical cyclization. *Chem Commun (Camb).* 50: 15706-15709. <http://dx.doi.org/10.1039/c4cc07316a>.
- Mphahlele, MJ; Adeloje, AO. (2013). 4,6,8-Triarylquinoline-3-carbaldehyde derivatives: synthesis and photophysical properties. *Molecules.* 18: 15769-15787. <http://dx.doi.org/10.3390/molecules181215769>.
- Mudd, CD; Boudreau, JA; Moed, BR. (2014). A prospective randomized comparison of two skin closure techniques in acetabular fracture surgery. 15: 189-194. <http://dx.doi.org/10.1007/s10195-013-0282-7>.
- Muglali, M; Ylmaz, N; Inal, S; Guvenc, T. (2011). Immunohistochemical comparison of indermil with traditional suture materials in dental surgery. *J Craniofac Surg.* 22: 1875-1879. <http://dx.doi.org/10.1097/SCS.0b013e31822e8419>.
- Muhammad, ZA; Masaret, GS; Amin, MM; Abdallah, MA; Farghaly, TA. (2016). Anti-inflammatory, analgesic and anti-ulcerogenic activities of novel bis-thiadiazoles, bis-thiazoles and bis-formazanes. *Med Chem.*
- Muiño, PL; Callis, PR. (2009). Solvent effects on the fluorescence quenching of tryptophan by amides via electron transfer. *Experimental and computational studies.* *J Phys Chem B.* 113: 2572-2577. <http://dx.doi.org/10.1021/jp711513b>.
- Mulwad, VV; Parmar, HT; Mir, AA. (2011). SYNTHESIS OF BIOLOGICALLY ACTIVE 1'-(2-OXO-2H-BENZOPYRAN-6-YL)-5'-HYDROXY-2'-METHYLINDOLE-3'-AMIDO-2''-PHENYL-THIAZOLIDENE-4''-ONES. *Acta Pol Pharm.* 68: 49-55.
- Murata, T; Sasaki, K; Sato, K; Yoshizaki, F; Yamada, H; Mutoh, H; Umehara, K; Miyase, T; Warashina, T; Aoshima, H; Tabata, H; Matsubara, K. (2009). Matrix metalloproteinase-2 inhibitors from *Clinopodium chinense* var. *parviflorum*. *J Nat Prod.* 72: 1379-1384. <http://dx.doi.org/10.1021/np800781t>.

Human Health Hazard Literature Search Results

Off Topic

- Murdachaew, G; Varner, ME; van der Veer, WE; Gerber, RB; Phillips, LF. (2014). Raman spectroscopy of solutions and interfaces containing nitrogen dioxide, water, and 1,4 dioxane: evidence for repulsion of surface water by NO₂ gas. *J Chem Phys.* 140: 184702. <http://dx.doi.org/10.1063/1.4874640>.
- Muroi, C; Seule, M; Mishima, K; Keller, E. (2012). Novel treatments for vasospasm after subarachnoid hemorrhage [Review]. *Curr Opin Crit Care.* 18: 119-126. <http://dx.doi.org/10.1097/MCC.0b013e32835075ae>.
- Musialik, M; Kuzmicz, R; Pawłowski, TS; Litwinienko, G. (2009). Acidity of hydroxyl groups: an overlooked influence on antiradical properties of flavonoids. *J Org Chem.* 74: 2699-2709. <http://dx.doi.org/10.1021/jo802716v>.
- Musiał-Kulik, M; Kasperczyk, J; Jelonek, K; Dobrzyński, P; Gebarowska, K; Janeczek, H; Libera, M. (2010). The influence of paclitaxel on hydrolytic degradation in matrices obtained from aliphatic polyesters and polyester carbonates. *Acta Pol Pharm.* 67: 664-668.
- Musiał-Kulik, M; Kasperczyk, J; Smola, A; Dobrzyński, P. (2014). Double layer paclitaxel delivery systems based on bioresorbable terpolymer with shape memory properties. *Int J Pharm.* 465: 291-298. <http://dx.doi.org/10.1016/j.ijpharm.2014.01.029>.
- Musolino, MG; Scarpino, LA; Mauriello, F; Pietropaolo, R. (2011). Glycerol Hydrogenolysis Promoted by Supported Palladium Catalysts. *ChemSusChem.* 4: 1143-1150. <http://dx.doi.org/10.1002/cssc.201100063>.
- Muthukaman, N; Deshmukh, S; Sarode, N; Tondlekar, S; Tambe, M; Pisal, D; Shaikh, M; Kattige, VG; Honnegowda, S; Karande, V; Kulkarni, A; Jadhav, SB; Mahat, MY; Gudi, GS; Khairatkar-Joshi, N; Gharat, LA. (2016). Discovery of 2-((2-chloro-6-fluorophenyl)amino)-N-(3-fluoro-5-(trifluoromethyl)phenyl)-1-methyl-7,8-dihydro-1H-[1,4]dioxino[2',3':3,4]benzo[1,2-d]imidazole-5-carboxamide as potent, selective and efficacious microsomal prostaglandin E₂ synthase-1 (mPGES-1) inhibitor. 26: 5977-5984. <http://dx.doi.org/10.1016/j.bmcl.2016.10.079>.
- Nadji, H; Diouf, PN; Benaboura, A; Bedard, Y; Riedl, B; Stevanovic, T. (2009). Comparative study of lignins isolated from Alfa grass (*Stipa tenacissima* L.). *Bioresour Technol.* 100: 3585-3592. <http://dx.doi.org/10.1016/j.biortech.2009.01.074>.
- Nagahama, K; Saito, T; Ouchi, T; Ohya, Y. (2011). Biodegradable Nano-aggregates of Star-Shaped 8-arm PEG-PLLA Block Co-polymers for Encapsulation of Water-Soluble Macromolecules. *J Biomater Sci Polym Ed.* 22: 407-416. <http://dx.doi.org/10.1163/092050610X521586>.
- Nagano, T; Kobayashi, S. (2009). Palladium-catalyzed allylic amination using aqueous ammonia for the synthesis of primary amines. *J Am Chem Soc.* 131: 4200-4201. <http://dx.doi.org/10.1021/ja900328x>.
- Nagaraja, D; Melavanki, RM; Patil, NR; Kusanur, RA. (2014). Solvent effect on the relative quantum yield and fluorescence quenching of 2DAM. *Spectrochim Acta A Mol Biomol Spectrosc.* 130: 122-128. <http://dx.doi.org/10.1016/j.saa.2014.03.063>.
- Naghshineh, N; Ota, KS; Tang, L; O'Toole, J; Rubin, JP. (2010). A double-blind controlled trial of polyglytone 6211 versus poliglecaprone 25 for use in body contouring. *Ann Plast Surg.* 65: 124-128. <http://dx.doi.org/10.1097/SAP.0b013e3181c1fe2f>.
- Nahar, M; Zhang, J. (2011). Concentration and distribution of organic and inorganic water pollutants in eastern Shizuoka, Japan. *Toxicol Environ Chem.* 93: 1946-1955. <http://dx.doi.org/10.1080/02772248.2011.610498>.
- Naidu, PS; Majumder, S; Bhuyan, PJ. (2015). Iodine-catalyzed [Formula: see text] C-H bond activation by selenium dioxide: synthesis of diindolylmethanes and di(3-indolyl)selenanides. *Mol Divers.* 19: 685-693. <http://dx.doi.org/10.1007/s11030-015-9605-3>.
- Naik, KBK; Raju, S; Kumar, BA; Rao, GN. (2012). Chemical speciation of binary complexes of Pb(II), Cd(II) and Hg(II) with L-glutamic acid in dioxan-water mixtures. *Chem Speciation Bioavailability.* 24: 241-247. <http://dx.doi.org/10.3184/095422912X13494547943184>.
- Najibi, S; Banglmeier, R; Matta, J; Tannast, M. (2010). Material properties of common suture materials in orthopaedic surgery. *Iowa Orthop J.* 30: 84-88.
- Nakamura, T; Asai, S; Nakata, K; Kunimoto, K; Oguri, M; Ishikawa, K. (2015). Thermostability and reactivity in organic solvent of O-phospho-L-serine sulfhydrylase from hyperthermophilic archaeon *Aeropyrum pernix* K1. *Biosci Biotechnol Biochem.* 79: 1280-1286. <http://dx.doi.org/10.1080/09168451.2015.1020753>.
- Nakashima, K; Maruyama, T; Kubota, F; Goto, M. (2009). Metal extraction from water and organic solvents into fluorous solvents by fluorinated beta-diketone and its application to the colorimetric analysis of metal ions. *Anal Sci.* 25: 77-82.
- Nam, JH; Ventura, JS; Yeom, IT; Lee, Y; Jahng, D. (2016). Structural and Kinetic Characteristics of 1,4-Dioxane-Degrading Bacterial Consortia Containing the Phylum TM7. *J Microbiol Biotechnol.* 26: 1951-1964. <http://dx.doi.org/10.4014/jmb.1601.01095>.
- Nambu, H; Nakamura, S; Suzuki, N; Hashimoto, S. (2010). Stereocontrolled Construction of 1,2-cis-alpha-Glycosidic Linkages Using Glycosyl Diphenyl Phosphates and Synthesis of alpha-Galactosylceramide KRN7000. 22: 26-40.
- Napoline, JW; Kraft, SJ; Matson, EM; Fanwick, PE; Bart, SC; Thomas, CM. (2013). Tris(phosphinoamide)-supported uranium-cobalt heterobimetallic complexes featuring Co → U dative interactions. *Inorg Chem.* 52: 12170-12177. <http://dx.doi.org/10.1021/ic402343q>.
- Narra, N; Blanquer, SB; Haimi, SP; Grijpma, DW; Hyttinen, J. (2015). μ CT based assessment of mechanical deformation of designed PTMC scaffolds. *Clin Hemorheol Microcirc.* 60: 99-108. <http://dx.doi.org/10.3233/CH-151931>.
- NAS. (2003). Food chemicals codex Polysorbate 20 (5th ed.). Washington, DC. http://www.nap.edu/catalog.php?record_id=10731.
- Natoli, TA; Smith, LA; Rogers, KA; Wang, B; Komarnitsky, S; Budman, Y; Belenky, A; Bukanov, NO; Dackowski, WR; Husson, H; Russo, RJ; Shayman, JA; Ledbetter, SR; Leonard, JP; Ibraghimov-Beskrovnaya, O. (2010). Inhibition of glucosylceramide accumulation results in effective blockade of polycystic kidney disease in mouse models. *Nat Med.* 16: 788-792. <http://dx.doi.org/10.1038/nm.2171>.
- Nelson, BB; Hassel, DM. (2014). In vitro comparison of V-Loc™ versus Biosyn™ in a one-layer end-to-end anastomosis of equine jejunum. 43: 80-84. <http://dx.doi.org/10.1111/j.1532-950X.2013.12081.x>.
- Nematollahi, D; Bamzadeh, M; Shayani-Jam, H. (2010). Electrochemical oxidation of catechols in the presence of phenyl-Meldrum's acid. Synthesis and kinetic evaluation. *Chem Pharm Bull (Tokyo).* 58: 23-26.

Human Health Hazard Literature Search Results

Off Topic

- Nemkovich, NA; Detert, H; Roeder, N. (2016). Electrooptical Absorption Measurements (EOAM) Testify Existence of two Conformers of Prodan and Laurdan with Different Dipole Moments in Equilibrium Ground and Franck-Condon Excited State. *J Fluoresc.* 26: 1563-1572. <http://dx.doi.org/10.1007/s10895-016-1809-0>.
- Netz, I; Kucukdisli, M; Opatz, T. (2015). Enantioselective Synthesis of α -Quaternary Amino Acids by Alkylation of Deprotonated α -Aminonitriles. *J Org Chem.* 80: 6864-6869. <http://dx.doi.org/10.1021/acs.joc.5b00868>.
- Neut, D; Kluin, OS; Crielaard, BJ; van der Mei, HC; Busscher, HJ; Grijpma, DW. (2009). A biodegradable antibiotic delivery system based on poly-(trimethylene carbonate) for the treatment of osteomyelitis. *Acta Orthop.* 80: 514-519. <http://dx.doi.org/10.3109/17453670903350040>.
- New Hampshire DES. (2011). Environmental fact sheet: 1,4-dioxane and drinking water [Fact Sheet]. (WD-DWGB-3-24). Concord, NH. <http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/documents/dwgb-3-24.pdf>.
- Nguyen, TT; Grigorjeva, L; Daugulis, O. (2016). Cobalt-Catalyzed, Aminoquinoline-Directed Functionalization of Phosphinic Amide sp² C-H Bonds. 6: 551-554. <http://dx.doi.org/10.1021/acscatal.5b02391>.
- Ni, B; Huang, M; Chen, Z; Chen, Y; Hsu, CH; Li, Y; Pochan, D; Zhang, WB; Cheng, SZ; Dong, XH. (2015). Pathway toward large two-dimensional hexagonally patterned colloidal nanosheets in solution. *J Am Chem Soc.* 137: 1392-1395. <http://dx.doi.org/10.1021/ja511694a>.
- Nichterwitz, S; Hoffmann, N; Hajosch, R; Oberhoffner, S; Schlosshauer, B. (2010). Bioengineered glial strands for nerve regeneration. *Neurosci Lett.* 484: 118-122. <http://dx.doi.org/10.1016/j.neulet.2010.08.028>.
- Nicolas, G; Jankowski, CK; Lucas-Lamouroux, C; Bresson, C. (2011). Development of normal phase-high performance liquid chromatography-atmospherical pressure chemical ionization-mass spectrometry method for the study of 6,6'-bis-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-benzo[1,2,4]-triazin-3-yl)-[2,2']-bipyridine hydrolytic degradation. *J Chromatogr A.* 1218: 6369-6378. <http://dx.doi.org/10.1016/j.chroma.2011.07.003>.
- Nie, J; Yang, D; Hu, K; Lu, Y. (2016). Study on four polymorphs of bifendate based on X-ray crystallography. 6: 234-242. <http://dx.doi.org/10.1016/j.apsb.2016.03.006>.
- Nie, K; Fang, L; Yao, Y; Zhang, Y; Shen, Q; Wang, Y. (2012). Synthesis and characterization of amine-bridged bis(phenolate)lanthanide alkoxides and their application in the controlled polymerization of rac-lactide and rac- β -butyrolactone. *Inorg Chem.* 51: 11133-11143. <http://dx.doi.org/10.1021/ic301746c>.
- NIOSH. (2004). NIOSH pocket guide to chemical hazards: Dioxane. Cincinnati, OH. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- NIOSH. (2010). Dioxane. Atlanta, GA. <http://www.cdc.gov/niosh/npg/npgd0237.html>.
- Nishiyama, K; Watanabe, Y; Yoshida, N; Hirata, F. (2013). Solvent dependence of Stokes shift for organic solute-solvent systems: A comparative study by spectroscopy and reference interaction-site model-self-consistent-field theory. *J Chem Phys.* 139: 094503. <http://dx.doi.org/10.1063/1.4819268>.
- Nithya, G; Thanuja, B; Kanagam, CC. (2013). Study of intermolecular interactions in binary mixtures of 2'-chloro-4-methoxy-3-nitro benzil in various solvents and at different concentrations by the measurement of acoustic properties. *Ultrason Sonochem.* 20: 265-270. <http://dx.doi.org/10.1016/j.ultsonch.2012.05.008>.
- Nitta, K; Miyake, J; Watanabe, J; Ikeda, Y. (2012). Gel formation driven by tunable hydrophobic domain: design of acrylamide macromonomer with oligo hydrophobic segment. *Biomacromolecules.* 13: 1002-1009. <http://dx.doi.org/10.1021/bm201703y>.
- Niu, C; Li, L; Qin, P; Zeng, G; Zhang, Y. (2010). Determination of water content in organic solvents by naphthalimide derivative fluorescent probe. *Anal Sci.* 26: 671-674.
- Niu, X; Fan, Y; Liu, X; Li, X; Li, P; Wang, J; Sha, Z; Feng, Q. (2011). Repair of bone defect in femoral condyle using microencapsulated chitosan, nanohydroxyapatite/collagen and poly(L-lactide)-based microsphere-scaffold delivery system. *Artif Organs.* 35: E119-E128. <http://dx.doi.org/10.1111/j.1525-1594.2011.01274.x>.
- Niu, X; Feng, Q; Wang, M; Guo, X; Zheng, Q. (2009). Porous nano-HA/collagen/PLLA scaffold containing chitosan microspheres for controlled delivery of synthetic peptide derived from BMP-2. *J Control Release.* 134: 111-117. <http://dx.doi.org/10.1016/j.jconrel.2008.11.020>.
- NRC. (1983). Risk Assessment in the Federal Government: Managing the Process. Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/366>.
- NRC. (1994). Science and judgment in risk assessment (pp. 672). Washington, DC: National Academy Press. <http://dx.doi.org/10.17226/2125>.
- NRC. (2009). Science and decisions: Advancing risk assessment. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/12209>.
- NRC. (2011). National Academies Press Review of the Environmental Protection Agency's draft IRIS assessment of formaldehyde. Washington, DC: The National Academies Press. <http://dx.doi.org/10.17226/13142>.
- Nygren, Y; Björn, E. (2010). Mobile phase selection for the combined use of liquid chromatography-inductively coupled plasma mass spectrometry and electrospray ionisation mass spectrometry. *J Chromatogr A.* 1217: 4980-4986. <http://dx.doi.org/10.1016/j.chroma.2010.05.062>.
- Obonga, WO; Omeje, EO; Uzor, PF; Ugwu, MO. (2011). Spectrophotometric Determination and Thermodynamic Parameters of Charge Transfer Complexation Between Stavudine and Chloranilic Acid. *Tropical Journal of Pharmaceutical Research.* 10: 817-823. <http://dx.doi.org/10.4314/tjpr.v10i6.16>.
- O'Donnell, KP; Cai, Z; Schmerler, P; Williams, RO. (2013). Atmospheric freeze drying for the reduction of powder electrostatics of amorphous, low density, high surface area pharmaceutical powders. *Drug Dev Ind Pharm.* 39: 205-217. <http://dx.doi.org/10.3109/03639045.2012.669385>.

Human Health Hazard Literature Search Results

Off Topic

- Ohno, H; Iuchi, M; Kojima, N; Yoshimitsu, T; Fujii, N; Tanaka, T. (2012). Double C-H functionalization in sequential order: direct synthesis of polycyclic compounds by a palladium-catalyzed C-H alkenylation-arylation cascade. *Chemistry*. 18: 5352-5360. <http://dx.doi.org/10.1002/chem.201103819>.
- Oja, T; Klika, KD; Appassamy, L; Sinkkonen, J; Mäntsälä, P; Niemi, J; Metsä-Ketelä, M. (2012). Biosynthetic pathway toward carbohydrate-like moieties of alnumycins contains unusual steps for C-C bond formation and cleavage. *Proc Natl Acad Sci USA*. 109: 6024-6029. <http://dx.doi.org/10.1073/pnas.1201530109>.
- Oja, T; Niiranen, L; Sandalova, T; Klika, KD; Niemi, J; Mäntsälä, P; Schneider, G; Metsä-Ketelä, M. (2013). Structural basis for C-ribosylation in the alnumycin A biosynthetic pathway. *Proc Natl Acad Sci USA*. 110: 1291-1296. <http://dx.doi.org/10.1073/pnas.1207407110>.
- Oja, T; San Martin Galindo, P; Taguchi, T; Manner, S; Vuorela, PM; Ichinose, K; Metsä-Ketelä, M; Fallarero, A. (2015). Effective Antibiofilm Polyketides against *Staphylococcus aureus* from the Pyranonaphthoquinone Biosynthetic Pathways of *Streptomyces* Species. *Antimicrob Agents Chemother*. 59: 6046-6052. <http://dx.doi.org/10.1128/AAC.00991-15>.
- Oli, S; Abdelmohsen, UR; Hentschel, U; Schirmeister, T. (2014). Identification of plakortide E from the Caribbean sponge *Plakortis halichondroides* as a trypanocidal protease inhibitor using bioactivity-guided fractionation. *Mar Drugs*. 12: 2614-2622. <http://dx.doi.org/10.3390/md12052614>.
- Oliveira, E; Baptista, RM; Costa, SP; Raposo, MM; Lodeiro, C. (2014). Synthesis and solvatochromism studies of novel bis(indolyl)methanes bearing functionalized arylthiophene groups as new colored materials. *Photochem Photobiol Sci*. 13: 492-498. <http://dx.doi.org/10.1039/c3pp50352f>.
- O'Neil, MJ; Smith, A; Heckelman, PE; Obenchain, JR, Jr; Gallipeau, JAR; D'Arecca, MA. (2001). The Merck index: An encyclopedia of chemicals, drugs, and biologicals. In MJ O'Neil; A Smith; PE Heckelman; JR Obenchain; JR Gallipeau; MA D'Arecca (Eds.), (13th ed.). Whitehouse Station, NJ: Merck & Co., Inc. <http://dx.doi.org/10.1021/ci700022n>.
- Orfanakis, A; Brambrink, AM. (2013). Long-term outcome call into question the benefit of positive fluid balance and colloid treatment after aneurysmal subarachnoid hemorrhage [Editorial]. *Neurocrit Care*. 19: 137-139. <http://dx.doi.org/10.1007/s12028-013-9900-8>.
- Ortega, HE; Teixeira, E; Rabello, A; Higginbotham, S; Cubilla-Ríos, L. (2014). Anti-L. donovani activity in macrophage/amastigote model of palmarumycin CP18 and its large scale production. *Natural Product Communications*. 9: 95-98.
- OSHA. (2004). Air contaminants: occupational safety and health standards for shipyard employment. (29 CFR 1915.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10286.
- OSHA. (2004). Appendix A. Safety and health regulations for construction: Gases, vapors, fumes, dusts, and mists. (29 CFR 1926.55, Appendix A). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10629.
- OSHA. (2004). Table Z-1: Limits for air contaminants. Occupational safety and health standards. (29 CFR 1910.1000). Washington, DC: U.S. Department of Labor. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992.
- Ottersbach, PA; Elsinghorst, PW; Häcker, HG; Gütschow, M. (2010). Direct formation of ring-fused 1,3-thiazine-2,4-dithiones from aromatic o-amino carboxylic acids: observation of a carbon disulfide mediated thionation. *Org Lett*. 12: 3662-3665. <http://dx.doi.org/10.1021/ol101471g>.
- Overton, JH; Kimbell, JS; Miller, FJ. (2001). Dosimetry modeling of inhaled formaldehyde: The human respiratory tract. *Toxicol Sci*. 64: 122-134.
- Oya, A; Tanaka, N; Kusama, T; Kim, SY; Hayashi, S; Kojoma, M; Hishida, A; Kawahara, N; Sakai, K; Gono, T; Kobayashi, J. (2015). Prenylated benzophenones from *Triadenum japonicum*. *J Nat Prod*. 78: 258-264. <http://dx.doi.org/10.1021/np500827h>.
- Ozog, Y; Mazza, E; De Ridder, D; Deprest, J. (2012). Biomechanical effects of polyglycaprone fibers in a polypropylene mesh after abdominal and rectovaginal implantation in a rabbit. *Int Urogynecol J Pelvic Floor Dysfunct*. 23: 1397-1402. <http://dx.doi.org/10.1007/s00192-012-1739-6>.
- Paakinaho, K; Heino, H; Väisänen, J; Törmälä, P; Kellomäki, M. (2011). Effects of lactide monomer on the hydrolytic degradation of poly(lactide-co-glycolide) 85L/15G. *Journal of the Mechanical Behavior of Biomedical Materials*. 4: 1283-1290. <http://dx.doi.org/10.1016/j.jmbbm.2011.04.015>.
- PADOH. (2016). Health consultation: Evaluating Post-Filter Residential Water Samples Near Baghurst Drive National Priorities List Site, Upper Salford Township, Harleysville, Montgomery County, Pennsylvania. EPA Facility ID: PAN000306939. .
- Pagar, KP; Vavia, PR. (2013). Poly[LA-(Glc-Leu)] copolymer as a carrier for ocular delivery of ciprofloxacin: formulation, characterization and in vivo biocompatibility study. 4: 553-565. <http://dx.doi.org/10.4155/tde.13.29>.
- Pallavicini, M; Bolchi, C; Binda, M; Cilia, A; Clementi, F; Ferrara, R; Fumagalli, L; Gotti, C; Moretti, M; Pedretti, A; Vistoli, G; Valoti, E. (2009). 5-(2-Pyrrolidinyl)oxazolidinones and 2-(2-pyrrolidinyl)benzodioxanes: synthesis of all the stereoisomers and alpha4beta2 nicotinic affinity. 19: 854-859. <http://dx.doi.org/10.1016/j.bmcl.2008.12.002>.
- Palmisano, S; Giuricin, M; Makovac, P; Casagrande, B; Piccinni, G; de Manzini, N. (2014). Totally hand-sewn anastomosis using barbed suture device during laparoscopic gastric bypass in obese. A feasibility study and preliminary results. 12: 1385-1389. <http://dx.doi.org/10.1016/j.ijsu.2014.10.030>.
- Palyam, N; Majewski, M. (2009). Organocatalytic syn-aldol reactions of dioxanones with (S)-isoserinal hydrate: synthesis of L-deoxymannojirimycin and L-deoxydonojirimycin. *J Org Chem*. 74: 4390-4392. <http://dx.doi.org/10.1021/jo900263s>.
- Panigrahi, M; Dash, S; Patel, S; Mishra, BK. (2011). Preferential solvation of styrylpyridinium dyes in binary mixtures of alcohols with hexane, dioxane, and dichloromethane. *J Phys Chem B*. 115: 99-108. <http://dx.doi.org/10.1021/jp108002e>.
- Papadopoulou, SK; Panayiotou, C. (2014). Assessment of the thermodynamic properties of poly(2,2,2-trifluoroethyl methacrylate) by inverse gas chromatography. *J Chromatogr A*. 1324: 207-214. <http://dx.doi.org/10.1016/j.chroma.2013.11.044>.

Human Health Hazard Literature Search Results

Off Topic

- Papastamoulis, Y; Richard, T; Nassra, M; Badoc, A; Krisa, S; Harakat, D; Monti, JP; Mérillon, JM; Waffo-Teguo, P. (2014). Viniphenol A, a complex resveratrol hexamer from *Vitis vinifera* stalks: structural elucidation and protective effects against amyloid- β -induced toxicity in PC12 cells. *J Nat Prod.* 77: 213-217. <http://dx.doi.org/10.1021/np4005294>.
- Papazian, NJ; Chahine, F; Atiyeh, B; Deeba, S; Zgheib, E; Abu-Sittah, G. (2015). Introduction of "Papazian Pusher: " A Modified-Design Knot Pusher for Surgical Repair of Cleft Palates. *J Craniofac Surg.* 26: 1975-1976. <http://dx.doi.org/10.1097/SCS.0000000000001926>.
- Papazoglou, LG; Tsioli, V; Papaioannou, N; Georgiadis, M; Savvas, I; Prassinis, N; Kouti, V; Bikiaris, D; Hadzigiannakis, C; Zavros, N. (2010). Comparison of absorbable and nonabsorbable sutures for intradermal skin closure in cats. *Can Vet J.* 51: 770-772.
- Papenburg, BJ; Schüller-Ravoo, S; Bolhuis-Versteeg, LA; Hartsuiker, L; Grijpma, DW; Feijen, J; Wessling, M; Stamatialis, D. (2009). Designing porosity and topography of poly(1,3-trimethylene carbonate) scaffolds. *Acta Biomater.* 5: 3281-3294. <http://dx.doi.org/10.1016/j.actbio.2009.05.017>.
- Pappuru, S; Chokkapu, ER; Chakraborty, D; Ramkumar, V. (2013). Group IV complexes containing the benzotriazole phenoxide ligand as catalysts for the ring-opening polymerization of lactides, epoxides and as precatalysts for the polymerization of ethylene. *Dalton Transactions (Online).* 42: 16412-16427. <http://dx.doi.org/10.1039/c3dt52065j>.
- Parhira, S; Zhu, GY; Chen, M; Bai, LP; Jiang, ZH. (2016). Cardenolides from *Calotropis gigantea* as potent inhibitors of hypoxia-inducible factor-1 transcriptional activity. *J Ethnopharmacol.* 194: 930-936. <http://dx.doi.org/10.1016/j.jep.2016.10.070>.
- Park, AK; Chi, YM; Moon, JH. (2011). Crystal structure of PduO-Type ATP:Cob(I)alamin adenosyltransferase from *Bacillus cereus* in a complex with ATP. *Biochem Biophys Res Commun.* 408: 417-421. <http://dx.doi.org/10.1016/j.bbrc.2011.04.036>.
- Park, JH; Hussam, A; Couasnon, P; Fritz, D; Carr, PW. (1987). Experimental reexamination of selected partition coefficients from Rohrschneider's data set. *Anal Chem.* 59: 1970-1976. <http://dx.doi.org/10.1021/ac00142a016>.
- Parks, V; Philipp, AW; Raje, S; Plotka, A; Schechter, LE; Connell, J; Chalon, S. (2012). Concomitant blockade of 5-HT(1A) receptor and 5-HT transporter: use of the Hunter Serotonin toxicity criteria in a clinical pharmacology study. 22: 92-99. <http://dx.doi.org/10.1016/j.euroneuro.2011.06.002>.
- Patat, A; Parks, V; Raje, S; Plotka, A; Chassard, D; Le Coz, F. (2009). Safety, tolerability, pharmacokinetics and pharmacodynamics of ascending single and multiple doses of lecozotan in healthy young and elderly subjects. *Br J Clin Pharmacol.* 67: 299-308. <http://dx.doi.org/10.1111/j.1365-2125.2008.03348.x>.
- Patil, A; Duckett, J. (2012). Short-term complications after vaginal prolapse surgery: do suture characteristics influence morbidity? 32: 778-780. <http://dx.doi.org/10.3109/01443615.2012.717991>.
- Peleteiro, S; Santos, V; Garrote, G; Parajó, JC. (2016). Furfural production from Eucalyptus wood using an Acidic Ionic Liquid. *Carbohydr Polymer.* 146: 20-25. <http://dx.doi.org/10.1016/j.carbpol.2016.03.049>.
- Peña, MA; Escalera, B; Reillo, A; Sánchez, AB; Bustamante, P. (2009). Thermodynamics of cosolvent action: phenacetin, salicylic acid and probenecid. *J Pharm Sci.* 98: 1129-1135. <http://dx.doi.org/10.1002/jps.21497>.
- Perestrelo, R; Barros, AS; Câmara, JS; Rocha, SM. (2011). In-depth search focused on furans, lactones, volatile phenols, and acetals as potential age markers of Madeira wines by comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry combined with solid phase microextraction. *J Agric Food Chem.* 59: 3186-3204. <http://dx.doi.org/10.1021/jf104219t>.
- Persico, M; Parapini, S; Chianese, G; Fattorusso, C; Lombardo, M; Petrizza, L; Quintavalla, A; Rondinelli, F; Basilico, N; Taramelli, D; Trombini, C; Fattorusso, E; Tagliatalata-Scafati, O. (2013). Further optimization of plakortin pharmacophore: structurally simple 4-oxymethyl-1,2-dioxanes with promising antimalarial activity. *Eur J Med Chem.* 70: 875-886. <http://dx.doi.org/10.1016/j.ejmech.2013.10.050>.
- Persico, M; Quintavalla, A; Rondinelli, F; Trombini, C; Lombardo, M; Fattorusso, C; Azzarito, V; Taramelli, D; Parapini, S; Corbett, Y; Chianese, G; Fattorusso, E; Tagliatalata-Scafati, O. (2011). A new class of antimalarial dioxanes obtained through a simple two-step synthetic approach: rational design and structure-activity relationship studies. *J Med Chem.* 54: 8526-8540. <http://dx.doi.org/10.1021/jm201056j>.
- Pešić, M; López, C; López-Santín, J; Alvaro, G. (2013). From amino alcohol to aminopolyol: one-pot multienzyme oxidation and aldol addition. *Appl Microbiol Biotechnol.* 97: 7173-7183. <http://dx.doi.org/10.1007/s00253-013-5011-x>.
- Petrone, A; Caruso, P; Tenuta, S; Rega, N. (2013). On the optical absorption of the anionic GFP chromophore in vacuum, solution, and protein. *Phys Chem Chem Phys.* 15: 20536-20544. <http://dx.doi.org/10.1039/c3cp52820k>.
- Petrus, R; Sobota, P. (2013). Zinc complexes supported by methyl salicylate ligands: synthesis, structure, and application in ring-opening polymerization of L-lactide. *Dalton Transactions (Online).* 42: 13838-13844. <http://dx.doi.org/10.1039/c3dt51200b>.
- Phan, HD; Yokoyama, T; Matsumoto, Y. (2012). Direct participation of counter anion in acid hydrolysis of glycoside. *Org Biomol Chem.* 10: 7382-7391. <http://dx.doi.org/10.1039/c2ob25451d>.
- Phan, HD; Yokoyama, T; Matsumoto, Y. (2013). Effect of Increasing the Common Anion Concentration on the Acid Hydrolysis of Glycosides. *Journal of Carbohydrate Chemistry.* 32: 223-239. <http://dx.doi.org/10.1080/07328303.2013.800085>.
- Pierson, NA; Chen, L; Valentine, SJ; Russell, DH; Clemmer, DE. (2011). Number of solution states of bradykinin from ion mobility and mass spectrometry measurements. *J Am Chem Soc.* 133: 13810-13813. <http://dx.doi.org/10.1021/ja203895j>.
- Pietrangelo, A; Knight, SC; Gupta, AK; Yao, LJ; Hillmyer, MA; Tolman, WB. (2010). Mechanistic study of the stereoselective polymerization of D,L-lactide using indium(III) halides. *J Am Chem Soc.* 132: 11649-11657. <http://dx.doi.org/10.1021/ja103841h>.
- Pilkington, LI; Wagoner, J; Polyak, SJ; Barker, D. (2015). Enantioselective synthesis, stereochemical correction, and biological investigation of the rogersinine family of 1,4-benzodioxane neolignans. *Org Lett.* 17: 1046-1049. <http://dx.doi.org/10.1021/acs.orglett.5b00189>.
- Pingali, H; Jain, M; Shah, S; Makadia, P; Zaware, P; Jamili, J; Sairam, KVV, M; Patil, P; Suthar, D; Giri, S; Patel, H; Patel, P. (2010). Design and Synthesis of Novel 1,3-Dioxane-2-carboxylic Acid Derivatives as PPAR α/γ Dual Agonists. *Letters in Drug Design & Discovery.* 7: 421-429.

Human Health Hazard Literature Search Results

Off Topic

- Pires, LR; Guarino, V; Oliveira, MJ; Ribeiro, CC; Barbosa, MA; Ambrosio, L; Pêgo, AP. (2016). Ibuprofen-loaded poly(trimethylene carbonate-co-ε-caprolactone) electrospun fibres for nerve regeneration. *J Tissue Eng Regen Med.* 10: E154-E166. <http://dx.doi.org/10.1002/term.1792>.
- Pires, LR; Rocha, DN; Ambrosio, L; Pêgo, AP. (2015). The role of the surface on microglia function: implications for central nervous system tissue engineering. *J R Soc Interface.* 12. <http://dx.doi.org/10.1098/rsif.2014.1224>.
- Pirvu, T; Blanquer, SB; Benneker, LM; Grijpma, DW; Richards, RG; Alini, M; Eglin, D; Grad, S; Li, Z. (2015). A combined biomaterial and cellular approach for annulus fibrosus rupture repair. *Biomaterials.* 42: 11-19. <http://dx.doi.org/10.1016/j.biomaterials.2014.11.049>.
- Pisapia, JM; Xu, X; Kelly, J; Yeung, J; Carrion, G; Tong, H; Meghan, S; El-Falaky, OM; Grady, MS; Smith, DH; Zaitsev, S; Muzykantov, VR; Stiefel, MF; Stein, SC. (2012). Microthrombosis after experimental subarachnoid hemorrhage: time course and effect of red blood cell-bound thrombin-activated pro-urokinase and clazosentan. *Exp Neurol.* 233: 357-363. <http://dx.doi.org/10.1016/j.expneurol.2011.10.029>.
- Platel, RH; White, AJ; Williams, CK. (2011). Bis(phosphonic)diimidato yttrium amide, alkoxide, and aryloxide complexes: an evaluation of lactide ring-opening polymerization initiator efficiency. *Inorg Chem.* 50: 7718-7728. <http://dx.doi.org/10.1021/ic200773x>.
- Platz, J; Sehested, J; Mogelberg, T; Nielsen, OJ; Wallington, TJ. (1997). Atmospheric chemistry of 1,4-dioxane. *Faraday Trans 1.* 93: 2855-2863. <http://dx.doi.org/10.1039/a700598i>.
- Plazas Bonilla, CE; Trujillo, S; Demirdögen, B; Perilla, JE; Murat Elcin, Y; Gómez Ribelles, JL. (2014). New porous polycaprolactone-silica composites for bone regeneration. *Mater Sci Eng C.* 40: 418-426. <http://dx.doi.org/10.1016/j.msec.2014.04.024>.
- Poircuitte, JM; Popkov, D; Popkov, P; Huber, H; Huber, DH; Polirsztok, E; Lascombes, P; Journeau, P. (2015). Resorbable osteosynthetic devices in pediatric traumatology: a prospective series of 24 cases. *European Journal of Orthopaedic Surgery and Traumatology.* 25: 997-1004. <http://dx.doi.org/10.1007/s00590-015-1656-8>.
- Poirier, V; Roisnel, T; Carpentier, JF; Sarazin, Y. (2009). Versatile catalytic systems based on complexes of zinc, magnesium and calcium supported by a bulky bis(morpholinomethyl)phenoxy ligand for the large-scale immortal ring-opening polymerisation of cyclic esters. *Dalton Transactions (Online)*9820-9827. <http://dx.doi.org/10.1039/b917799j>.
- Pornwongthong, P; Mulchandani, A; Gedalanga, PB; Mahendra, S. (2014). Transition metals and organic ligands influence biodegradation of 1,4-dioxane. *Appl Biochem Biotechnol.* 173: 291-306. <http://dx.doi.org/10.1007/s12010-014-0841-2>.
- Pounder, RJ; Dove, AP. (2010). Synthesis and organocatalytic ring-opening polymerization of cyclic esters derived from l-malic acid. *Biomacromolecules.* 11: 1930-1939. <http://dx.doi.org/10.1021/bm1004355>.
- Povlsen, GK; Edvinsson, L. (2015). MEK1/2 inhibitor U0126 but not endothelin receptor antagonist clazosentan reduces upregulation of cerebrovascular contractile receptors and delayed cerebral ischemia, and improves outcome after subarachnoid hemorrhage in rats. *J Cereb Blood Flow Metab.* 35: 329-337. <http://dx.doi.org/10.1038/jcbfm.2014.205>.
- Pracha, S; Praban, S; Niewpung, A; Kotpisan, G; Kongsaeeree, P; Saithong, S; Khamnaen, T; Phiriyawirut, P; Charoenchaidet, S; Phomphrai, K. (2013). Syntheses of bis(pyrrylaluminato)aluminum complexes for the polymerisation of lactide. *Dalton Transactions (Online).* 42: 15191-15198. <http://dx.doi.org/10.1039/c3dt51377g>.
- Přichystalová, H; Almonasy, N; Abdel-Mohsen, AM; Abdel-Rahman, RM; Fouda, MM; Vojtova, L; Kobera, L; Spatz, Z; Burgert, L; Jancar, J. (2014). Synthesis, characterization and antibacterial activity of new fluorescent chitosan derivatives. *Int J Biol Macromol.* 65: 234-240. <http://dx.doi.org/10.1016/j.ijbiomac.2014.01.050>.
- Priego Jiménez, P; Salvador Sanchís, JL; Angel, V; Escrig-Sos, J. (2014). Short-term results for laparoscopic repair of large paraesophageal hiatal hernias with Gore Bio A® mesh. *Int J Surg.* 12: 794-797. <http://dx.doi.org/10.1016/j.ijsu.2014.06.001>.
- Prodanović, O; Prokopijević, M; Spasojević, D; Stojanović, Z; Radotić, K; Knežević-Jugović, ZD; Prodanović, R. (2012). Improved covalent immobilization of horseradish peroxidase on macroporous glycidyl methacrylate-based copolymers. *Appl Biochem Biotechnol.* 168: 1288-1301. <http://dx.doi.org/10.1007/s12010-012-9857-7>.
- Prokopijevic, M; Prodanovic, O; Spasojevic, D; Stojanovic, Z; Radotic, K; Prodanovic, R. (2014). Soybean hull peroxidase immobilization on macroporous glycidyl methacrylates with different surface characteristics. *Bioprocess Biosyst Eng.* 37: 799-804. <http://dx.doi.org/10.1007/s00449-013-1050-z>.
- Prozil, SO; Evtuguin, DV; Silva, AM; Lopes, LP. (2014). Structural characterization of lignin from grape stalks (*Vitis vinifera* L.). *J Agric Food Chem.* 62: 5420-5428. <http://dx.doi.org/10.1021/jf502267s>.
- Pustylnyak, V; Kazakova, Y; Yarushkin, A; Slyenko, N; Gulyaeva, L. (2011). Effect of several analogs of 2,4,6-triphenyldioxane-1,3 on CYP2B induction in mouse liver. *Chem Biol Interact.* 194: 134-138. <http://dx.doi.org/10.1016/j.cbi.2011.09.003>.
- Pustylnyak, V; Pivovarova, E; Slyenko, N; Gulyaeva, L; Lyakhovich, V. (2009). Species-specific induction of CYP2B by 2,4,6-triphenyldioxane-1,3 (TPD). *Life Sci.* 85: 815-821. <http://dx.doi.org/10.1016/j.lfs.2009.10.015>.
- Pustylnyak, V; Yarushkin, A; Kachaylo, E; Slyenko, N; Lyakhovich, V; Gulyaeva, L. (2011). Effect of several analogs of 2,4,6-triphenyldioxane-1,3 on constitutive androstane receptor activation. *Chem Biol Interact.* 192: 177-183. <http://dx.doi.org/10.1016/j.cbi.2011.03.005>.
- Qian, F; Liu, K; Ma, H. (2010). Amidinate aluminium complexes: synthesis, characterization and ring-opening polymerization of rac-lactide. *Dalton Transactions (Online).* 39: 8071-8083. <http://dx.doi.org/10.1039/c0dt00272k>.
- Qiu, RX; Li, CM; Ye, L; Dong, JD; Zhang, AY; Gu, YQ; Feng, ZG. (2009). Electrospinning of synthesized triblock copolymers of epsilon-caprolactone and L-lactide for the application of vascular tissue engineering. *Biomed Mater.* 4: 044105. <http://dx.doi.org/10.1088/1748-6041/4/4/044105>.
- Quan, SM; Diaconescu, PL. (2015). High activity of an indium alkoxide complex toward ring opening polymerization of cyclic esters. *Chem Commun (Camb).* 51: 9643-9646. <http://dx.doi.org/10.1039/c5cc01312g>.
- Quesada-Medina, J; López-Cremades, FJ; Olivares-Carrillo, P. (2010). Organosolv extraction of lignin from hydrolyzed almond shells and application of the delta-value theory. *Bioresour Technol.* 101: 8252-8260. <http://dx.doi.org/10.1016/j.biortech.2010.06.011>.

Human Health Hazard Literature Search Results

Off Topic

- Quintana, J; Vegué, L; Martín-Alonso, J; Paraira, M; Boleda, MR; Ventura, F. (2016). Odor Events in Surface and Treated Water: The Case of 1,3-Dioxane Related Compounds. *Environ Sci Technol*. 50: 62-69. <http://dx.doi.org/10.1021/acs.est.5b03409>.
- Rabbani, S; Corona, F; Ernst, B. (2009). Biochemical characterization of *Helicobacter pylori* α -1,4 fucosyltransferase: metal ion requirement, donor substrate specificity and organic solvent stability. *Biometals*. 22: 1011-1017. <http://dx.doi.org/10.1007/s10534-009-9252-1>.
- Radhakrishnanand, P; Rao, DVS; Himabindu, V. (2009). Validated Chiral LC Method for the Enantiomeric Separation of Palonosetron Hydrochloride. *Chromatographia*. 69: 369-373. <http://dx.doi.org/10.1365/s10337-008-0887-9>.
- Rajashekhar, B; Roymuhury, SK; Chakraborty, D; Ramkumar, V. (2015). Group 4 metal complexes of Trost's semi-crown ligand: synthesis, structural characterization and studies on the ring-opening polymerization of lactides and ϵ -caprolactone. *Dalton Transactions (Online)*. 44: 16280-16293. <http://dx.doi.org/10.1039/c5dt02267c>.
- Rajender Reddy, L; Das, SG; Liu, Y; Prashad, M. (2010). A facile asymmetric synthesis of either enantiomer of 2-substituted pyrrolidines. *J Org Chem*. 75: 2236-2246. <http://dx.doi.org/10.1021/jo902710s>.
- Ramsey, JC; Andersen, ME. (1984). A physiologically based description of the inhalation pharmacokinetics of styrene in rats and humans. *Toxicol Appl Pharmacol*. 73: 159-175. [http://dx.doi.org/10.1016/0041-008X\(84\)90064-4](http://dx.doi.org/10.1016/0041-008X(84)90064-4).
- Ranjana Devi, N; Huidrom, B; Rajmuhon Singh, N. (2012). Studies on the complexation of Pr(III) and Nd(III) with glycyl-glycine (gly-gly) using spectral analysis of 4f-4f transitions and potentiometric titrations. *Spectrochim Acta A Mol Biomol Spectrosc*. 96: 370-379. <http://dx.doi.org/10.1016/j.saa.2012.05.038>.
- Rathi, PB. (2010). Determination and evaluation of solubility parameter of satranidazole using dioxane-water system. *Indian J Pharmaceut Sci*. 72: 671-674. <http://dx.doi.org/10.4103/0250-474X.78546>.
- Rathi, PB. (2011). Solubility prediction of satranidazole in propylene glycol-water mixtures using extended hildebrand solubility approach. *Indian J Pharmaceut Sci*. 73: 670-674. <http://dx.doi.org/10.4103/0250-474X.100243>.
- Rathi, PB; Mourya, VK. (2011). Extended hildebrand solubility approach: satranidazole in mixtures of dioxane and water. *Indian J Pharmaceut Sci*. 73: 315-319. <http://dx.doi.org/10.4103/0250-474X.93518>.
- Rathi, PB; Mourya, VK. (2012). Solubility Prediction of Satranidazole in Aqueous N,N-dimethylformamide Mixtures Using Extended Hildebrand Solubility Approach. *Indian J Pharmaceut Sci*. 74: 254-258. <http://dx.doi.org/10.4103/0250-474X.106068>.
- Ratto, C; Litta, F; Parello, A; Donisi, L. (2012). Is the placement of the new synthetic anal fistula plug really so ineffective? [Letter]. *Dis Colon Rectum*. 55: e61; author reply e61-e61; author reply e62. <http://dx.doi.org/10.1097/DCR.0b013e31824a4fa0>.
- Ravelli, D; Protti, S; Fagnoni, M. (2016). Decatungstate Anion for Photocatalyzed "Window Ledge" Reactions. *Acc Chem Res*. 49: 2232-2242. <http://dx.doi.org/10.1021/acs.accounts.6b00339>.
- Reck, F; Alm, RA; Brassil, P; Newman, JV; Ciaccio, P; McNulty, J; Barthlow, H; Goteti, K; Breen, J; Comita-Prevoir, J; Cronin, M; Ehmann, DE; Geng, B; Godfrey, AA; Fisher, SL. (2012). Novel N-linked aminopiperidine inhibitors of bacterial topoisomerase type II with reduced pK(a): antibacterial agents with an improved safety profile. *J Med Chem*. 55: 6916-6933. <http://dx.doi.org/10.1021/jm300690s>.
- Reddy, ND; Jana, A; Roesky, HW; Samuel, PP; Schulzke, C. (2010). Synthesis of phosphine substituted beta-diketimate based isomeric Ge(II) complexes. *Dalton Transactions (Online)* 234-238. <http://dx.doi.org/10.1039/b915403e>.
- Regan, T; Lawrence, N. (2013). Comparison of poliglecaprone-25 and polyglactin-910 in cutaneous surgery. *Dermatol Surg*. 39: 1340-1344. <http://dx.doi.org/10.1111/dsu.12265>.
- Regnier-Delplace, C; Thillaye du Boullay, O; Siepmann, F; Martin-Vaca, B; Demonchaux, P; Jentzer, O; Danède, F; Descamps, M; Siepmann, J; Bourissou, D. (2013). PLGAs bearing carboxylated side chains: novel matrix formers with improved properties for controlled drug delivery. *J Control Release*. 166: 256-267. <http://dx.doi.org/10.1016/j.jconrel.2012.12.024>.
- Reichert, D; Gröger, S; Hackel, C. (2017). New insights into the interaction of proteins and disaccharides-The effect of pH and concentration. *Biopolymers*. 107: 39-45. <http://dx.doi.org/10.1002/bip.22990>.
- Reimann, S; Grunwaldt, JD; Mallat, T; Baiker, A. (2010). Asymmetric C-C bond-formation reaction with Pd: how to favor heterogeneous or homogeneous catalysis? *Chemistry*. 16: 9658-9668. <http://dx.doi.org/10.1002/chem.201000833>.
- Rencoret, J; Prinsen, P; Gutiérrez, A; Martínez, ÁT; Del Río, JC. (2015). Isolation and structural characterization of the milled wood lignin, dioxane lignin, and cellulolytic lignin preparations from brewer's spent grain. *J Agric Food Chem*. 63: 603-613. <http://dx.doi.org/10.1021/jf505808c>.
- Rial-Hermida, MI; Oliveira, NM; Concheiro, A; Alvarez-Lorenzo, C; Mano, JF. (2014). Bioinspired superamphiphobic surfaces as a tool for polymer- and solvent-independent preparation of drug-loaded spherical particles. *Acta Biomater*. 10: 4314-4322. <http://dx.doi.org/10.1016/j.actbio.2014.06.009>.
- Ribeiro, BD; Barreto, DW; Coelho, MA. (2013). Enzyme-enhanced extraction of phenolic compounds and proteins from flaxseed meal. 2013: 521067. <http://dx.doi.org/10.5402/2013/521067>.
- Richter, L; Jancik, V; Martinez-Otero, D; Pokluda, A; Zak, Z; Taraba, J, an; Touzin, J. (2014). Taming the Oxidative Power of SeO₃ in 1,4-Dioxane, Isolation of Two New Isomers of Mixed-Valence Selenium Oxides, and Two Unprecedented Cyclic Esters of Selenic Acid. *Inorg Chem*. 53: 6569-6577. <http://dx.doi.org/10.1021/ic500137z>.
- Ríos-Lombardía, N; Busto, E; Gotor-Fernández, V; Gotor, V. (2011). Chemoenzymatic asymmetric synthesis of optically active pentane-1,5-diamine fragments by means of lipase-catalyzed desymmetrization transformations. *J Org Chem*. 76: 5709-5718. <http://dx.doi.org/10.1021/jo2007972>.
- Ripoll-Seguer, L; Beneito-Cambra, M; Herrero-Martinez, JM; Simo-Alfonso, EF; Ramis-Ramos, G. (2013). Determination of non-ionic and anionic surfactants in industrial products by separation on a weak ion-exchanger, derivatization and liquid chromatography. *J Chromatogr A*. 1320: 66-71. <http://dx.doi.org/10.1016/j.chroma.2013.10.046>.

Human Health Hazard Literature Search Results

Off Topic

- Ro, AJ; Falotico, R; Davé, V. (2011). Microstructure and drug-release studies of sirolimus-containing poly(lactide-co-glycolide) films. *J Biomed Mater Res B Appl Biomater.* 97: 30-39. <http://dx.doi.org/10.1002/jbm.b.31777>.
- Ródenas-Montano, J; Carrasco-Correa, EJ; Beneito-Cambra, M; Ramis-Ramos, G; Herrero-Martínez, JM. (2013). Determination of alcohols in essential oils by liquid chromatography with ultraviolet detection after chromogenic derivatization. *J Chromatogr A.* 1296: 157-163. <http://dx.doi.org/10.1016/j.chroma.2013.04.072>.
- Röhrnbauer, B; Ozog, Y; Egger, J; Werbrouck, E; Deprest, J; Mazza, E. (2013). Combined biaxial and uniaxial mechanical characterization of prosthetic meshes in a rabbit model. *J Biomech.* 46: 1626-1632. <http://dx.doi.org/10.1016/j.jbiomech.2013.04.015>.
- Romero, O; Araya, E; Illanes, A; Wilson, L. (2014). Evaluation of kinetic parameters of immobilized penicillin G acylase subject to an inactivation and reactivation process. *Journal of Molecular Catalysis B: Enzymatic.* 104: 70-74. <http://dx.doi.org/10.1016/j.molcatb.2014.03.004>.
- Romero, O; Manuel Guisan, J; Illanes, A; Wilson, L. (2012). Reactivation of penicillin acylase biocatalysts: Effect of the intensity of enzyme-support attachment and enzyme load. *Journal of Molecular Catalysis B: Enzymatic.* 74: 224-229. <http://dx.doi.org/10.1016/j.molcatb.2011.10.009>.
- Romero, O; Vergara, J; Fernández-Lafuente, R; Guisán, JM; Illanes, A; Wilson, L. (2009). Simple strategy of reactivation of a partially inactivated penicillin g acylase biocatalyst in organic solvent and its impact on the synthesis of beta-lactam antibiotics. *Biotechnol Bioeng.* 103: 472-479. <http://dx.doi.org/10.1002/bit.22264>.
- Rong, JX; Blachford, C; Feig, JE; Bander, I; Mayne, J; Kusunoki, J; Miller, C; Davis, M; Wilson, M; Dehn, S; Thorp, E; Tabas, I; Taubman, MB; Rudel, LL; Fisher, EA. (2013). ACAT inhibition reduces the progression of preexisting, advanced atherosclerotic mouse lesions without plaque or systemic toxicity. *Arterioscler Thromb Vasc Biol.* 33: 4-12. <http://dx.doi.org/10.1161/ATVBAHA.112.252056>.
- Roşca, SC; Roşca, DA; Dorcet, V; Kozak, CM; Kerton, FM; Carpentier, JF; Sarazin, Y. (2013). Alkali aminoether-phenolate complexes: synthesis, structural characterization and evidence for an activated monomer ROP mechanism. *Dalton Transactions (Online).* 42: 9361-9375. <http://dx.doi.org/10.1039/c2dt32726k>.
- Rosenzweig, LB; Abdelmalek, M; Ho, J; Hruza, GJ. (2010). Equal cosmetic outcomes with 5-0 poliglecaprone-25 versus 6-0 polypropylene for superficial closures. *Dermatol Surg.* 36: 1126-1129. <http://dx.doi.org/10.1111/j.1524-4725.2010.01594.x>.
- Rothe, M; Gruber, T; Gröger, S; Balbach, J; Saalwächter, K; Roos, M. (2016). Transient binding accounts for apparent violation of the generalized Stokes-Einstein relation in crowded protein solutions. *Phys Chem Chem Phys.* 18: 18006-18014. <http://dx.doi.org/10.1039/c6cp01056c>.
- Rougier, NM; Cruickshank, DL; Vico, RV; Bourne, SA; Caira, MR; Buján, EI; de Rossi, RH. (2011). Effect of cyclodextrins on the reactivity of fenitrothion. *Carbohydr Res.* 346: 322-327. <http://dx.doi.org/10.1016/j.carres.2010.06.016>.
- Roy, JW; Bickerton, G. (2010). Proactive screening approach for detecting groundwater contaminants along urban streams at the reach-scale. *Environ Sci Technol.* 44: 6088-6094. <http://dx.doi.org/10.1021/es101492x>.
- Roy, S; Banerjee, S; Biyani, N; Jana, B; Bagchi, B. (2011). Theoretical and computational analysis of static and dynamic anomalies in water-DMSO binary mixture at low DMSO concentrations. *J Phys Chem B.* 115: 685-692. <http://dx.doi.org/10.1021/jp109622h>.
- Roy, S; Jana, B; Bagchi, B. (2012). Dimethyl sulfoxide induced structural transformations and non-monotonic concentration dependence of conformational fluctuation around active site of lysozyme. *J Chem Phys.* 136: 115103. <http://dx.doi.org/10.1063/1.3694268>.
- Ruane-O'Hora, T; Rae, MG; Markos, F. (2011). Effect of clazosentan, a selective endothelin A receptor antagonist, and tezosentan, a dual endothelin A/B antagonist, on pulsatile shear stress induced constriction of the iliac in the anaesthetized pig. *Clin Exp Pharmacol Physiol.* 38: 515-520. <http://dx.doi.org/10.1111/j.1440-1681.2011.05540.x>.
- Rüder, C; Sauter, T; Becker, T; Kratz, K; Hiebl, B; Jung, F; Lendlein, A; Zohlnhöfer, D. (2012). Viability, proliferation and adhesion of smooth muscle cells and human umbilical vein endothelial cells on electrospun polymer scaffolds. *Clin Hemorheol Microcirc.* 50: 101-112. <http://dx.doi.org/10.3233/CH-2011-1447>.
- Rüder, C; Sauter, T; Kratz, K; Haase, T; Peter, J; Jung, F; Lendlein, A; Zohlnhöfer, D. (2013). Influence of fibre diameter and orientation of electrospun copolyetheresterurethanes on smooth muscle and endothelial cell behaviour. *Clin Hemorheol Microcirc.* 55: 513-522. <http://dx.doi.org/10.3233/CH-131787>.
- Rüder, C; Sauter, T; Kratz, K; Peter, J; Jung, F; Lendlein, A; Zohlnhöfer, D. (2012). Smooth muscle and endothelial cell behaviour on degradable copolyetheresterurethane films. *Clin Hemorheol Microcirc.* 52: 313-323. <http://dx.doi.org/10.3233/CH-2012-1607>.
- Ruggiero, F; Netti, PA; Torino, E. (2015). Experimental Investigation and Thermodynamic Assessment of Phase Equilibria in the PLLA/Dioxane/Water Ternary System for Applications in the Biomedical Field. *Langmuir.* 31: 13003-13010. <http://dx.doi.org/10.1021/acs.langmuir.5b02460>.
- Ruiz de Adana, JC; Hernández Matías, A; Hernández Bartolomé, M; Manzanedo Romero, I; Leon Ledesma, R; Valle Rubio, A; López Herrero, J; Limones Esteban, M. (2009). Risk of gastrojejunal anastomotic stricture with multifilament and monofilament sutures after hand-sewn laparoscopic gastric bypass: a prospective cohort study. *Obes Surg.* 19: 1274-1277. <http://dx.doi.org/10.1007/s11695-009-9897-4>.
- Ruminski, PG; Massa, M; Strohbach, J; Hanau, CE; Schmidt, M; Scholten, JA; Fletcher, TR; Hamper, BC; Carroll, JN; Shieh, HS; Caspers, N; Collins, B; Grapperhaus, M; Palmquist, KE; Collins, J; Baldus, JE; Hitchcock, J; Kleine, HP; Rogers, MD; McDonald, J; Munie, GE; Messing, DM; Portolan, S; Whiteley, LO; Sunyer, T; Schnute, ME. (2016). Discovery of N-(4-Fluoro-3-methoxybenzyl)-6-(2-(((2S,5R)-5-(hydroxymethyl)-1,4-dioxan-2-yl)methyl)-2H-tetrazol-5-yl)-2-methylpyrimidine-4-carboxamide. A Highly Selective and Orally Bioavailable Matrix Metalloproteinase-13 Inhibitor for the Potential Treatment of Osteoarthritis. *J Med Chem.* 59: 313-327. <http://dx.doi.org/10.1021/acs.jmedchem.5b01434>.
- Rychter, P; Pamula, E; Orchel, A; Posadowska, U; Krok-Borkowicz, M; Kaps, A; Smigiel-Gac, N; Smola, A; Kasperczyk, J; Prochwicz, W; Dobrzynski, P. (2015). Scaffolds with shape memory behavior for the treatment of large bone defects. *J Biomed Mater Res A.* 103: 3503-3515. <http://dx.doi.org/10.1002/jbm.a.35500>.

Human Health Hazard Literature Search Results

Off Topic

- Ryseck, G; Villnow, T; Hugenbruch, S; Schaper, K; Gilch, P. (2013). Strong impact of the solvent on the photokinetics of a 2(1H)-pyrimidinone. *Photochem Photobiol Sci.* 12: 1423-1430. <http://dx.doi.org/10.1039/c3pp50074h>.
- Ryttlefors, M; Enblad, P; Ronne-Engström, E; Persson, L; Ilodigwe, D; Macdonald, RL. (2010). Patient age and vasospasm after subarachnoid hemorrhage. *Neurosurgery.* 67: 911-917. <http://dx.doi.org/10.1227/NEU.0b013e3181ed11ab>.
- Ryu, B; Li, Y; Qian, ZJ; Kim, MM; Kim, SK. (2009). Differentiation of human osteosarcoma cells by isolated phlorotannins is subtly linked to COX-2, iNOS, MMPs, and MAPK signaling: Implication for chronic articular disease. *Chem Biol Interact.* 179: 192-201. <http://dx.doi.org/10.1016/j.cbi.2009.01.006>.
- Sabirov, A; Lyu, RM; Chen, XQ; Tian, Q; Chang, JK. (2013). A total solid-phase synthesis of DILP8. *Ital J Anat Embryol.* 118: 13-14.
- Sabri, M; Ai, JL; Macdonald, RL. (2011). Dissociation of Vasospasm and Secondary Effects of Experimental Subarachnoid Hemorrhage by Clazosentan. *Stroke.* 42: 1454-1460. <http://dx.doi.org/10.1161/STROKEAHA.110.604728>.
- Sachdeva, H; Saroj, R; Dwivedi, D. (2014). Nano-ZnO catalyzed multicomponent one-pot synthesis of novel spiro(indoline-pyranodioxine) derivatives. *ScientificWorldJournal.* 2014: 427195. <http://dx.doi.org/10.1155/2014/427195>.
- Sadowy, E; Sierko, A; Gawryszewska, I; Bojarska, A; Malinowska, K; Hryniewicz, W. (2013). High abundance and diversity of antimicrobial resistance determinants among early vancomycin-resistant *Enterococcus faecium* in Poland. *European Journal of Clinical Microbiology and Infectious Diseases.* 32: 1193-1203. <http://dx.doi.org/10.1007/s10096-013-1868-y>.
- Saha, TK; Rajashekhar, B; Gowda, RR; Ramkumara, V; Chakraborty, D. (2010). Bis(imino)phenoxide complexes of zirconium: synthesis, structural characterization and solvent-free ring-opening polymerization of cyclic esters and lactides. *Dalton Transactions (Online).* 39: 5091-5093. <http://dx.doi.org/10.1039/c002875d>.
- Saha, TK; Ramkumar, V; Chakraborty, D. (2011). Salen complexes of zirconium and hafnium: synthesis, structural characterization, controlled hydrolysis, and solvent-free ring-opening polymerization of cyclic esters and lactides. *Inorg Chem.* 50: 2720-2722. <http://dx.doi.org/10.1021/ic1025262>.
- Sajenko, I; Pilepić, V; Brala, CJ; Ursić, S. (2010). Solvent dependence of the kinetic isotope effect in the reaction of ascorbate with the 2,2,6,6-tetramethylpiperidine-1-oxyl radical: tunnelling in a small molecule reaction. *J Phys Chem A.* 114: 3423-3430. <http://dx.doi.org/10.1021/jp911086n>.
- Sakamoto, H; Ishikawa, J; Osuga, H; Doi, K; Wada, H. (2010). Highly silver ion selective fluorescence ionophore: fluorescent properties of polythiazaalkane derivatives bearing 8-(7-hydroxy-4-methyl)coumarinyl moiety in aqueous solution and in liquid-liquid extraction systems. *Analyst.* 135: 550-558. <http://dx.doi.org/10.1039/b920625f>.
- Salanitro, J. (2012). Development of a High Performance Bioprocess for Eliminating 1,4-Dioxane in Water.
- Salanitro, J. (2014). Development of a High Performance Bioprocess for Eliminating 1,4-Dioxane in Water.
- Salanitro, J. (2015). Development of a High Performance Bioprocess for Eliminating 1,4-Dioxane in Water.
- Sala-Pérez, S; López-Ramírez, M; Quinteros-Borgarello, M; Valmaseda-Castellón, E; Gay-Escoda, C. (2016). Antibacterial suture vs silk for the surgical removal of impacted lower third molars. A randomized clinical study. *Med Oral Patol Oral Cir Bucal.* 21: e95-102.
- Salehi, M; Naseri-Nosar, M; Azami, M; Nodooshan, SJ; Arish, J. (2016). Comparative study of poly(L-lactic acid) scaffolds coated with chitosan nanoparticles prepared via ultrasonication and ionic gelation techniques. 13: 498-506. <http://dx.doi.org/10.1007/s13770-016-9083-4>.
- Sales, CM; Grostern, A; Parales, JV; Parales, RE; Alvarez-Cohen, L. (2013). Oxidation of the cyclic ethers 1,4-dioxane and tetrahydrofuran by a monooxygenase in two *Pseudonocardia* species. *Appl Environ Microbiol.* 79: 7702-7708. <http://dx.doi.org/10.1128/AEM.02418-13>.
- Sales, CM; Mahendra, S; Grostern, A; Parales, RE; Goodwin, LA; Woyke, T; Nolan, M; Lapidus, A; Chertkov, O; Ovchinnikova, G; Sczyrba, A; Alvarez-Cohen, L. (2011). Genome sequence of the 1,4-dioxane-degrading *Pseudonocardia dioxanivorans* strain CB1190. *J Bacteriol.* 193: 4549-4550. <http://dx.doi.org/10.1128/JB.00415-11>.
- Sammon, J; Kim, TK; Trinh, QD; Bhandari, A; Kaul, S; Sukumar, S; Rogers, CG; Peabody, JO. (2011). Anastomosis during robot-assisted radical prostatectomy: randomized controlled trial comparing barbed and standard monofilament suture. *Urology.* 78: 572-579. <http://dx.doi.org/10.1016/j.urology.2011.03.069>.
- Sampaio, GM; Teixeira, AM; Coutinho, HD; Sena Junior, DM; Freire, PT; Bento, RR; Silva, LE. (2014). Synthesis and antibacterial activity of a new derivative of the Meldrun acid: 2,2-dimethyl-5-(4H-1,2,4-triazol-4-ylaminomethylene)-1,3-dioxane-4,6-dione (C9H10N4O4). *EXCLI Journal.* 13: 1022-1028.
- Sánchez-Paniagua López, M; Tamimi, F; López-Cabarcos, E; López-Ruiz, B. (2009). Highly sensitive amperometric biosensor based on a biocompatible calcium phosphate cement. 24: 2574-2579. <http://dx.doi.org/10.1016/j.bios.2009.01.002>.
- Sanders, RE; Kearney, CM; Buckley, CT; Jenner, F; Brama, PA. (2015). Knot Security of 5 Metric (USP 2) Sutures: Influence of Knotting Technique, Suture Material, and Incubation Time for 14 and 28 Days in Phosphate Buffered Saline and Inflamed Equine Peritoneal Fluid. 44: 723-730. <http://dx.doi.org/10.1111/vsu.12333>.
- Sandhu, HS; Sapra, S; Gupta, M; Nepali, K; Gautam, R; Yadav, S; Kumar, R; Jachak, SM; Chugh, M; Gupta, MK; Suri, OP; Dhar, KL. (2010). Synthesis and biological evaluation of arylidene analogues of Meldrum's acid as a new class of antimalarial and antioxidant agents. *Bioorg Med Chem.* 18: 5626-5633. <http://dx.doi.org/10.1016/j.bmc.2010.06.033>.
- Sanson, C; Diou, O; Thévenot, J; Ibarboure, E; Soum, A; Brûlet, A; Miraux, S; Thiaudière, E; Tan, S; Brisson, A; Dupuis, V; Sandre, O; Lecommandoux, S. (2011). Doxorubicin loaded magnetic polymersomes: theranostic nanocarriers for MR imaging and magnetochemo-therapy. *ACS Nano.* 5: 1122-1140. <http://dx.doi.org/10.1021/nn102762f>.
- Sanson, C; Schatz, C; Le Meins, JF; Soum, A; Thévenot, J; Garanger, E; Lecommandoux, S. (2010). A simple method to achieve high doxorubicin loading in biodegradable polymersomes. *J Control Release.* 147: 428-435. <http://dx.doi.org/10.1016/j.jconrel.2010.07.123>.

Human Health Hazard Literature Search Results

Off Topic

- Santos, EA; Quintela, AL; Ferreira, EG; Sousa, TS; Pinto, F, d; Hajdu, E; Carvalho, MS; Salani, S; Rocha, DD; Wilke, DV; Torres, M; Jimenez, PC; Silveira, ER; La Clair, JJ; Pessoa, OD; Costa-Lotufo, LV. (2015). Cytotoxic Plakortides from the Brazilian Marine Sponge *Plakortis angulospiculatus*. *J Nat Prod*. 78: 996-1004. <http://dx.doi.org/10.1021/np5008944>.
- Saraiva, J; Lira, AA; Esperandim, VR; da Silva Ferreira, D; Ferraudo, AS; Bastos, JK; E Silva, ML; de Gaitani, CM; de Albuquerque, S; Marchetti, JM. (2010). (-)-Hinokinin-loaded poly(D,-lactide-co-glycolide) microparticles for Chagas disease. *Parasitol Res*. 106: 703-708. <http://dx.doi.org/10.1007/s00436-010-1725-1>.
- Saraji, M; Shirvani, N. (2017). Determination of residual 1,4-dioxane in surfactants and cleaning agents using headspace single-drop microextraction followed by gas chromatography-flame ionization detection. *Int J Cosmet Sci*. 39: 36-41. <http://dx.doi.org/10.1111/ics.12345>.
- Sarazin, Y; Liu, B; Roisnel, T; Maron, L; Carpentier, JF. (2011). Discrete, solvent-free alkaline-earth metal cations: metal...fluorine interactions and ROP catalytic activity. *J Am Chem Soc*. 133: 9069-9087. <http://dx.doi.org/10.1021/ja2024977>.
- Sasaki, T; Kikkawa, Y. (2013). Proposed mechanism of cerebral vasospasm: our hypothesis and current topics [Review]. *Acta Neurochir Suppl*. 115: 53-56. http://dx.doi.org/10.1007/978-3-7091-1192-5_12.
- Sasaki, T; Tanaka, K; Morino, D; Sakurai, K. (2011). Morphology and release kinetics of protein-loaded porous poly(l-lactic Acid) spheres prepared by freeze-drying technique. 2011: 490567. <http://dx.doi.org/10.5402/2011/490567>.
- Sato, K. (1989). Glutathione transferases as markers of preneoplasia and neoplasia. *Adv Cancer Res*. 52: 205-255.
- Satoh, H; Hansen, HS; Manabe, S; van Gunsteren, WF; Hünenberger, PH. (2010). Theoretical Investigation of Solvent Effects on Glycosylation Reactions: Stereoselectivity Controlled by Preferential Conformations of the Intermediate Oxacarbenium-Counterion Complex. *Journal of Chemical Theory and Computation*. 6: 1783-1797. <http://dx.doi.org/10.1021/ct1001347>.
- Sauer, R; El-Tayeb, A; Kaulich, M; Müller, CE. (2009). Synthesis of uracil nucleotide analogs with a modified, acyclic ribose moiety as P2Y2 receptor antagonists. *Bioorg Med Chem*. 17: 5071-5079. <http://dx.doi.org/10.1016/j.bmc.2009.05.062>.
- Saunders, JE; Sanders, C; Chen, H; Loock, HP. (2016). Refractive indices of common solvents and solutions at 1550 nm. *Appl Opt*. 55: 947-953. <http://dx.doi.org/10.1364/AO.55.000947>.
- Sautier, B; Lyons, SE; Webb, MR; Procter, DJ. (2012). Radical cyclization cascades of unsaturated Meldrum's acid derivatives. *Org Lett*. 14: 146-149. <http://dx.doi.org/10.1021/ol2029367>.
- Schaffran, T; Burghardt, A; Barnert, S; Peschka-Süss, R; Schubert, R; Winterhalter, M; Gabel, D. (2009). Pyridinium lipids with the dodecaborate cluster as polar headgroup: synthesis, characterization of the physical-chemical behavior, and toxicity in cell culture. *Bioconjug Chem*. 20: 2190-2198. <http://dx.doi.org/10.1021/bc900147w>.
- Schier, JG; Hunt, DR; Perala, A; Mcmartin, KE; Bartels, MJ; Lewis, LS; Mcgeehin, MA; Flanders, WD. (2013). Characterizing concentrations of diethylene glycol and suspected metabolites in human serum, urine, and cerebrospinal fluid samples from the Panama DEG mass poisoning. *Clin Toxicol*. 51: 923-929. <http://dx.doi.org/10.3109/15563650.2013.850504>.
- Schindler, D; Felsmann, M; Weber, E. (2010). Influence of 1,4-dioxane solvent inclusion on the crystal structure of 5,5'-diphenyl-2,2'-(p-phenylene)di-1,3-oxazole (POPOP). *Acta Crystallogr C*. 66: o361-o363. <http://dx.doi.org/10.1107/S0108270110022092>.
- Schmidtker-Schrezenmeier, G; Urban, M; Musyanovych, A; Mailänder, V; Rojewski, M; Fekete, N; Menard, C; Deak, E; Tarte, K; Rasche, V; Landfester, K; Schrezenmeier, H. (2011). Labeling of mesenchymal stromal cells with iron oxide-poly(L-lactide) nanoparticles for magnetic resonance imaging: uptake, persistence, effects on cellular function and magnetic resonance imaging properties. *Cytotherapy*. 13: 962-975. <http://dx.doi.org/10.3109/14653249.2011.571246>.
- Schroeder, RL; Tram, P; Liu, J; Foroozesh, M; Sridhar, J. (2016). Novel functionalized 5-(phenoxyethyl)-1,3-dioxane analogs exhibiting cytochrome P450 inhibition: a patent evaluation WO2015048311 (A1). *Expert Opin Ther Pat*. 26: 139-147. <http://dx.doi.org/10.1517/13543776.2016.1105217>.
- Schüller-Ravoo, S; Feijen, J; Grijpma, DW. (2011). Preparation of flexible and elastic poly(trimethylene carbonate) structures by stereolithography. *Macromol Biosci*. 11: 1662-1671. <http://dx.doi.org/10.1002/mabi.201100203>.
- Schüller-Ravoo, S; Feijen, J; Grijpma, DW. (2012). Flexible, elastic and tear-resistant networks prepared by photo-crosslinking poly(trimethylene carbonate) macromers. *Acta Biomater*. 8: 3576-3585. <http://dx.doi.org/10.1016/j.actbio.2012.06.004>.
- Schüller-Ravoo, S; Teixeira, SM; Feijen, J; Grijpma, DW; Poot, AA. (2013). Flexible and elastic scaffolds for cartilage tissue engineering prepared by stereolithography using poly(trimethylene carbonate)-based resins. *Macromol Biosci*. 13: 1711-1719. <http://dx.doi.org/10.1002/mabi.201300399>.
- Schüller-Ravoo, S; Zant, E; Feijen, J; Grijpma, DW. (2014). Preparation of a designed poly(trimethylene carbonate) microvascular network by stereolithography. 3: 2004-2011. <http://dx.doi.org/10.1002/adhm.201400363>.
- Schulz, S; Heimann, S; Kaiser, K; Prymak, O; Assenmacher, W; Brüggemann, JT; Mallick, B; Mudring, AV. (2013). Solution-based synthesis of GeTe octahedra at low temperature. *Inorg Chem*. 52: 14326-14333. <http://dx.doi.org/10.1021/ic402266j>.
- Schwalb, NK; Temps, F. (2009). A modified four-state model for the "dual fluorescence" of N(6),N(6)-dimethyladenine derived from femtosecond fluorescence spectroscopy. *J Phys Chem A*. 113: 13113-13123. <http://dx.doi.org/10.1021/jp9021773>.
- Scopinho, AA; Alves, FH; Resstel, LB; Correa, FM; Crestani, CC. (2012). Lateral septal area α 1- and α 2-adrenoceptors differently modulate baroreflex activity in unanaesthetized rats. *Exp Physiol*. 97: 1018-1029. <http://dx.doi.org/10.1113/expphysiol.2011.062315>.
- Scott, DJ; Fuchter, MJ; Ashley, AE. (2014). Nonmetal catalyzed hydrogenation of carbonyl compounds. *J Am Chem Soc*. 136: 15813-15816. <http://dx.doi.org/10.1021/ja5088979>.
- Scott, JD; Cobb, WS; Carbonell, AM; Traxler, B; Bour, ES. (2011). Reduction in anastomotic strictures using bioabsorbable circular staple line reinforcement in laparoscopic gastric bypass. 7: 637-642. <http://dx.doi.org/10.1016/j.soard.2011.01.002>.

Human Health Hazard Literature Search Results

Off Topic

- Scully, NM; Ashu-Arrah, BA; Nagle, AP; Omamogho, JO; O'Sullivan, GP; Friebolin, V; Dietrich, B; Albert, K; Glennon, JD. (2011). Silica hydride intermediate for octadecylsilica and phenyl bonded phase preparation via heterogeneous hydrosilylation in supercritical carbon dioxide. *J Chromatogr A*. 1218: 1974-1982. <http://dx.doi.org/10.1016/j.chroma.2010.11.046>.
- Secundo, F; Fialà, S; Fraaije, MW; de Gonzalo, G; Meli, M; Zambianchi, F; Ottolina, G. (2011). Effects of water miscible organic solvents on the activity and conformation of the Baeyer-Villiger monooxygenases from *Thermobifida fusca* and *Acinetobacter calcoaceticus*: a comparative study. *Biotechnol Bioeng*. 108: 491-499. <http://dx.doi.org/10.1002/bit.22963>.
- Sedlak, D; Doyle, F. (2011). Project 6: Oxidative Remediation of Recalcitrant Contaminants with Persulfate.
- Šegan, S; Terzić-Jovanović, N; Milojković-Opsenica, D; Trifković, J; Šolaja, B; Opsenica, D. (2014). Correlation study of retention data and antimalarial activity of 1,2,4,5-mixed tetraoxanes with their molecular structure descriptors and LSER parameters. *J Pharm Biomed Anal*. 97: 178-183. <http://dx.doi.org/10.1016/j.jpba.2014.04.029>.
- Sei, K; Kakinoki, T; Inoue, D; Soda, S; Fujita, M; Ike, M. (2010). Evaluation of the biodegradation potential of 1,4-dioxane in river, soil and activated sludge samples. *Biodegradation*. 21: 585-591. <http://dx.doi.org/10.1007/s10532-010-9326-3>.
- Sei, K; Miyagaki, K; Kakinoki, T; Fukugasako, K; Inoue, D; Ike, M. (2013). Isolation and characterization of bacterial strains that have high ability to degrade 1,4-dioxane as a sole carbon and energy source. *Biodegradation*. 24: 665-674. <http://dx.doi.org/10.1007/s10532-012-9614-1>.
- Seiler, C; Baumann, P; Kienle, P; Kuthe, A; Kuhlitz, J; Engemann, R; V Frankenberg, M; Knaebel, HP. (2010). A randomised, multi-centre, prospective, double blind pilot-study to evaluate safety and efficacy of the non-absorbable Optilene Mesh Elastic versus the partly absorbable Ultrapro Mesh for incisional hernia repair. *BMC Surg*. 10: 21. <http://dx.doi.org/10.1186/1471-2482-10-21>.
- Seixas de Melo, JS; Cabral, C; Lima, JC; Maçanita, AL. (2011). Characterization of the singlet and triplet excited states of 3-chloro-4-methylumbelliferone. *J Phys Chem A*. 115: 8392-8398. <http://dx.doi.org/10.1021/jp204354x>.
- Seixas de Melo, JS; Maçanita, AL. (2015). Unveiling the Eigen-Weller ion pair from the excited state proton transfer kinetics of 3-chloro-4-methyl-7-hydroxycoumarin. *J Phys Chem B*. 119: 2604-2610. <http://dx.doi.org/10.1021/jp508782h>.
- Sekar, R; Dichristina, TJ. (2014). Microbially driven Fenton reaction for degradation of the widespread environmental contaminant 1,4-dioxane. *Environ Sci Technol*. 48: 12858-12867. <http://dx.doi.org/10.1021/es503454a>.
- Sekar, R; Taillefert, M; Dichristina, TJ. (2016). Simultaneous Transformation of Commingled Trichloroethylene, Tetrachloroethylene, and 1,4-Dioxane by a Microbially Driven Fenton Reaction in Batch Liquid Cultures. *Appl Environ Microbiol*. 82: 6335-6343. <http://dx.doi.org/10.1128/AEM.02325-16>.
- Seleem, HS; El-Inany, GA; Mousa, M; Hanafy, FI. (2009). Spectroscopic studies on 2-[2-(4-methylquinolin-2-yl)hydrazono]-1,2-diphenylethanone molecule and its metal complexes. *Spectrochim Acta A Mol Biomol Spectrosc*. 74: 869-874. <http://dx.doi.org/10.1016/j.saa.2009.08.024>.
- Seleem, HS; El-Inany, GA; Mousa, M; Hanafy, FI. (2010). Spectroscopic and pH-metric studies of the complexation of 3-[2-(4-methylquinolin-2-yl)hydrazono]butan-2-one oxime compound. *Spectrochim Acta A Mol Biomol Spectrosc*. 75: 1446-1451. <http://dx.doi.org/10.1016/j.saa.2010.01.015>.
- Seleem, HS; Mostafa, M; Hanafy, FI. (2011). Stability of transition metal complexes involving three isomeric quinolyl hydrazones. *Spectrochim Acta A Mol Biomol Spectrosc*. 78: 1560-1566. <http://dx.doi.org/10.1016/j.saa.2011.01.050>.
- Sen, S; De, B; Easwari, TS. (2014). Synthesis and biological evaluation of some novel furan derivatives. *Pak J Pharm Sci*. 27: 1747-1760.
- Sen, TK; Mukherjee, A; Modak, A; Mandal, SK; Koley, D. (2013). Substitution effect on phenalenyl backbone in the rate of organozinc catalyzed ROP of cyclic esters. *Dalton Transactions (Online)*. 42: 1893-1904. <http://dx.doi.org/10.1039/c2dt32152a>.
- Seo, SY; Min, SK; Bae, HK; Roh, D; Kang, HK; Roh, S; Lee, S; Chun, GS; Chung, DJ; Min, BM. (2013). A laminin-2-derived peptide promotes early-stage peripheral nerve regeneration in a dual-component artificial nerve graft. *J Tissue Eng Regen Med*. 7: 788-800. <http://dx.doi.org/10.1002/term.1468>.
- Sergeeva, OA; Kletke, O; Kragler, A; Poppek, A; Fleischer, W; Schubring, SR; Görg, B; Haas, HL; Zhu, XR; Lübbert, H; Gisselmann, G; Hatt, H. (2010). Fragrant dioxane derivatives identify beta1-subunit-containing GABAA receptors. *J Biol Chem*. 285: 23985-23993. <http://dx.doi.org/10.1074/jbc.M110.103309>.
- Seth, D; Sarkar, S; Pramanik, R; Ghatak, C; Setua, P; Sarkar, N. (2009). Photophysical studies of a hemicyanine dye (LDS-698) in dioxane-water mixture, in different alcohols, and in a room temperature ionic liquid. *J Phys Chem B*. 113: 6826-6833. <http://dx.doi.org/10.1021/jp810045h>.
- Seth, K; Nautiyal, M; Purohit, P; Parikh, N; Chakraborti, AK. (2015). Palladium catalyzed Csp²-H activation for direct aryl hydroxylation: the unprecedented role of 1,4-dioxane as a source of hydroxyl radicals. *Chem Commun (Camb)*. 51: 191-194. <http://dx.doi.org/10.1039/c4cc06864e>.
- Shah, SU; Ashraf, N; Soomro, ZH; Shah, MR; Kabir, N; Simjee, SU. (2012). The anti-arthritic and anti-oxidative effect of NBD (6-nitro-1,3-benzodioxane) in adjuvant-induced arthritis (AIA) in rats. *Inflamm Res*. 61: 875-887. <http://dx.doi.org/10.1007/s00011-012-0480-4>.
- Shang, YJ; Qian, YP; Liu, XD; Dai, F; Shang, XL; Jia, WQ; Liu, Q; Fang, JG; Zhou, B. (2009). Radical-scavenging activity and mechanism of resveratrol-oriented analogues: influence of the solvent, radical, and substitution. *J Org Chem*. 74: 5025-5031. <http://dx.doi.org/10.1021/jo9007095>.
- Shapiro, L; Holste, JL; Muench, T; Dizerega, G. (2015). Rapid reperitonealization and wound healing in a preclinical model of abdominal trauma repair with a composite mesh. 22: 86-91. <http://dx.doi.org/10.1016/j.jisu.2015.06.071>.
- Sharifi, S; Blanquer, SB; van Kooten, TG; Grijpma, DW. (2012). Biodegradable nanocomposite hydrogel structures with enhanced mechanical properties prepared by photo-crosslinking solutions of poly(trimethylene carbonate)-poly(ethylene glycol)-poly(trimethylene carbonate) macromonomers and nanoclay particles. *Acta Biomater*. 8: 4233-4243. <http://dx.doi.org/10.1016/j.actbio.2012.09.014>.

Human Health Hazard Literature Search Results

Off Topic

- Sharifi, S; Grijpma, DW. (2012). Resilient amorphous networks prepared by photo-crosslinking high-molecular-weight D,L-lactide and trimethylene carbonate macromers: mechanical properties and shape-memory behavior. *Macromol Biosci.* 12: 1423-1435. <http://dx.doi.org/10.1002/mabi.201200155>.
- Sharma, D; Sahoo, S; Mishra, BK. (2014). Molecular modeling in dioxane methanol interaction. *J Mol Model.* 20: 2408. <http://dx.doi.org/10.1007/s00894-014-2408-0>.
- Sharma, GK; Madhava Rao, BS; O'Neill, P. (2009). Redox dependence of the reaction of alpha-alkoxyalkyl radicals with a series of oxidants. *J Phys Chem B.* 113: 2207-2211. <http://dx.doi.org/10.1021/jp807994b>.
- Sharma, ML; Sengupta, SK; Pandey, OP. (2012). Template synthesis, spectroscopic characterization and preliminary insulin-mimetic activity of oxovanadium(IV) complexes with N₂O₂ diazadiox macrocycles. *Spectrochim Acta A Mol Biomol Spectrosc.* 95: 562-568. <http://dx.doi.org/10.1016/j.saa.2012.04.050>.
- Sharma, R; Fatma, B; Saha, A; Bajpai, S; Sistla, S; Dash, PK; Parida, M; Kumar, P; Tomar, S. (2016). Inhibition of chikungunya virus by picolinate that targets viral capsid protein. *Virology.* 498: 265-276. <http://dx.doi.org/10.1016/j.virol.2016.08.029>.
- Sharshira, EM; Hamada, NM. (2011). Synthesis and in vitro antimicrobial activity of some pyrazolyl-1-carboxamide derivatives. *Molecules.* 16: 7736-7745. <http://dx.doi.org/10.3390/molecules16097736>.
- Shatkin-Margolis, A; Kow, N; Patonai, N; Boin, M; Muffly, TM. (2015). The Effect of an Air Knot on Surgical Knot Integrity. *Obstet Gynecol Surv.* 70: 498-500. <http://dx.doi.org/10.1097/01.ogx.0000469198.52608.53>.
- Shayman, JA. (2013). The design and clinical development of inhibitors of glycosphingolipid synthesis: will invention be the mother of necessity? [Review]. *Trans Am Clin Climatol Assoc.* 124: 46-60.
- Shelar, DP; Patil, SR; Rote, RV; Jachak, MN. (2012). A Fluorescence and Fluorescence Probe Study of Benzonaphthyrindines. *J Fluoresc.* 22: 17-29. <http://dx.doi.org/10.1007/s10895-011-0945-9>.
- Shelar, DP; Rote, RV; Patil, SR; Jachak, MN. (2012). Effects of homogeneous media, binary mixtures and microheterogeneous media on the fluorescence and fluorescence probe properties of some benzo[b][1,8]naphthyrindines with HSA and BSA. *Luminescence.* 27: 398-413. <http://dx.doi.org/10.1002/bio.1364>.
- Shen, J; Pan, JW; Fan, ZX; Xiong, XX; Zhan, RY. (2013). Dissociation of vasospasm-related morbidity and outcomes in patients with aneurysmal subarachnoid hemorrhage treated with clazosentan: a meta-analysis of randomized controlled trials [Review]. *J Neurosurg.* 119: 180-189. <http://dx.doi.org/10.3171/2013.3.JNS121436>.
- Shen, MY; Peng, YL; Hung, WC; Lin, CC. (2009). Preparation and characterization of bisphenolato magnesium derivatives: an efficient catalyst for the ring-opening polymerization of epsilon-caprolactone and L-lactide. *Dalton Transactions (Online)*9906-9913. <http://dx.doi.org/10.1039/b912443h>.
- Shen, W; Henry, AG; Paumier, KL; Li, L; Mou, K; Dunlop, J; Berger, Z; Hirst, WD. (2014). Inhibition of glucosylceramide synthase stimulates autophagy flux in neurons. *J Neurochem.* 129: 884-894. <http://dx.doi.org/10.1111/jnc.12672>.
- Shen, X; Su, F; Dong, J; Fan, Z; Duan, Y; Li, S. (2015). In vitro biocompatibility evaluation of bioresorbable copolymers prepared from L-lactide, 1,3-trimethylene carbonate, and glycolide for cardiovascular applications. *J Biomater Sci Polym Ed.* 26: 497-514. <http://dx.doi.org/10.1080/09205063.2015.1030992>.
- Shen, Z; Lu, D; Li, Q; Zhang, Z; Zhu, Y. (2015). Synthesis and characterization of biodegradable polyurethane for hypopharyngeal tissue engineering. *BioMed Res Int.* 2015: 871202. <http://dx.doi.org/10.1155/2015/871202>.
- Sheng, Y; Yan, N; Zhu, Y; Jiang, W. (2014). Online rheological investigation on ion-induced micelle transition for amphiphilic polystyrene-block-poly(acrylic acid) diblock copolymer in dilute solution. *Langmuir.* 30: 15392-15399. <http://dx.doi.org/10.1021/la503835u>.
- Shetty, P; Praveen, BM; Raghavendra, M; Manjunath, K; Cheruku, S. (2016). Synthesis and antimicrobial evaluation of novel 4-amino-6-(1,3,4-oxadiazolo[1,3,4-thiadiazolo)-pyrimidine derivatives. *Mol Divers.* 20: 391-398. <http://dx.doi.org/10.1007/s11030-015-9640-0>.
- Shi, H; Yang, F; Niu, Y; Wu, Y; Wang, H; Liu, Z; Liang, B, o. (2015). Fluorescent Pyrene Assisted Photodeprotection of 2-(2-nitrophenyl)Propyloxycarbonyl Groups on Self-Assembled Monolayers. *J Nanosci Nanotechnol.* 15: 2650-2656. <http://dx.doi.org/10.1166/jnn.2015.9227>.
- Shi, J; Yan, Y; Li, Q; Xu, HE; Yi, W. (2014). Rhodium(III)-catalyzed C2-selective carbenoid functionalization and subsequent C7-alkenylation of indoles. *Chem Commun (Camb).* 50: 6483-6486. <http://dx.doi.org/10.1039/c4cc01593b>.
- Shi, J; Zhang, Y; Zhang, B; Zhu, D. (2016). Crystal-to-crystal transformation from a chain compound to a layered coordination polymer. *Dalton Transactions (Online).* 45: 89-92. <http://dx.doi.org/10.1039/c5dt03985a>.
- Shi, J; Zhou, J; Yan, Y; Jia, J; Liu, X; Song, H; Xu, HE; Yi, W. (2015). One-pot cascade synthesis of N-methoxyisoquinolinediones via Rh(III)-catalyzed carbenoid insertion C-H activation/cyclization. *Chem Commun (Camb).* 51: 668-671. <http://dx.doi.org/10.1039/c4cc08407a>.
- Shilliday, FB; Walker, DP; Gu, C; Fang, X; Thornburgh, B; Fate, GD; Daniels, JS. (2010). Multiple species metabolism of PHA-568487, a selective alpha 7 nicotinic acetylcholine receptor agonist. *Drug Metab Lett.* 4: 162-172.
- Shin, D; Sung, DY; Moon, HS; Nam, K. (2010). Microbial succession in response to 1,4-dioxane exposure in activated sludge reactors: effect of inoculum source and extra carbon addition. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 45: 674-681. <http://dx.doi.org/10.1080/10934521003648859>.
- Shin, DA; Yang, BM; Tae, G; Kim, YH; Kim, HS; Kim, HI. (2014). Enhanced spinal fusion using a biodegradable porous mesh container in a rat posterolateral spinal fusion model. *Spine.* 14: 408-415. <http://dx.doi.org/10.1016/j.spinee.2013.08.038>.
- Shin, TJ; Park, SY; Kim, HJ; Lee, HJ; Youk, JH. (2010). Development of 3-D poly(trimethylenecarbonate-co-epsilon-caprolactone)-block-poly(p-dioxanone) scaffold for bone regeneration with high porosity using a wet electrospinning method. *Biotechnol Lett.* 32: 877-882. <http://dx.doi.org/10.1007/s10529-010-0235-7>.

Human Health Hazard Literature Search Results

Off Topic

- Shiraki, A; Kume, H; Oguma, T; Makino, Y; Ito, S; Shimokata, K; Honjo, H; Kamiya, K. (2009). Role of Ca²⁺ mobilization and Ca²⁺ sensitization in 8-iso-PGF₂α-induced contraction in airway smooth muscle. *Clin Exp Allergy*. 39: 236-245. <http://dx.doi.org/10.1111/j.1365-2222.2008.03164.x>.
- Shmal'ko, AV; Stogniy, MY; Kazakov, GS; Anufriev, SA; Sivaev, IB; Kovalenko, LV; Bregadze, VI. (2015). Cyanide free contraction of disclosed 1,4-dioxane ring as a route to cobalt bis(dicarbollide) derivatives with short spacer between the boron cage and terminal functional group. *Dalton Transactions (Online)*. 44: 9860-9871. <http://dx.doi.org/10.1039/c5dt01293g>.
- Shmueli, K; Dodd, SJ; Li, TQ; Duyn, JH. (2011). The contribution of chemical exchange to MRI frequency shifts in brain tissue. *Magn Reson Med*. 65: 35-43. <http://dx.doi.org/10.1002/mrm.22604>.
- Shmueli, K; Dodd, SJ; van Gelderen, P; Duyn, JH. (2016). Investigating lipids as a source of chemical exchange-induced MRI frequency shifts. *NMR Biomed*. <http://dx.doi.org/10.1002/nbm.3525>.
- Shoblock, JR; Welty, N; Aluisio, L; Fraser, I; Motley, ST; Morton, K; Palmer, J; Bonaventure, P; Carruthers, NI; Lovenberg, TW; Boggs, J; Galici, R. (2011). Selective blockade of the orexin-2 receptor attenuates ethanol self-administration, place preference, and reinstatement. *Psychopharmacology*. 215: 191-203. <http://dx.doi.org/10.1007/s00213-010-2127-x>.
- Shormanov, VK; Astashkina, AP; Ostanin, MA; Grischevko, OI; Tsatsua, EP. (2016). [The specific features of the distribution of 4-metoxhydroxybenzene in the organism of the warm-blooded animals suffering lethal intoxication]. *Sud Med Ekspert*. 59: 48-53.
- Shormanov, VK; Chigareva, EN; Belousova, OV. (2011). [Extraction of lambda-cyhalothrin from aqueous dioxan solutions]. *Sud Med Ekspert*. 54: 46-48.
- Shormanov, VK; Chigareva, EN; Maslov, SV; Pronichenko, EI; Goniev, SV. (2011). [The detection of beta-cypermethrin during forensic chemical expertise of biological materials]. *Sud Med Ekspert*. 54: 37-40.
- Shormanov, VK; Chigareva, EN; Vladimirenko, EN. (2012). [Chemical toxicological identification of esfenvalerate]. *Sud Med Ekspert*. 55: 37-41.
- Shormanov, VK; Gerasimov, DA; Omel'chenko, VA. (2014). [Peculiarities of isolation of 4-nitroanilin from the biological material]. *Sud Med Ekspert*. 57: 34-38.
- Shoukry, MM; Hassan, SS. (2013). Speciation studies of diorganotin(IV) complexes with 3,3-bis(1-methylimidazol-2-yl)propionate--displacement reaction by DNA constituents. *ScientificWorldJournal*. 2013: 106357. <http://dx.doi.org/10.1155/2013/106357>.
- Shuai, L; Amiri, MT; Questell-Santiago, YM; Héroguel, F; Li, Y; Kim, H; Meilan, R; Chapple, C; Ralph, J; Luterbacher, JS. (2016). Formaldehyde stabilization facilitates lignin monomer production during biomass depolymerization. *Science*. 354: 329-333. <http://dx.doi.org/10.1126/science.aaf7810>.
- Shuklov, IA; Dubrovina, NV; Schulze, J; Tietz, W; Kühlein, K; Börner, A. (2014). Propane-1,2-diols from dilactides, oligolactides, or poly-L-lactic acid (PLLA): from plastic waste to chiral bulk chemicals. *Chemistry*. 20: 957-960. <http://dx.doi.org/10.1002/chem.201302004>.
- Siddappa, K; Mayana, NS. (2014). Synthesis, Spectroscopic Characterization, and Biological Evaluation Studies of 5-Bromo-3-(((hydroxy-2-methylquinolin-7-yl)methylene)hydrazono)indolin-2-one and Its Metal (II) Complexes. *Bioinorganic Chemistry and Applications*. 2014: 483282. <http://dx.doi.org/10.1155/2014/483282>.
- Sieffert, N; Boisson, J; Py, S. (2015). Enantioselective Arylation of N-Tosylimines by Phenylboronic Acid Catalysed by a Rhodium/Diene Complex: Reaction Mechanism from Density Functional Theory. *Chemistry*. 21: 9753-9768. <http://dx.doi.org/10.1002/chem.201500587>.
- Sigel, A; Operschall, BP; Sigel, H. (2014). Comparison of the pi-stacking properties of purine versus pyrimidine residues. Some generalizations regarding selectivity [Review]. *J Biol Inorg Chem*. 19: 691-703. <http://dx.doi.org/10.1007/s00775-013-1082-5>.
- Siirola, E; Grischek, B; Clay, D; Frank, A; Grogan, G; Kroutil, W. (2011). Tolerance of β-diketone hydrolases as representatives of the crotonase superfamily towards organic solvents. *Biotechnol Bioeng*. 108: 2815-2822. <http://dx.doi.org/10.1002/bit.23275>.
- Silberstein, C; Lucero, MS; Zotta, E; Copeland, DP; Lingyun, L; Repetto, HA; Ibarra, C. (2011). A glucosylceramide synthase inhibitor protects rats against the cytotoxic effects of shiga toxin 2. *Pediatr Res*. 69: 390-394. <http://dx.doi.org/10.1203/PDR.0b013e318211dd57>.
- Silva, JR; Silva, ML; Prado, WA. (2011). Analgesia induced by 2- or 100-Hz electroacupuncture in the rat tail-flick test depends on the activation of different descending pain inhibitory mechanisms. *PLoS One*. 6: 1-6. <http://dx.doi.org/10.1016/j.jpain.2010.04.008>.
- Simmons, TR; Pickett, CJ; Wright, JA. (2011). The mixed diol-dithiol 2,2-bis(sulfanylmethyl)propane-1,3-diol: characterization of key intermediates on a new synthetic pathway. *Acta Crystallogr C*. 67: o1-o5. <http://dx.doi.org/10.1107/S0108270110049371>.
- Simonich, SM; Sun, P; Casteel, K; Dyer, S; Wernery, D; Garber, K; Carr, G; Federle, T. (2013). Probabilistic analysis of risks to US drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integr Environ Assess Manag*. 9: 554-559. <http://dx.doi.org/10.1002/ieam.1448>.
- Sinelshchikova, AA; Nefedov, SE; Enakieva, YY; Gorbunova, YG; Tsvadze, AY; Kadish, KM; Chen, P; Bessmertnykh-Lemeune, A; Stern, C; Guillard, R. (2013). Unusual formation of a stable 2D copper porphyrin network. *Inorg Chem*. 52: 999-1008. <http://dx.doi.org/10.1021/ic302257g>.
- Singh, MK; Akula, HK; Satishkumar, S; Stahl, L; Lakshman, MK. (2016). Ruthenium-Catalyzed C-H Bond Activation Approach to Azolyl Aminals and Hemiaminal Ethers, Mechanistic Evaluations, and Isomer Interconversion. *Chemistry - A European Journal*. 22: 1921-1928. <http://dx.doi.org/10.1002/anie.201602603>.
- Singh, P; Prakash, R; Shah, K. (2012). Effect of organic solvents on peroxidases from rice and horseradish: prospects for enzyme based applications. *Talanta*. 97: 204-210. <http://dx.doi.org/10.1016/j.talanta.2012.04.018>.
- Singhal, A; Choudhary, G; Thakur, IS. (2012). CHARACTERIZATION OF LACCASE ACTIVITY PRODUCED BY *Cryptococcus albidus*. *Prep Biochem Biotechnol*. 42: 113-124. <http://dx.doi.org/10.1080/10826068.2011.577882>.
- Singhana, B; Chen, A; Slattery, P; Yazdi, IK; Qiao, Y; Tasciotti, E; Wallace, M; Huang, S; Eggers, M; Melancon, MP. (2015). Infusion of iodine-based contrast agents into poly(p-dioxanone) as a radiopaque resorbable IVC filter. *J Mater Sci Mater Med*. 26: 124. <http://dx.doi.org/10.1007/s10856-015-5460-0>.

Human Health Hazard Literature Search Results

Off Topic

- Sinkeldam, RW; Hopkins, PA; Tor, Y. (2012). Modified 6-aza uridines: highly emissive pH-sensitive fluorescent nucleosides. *Chemphyschem*. 13: 3350-3356. <http://dx.doi.org/10.1002/cphc.201200375>.
- Skinner, K; Cuiffetti, L; Hyman, M. (2009). Metabolism and cometabolism of cyclic ethers by a filamentous fungus, a *Graphium* sp. *Appl Environ Microbiol*. 75: 5514-5522. <http://dx.doi.org/10.1128/AEM.00078-09>.
- Skirzewski, M; Hernandez, L; Schechter, LE; Rada, P. (2010). Acute lecozotan administration increases learning and memory in rats without affecting anxiety or behavioral depression. *Pharmacol Biochem Behav*. 95: 325-330. <http://dx.doi.org/10.1016/j.pbb.2010.02.008>.
- Slavova-Kazakova, A; Karamać, M; Kancheva, V; Amarowicz, R. (2015). Antioxidant Activity of Flaxseed Extracts in Lipid Systems. *Molecules*. 21: E17. <http://dx.doi.org/10.3390/molecules21010017>.
- Slepokura, K; Lis, T. (2010). Dihydroxyacetone phosphate, DHAP, in the crystalline state: monomeric and dimeric forms. *Carbohydr Res*. 345: 512-529. <http://dx.doi.org/10.1016/j.carres.2009.12.008>.
- Smietański, M; Bigda, J; Zaborowski, K; Worek, M; Sledziński, Z. (2009). Three-year follow-up of modified Lichtenstein inguinal hernioplasty using lightweight poliglecaprone/polypropylene mesh. *Hernia*. 13: 239-242. <http://dx.doi.org/10.1007/s10029-008-0465-y>.
- Smith, MT. (2012). Project 4: Meta-Omics of Microbial Communities Involved in Bioremediation.
- Smith, MT. (2012). Project 6: Oxidative Remediation of Recalcitrant Contaminants with Persulfate.
- Smith, MT. (2013). Project 4: Meta-Omics of Microbial Communities Involved in Bioremediation.
- Smith, MT. (2013). Project 6: Oxidative Remediation of Recalcitrant Contaminants with Persulfate.
- Smith, MT. (2014). Project 4: Meta-Omics of Microbial Communities Involved in Bioremediation.
- Smith, MT. (2014). Project 6: Oxidative Remediation of Recalcitrant Contaminants with Persulfate.
- Smith, MT. (2015). Project 4: Meta-Omics of Microbial Communities Involved in Bioremediation.
- Smith, MT. (2015). Project 6: Oxidative Remediation of Recalcitrant Contaminants with Persulfate. Smith, MT.
- So, MH; Han, JS; Han, TH; Seo, JW; Kim, CG. (2009). Decomposition of 1,4-dioxane by photo-Fenton oxidation coupled with activated sludge in a polyester manufacturing process. *Water Sci Technol*. 59: 1003-1009. <http://dx.doi.org/10.2166/wst.2009.056>.
- Sobanska, AW; Wójcicka, K; Brzezinska, E. (2014). Evaluation of the lipophilicity of selected sunscreens--a chemometric analysis of thin-layer chromatographic retention data. *J Sep Sci*. 37: 3074-3081. <http://dx.doi.org/10.1002/jssc.201400535>.
- Sobczak, M; Korzeniowska, A; Goś, P; Kolodziejcki, WL. (2011). Preparation and characterization of polyester- and poly(ester-carbonate)-paclitaxel conjugates. *Eur J Med Chem*. 46: 3047-3051. <http://dx.doi.org/10.1016/j.ejmech.2011.04.046>.
- Sompalle, R; Roopan, SM; Al-Dhabi, NA; Suthindhiran, K; Sarkar, G; Arasu, MV. (2016). 1,2,4-Triazolo-quinazoline-thiones: Non-conventional synthetic approach, study of solvatochromism and antioxidant assessment. *J Photochem Photobiol B*. 162: 232-239. <http://dx.doi.org/10.1016/j.jphotobiol.2016.06.051>.
- Son, YA; Lee, J; Kim, H; Yu, H; Kim, SH; Jun, K; Lee, DH. (2013). Design, synthesis and characteristics on novel D-pi-A dye chromophore: fluorochromism effects. *J Nanosci Nanotechnol*. 13: 1484-1487. <http://dx.doi.org/10.1166/jnn.2013.6108>.
- Song, F; Shi, WT; Dong, XT; Han, X; Wang, XL; Chen, SC; Wang, YZ. (2014). Fennel-like nanoaggregates based on polysaccharide derivatives and their application in drug delivery. *Colloids Surf B Biointerfaces*. 113: 501-504. <http://dx.doi.org/10.1016/j.colsurfb.2013.09.027>.
- Song, JZ; Cheung, LM; Liu, X; Qiao, CF; Zhou, Y; Li, SL; Chen, SL; Xu, HX. (2010). Development and validation of an ultra high-performance liquid chromatographic method for the determination of a diastereomeric impurity in (+)-pinoresinol diglucoside chemical reference substance. *J Sep Sci*. 33: 1909-1915. <http://dx.doi.org/10.1002/jssc.201000053>.
- Song, JZ; Han, QB; Qiao, CF; But, PP; Xu, HX. (2010). Development and validation of a rapid capillary zone electrophoresis method for the determination of aconite alkaloids in aconite roots. 21: 137-143. <http://dx.doi.org/10.1002/pca.1168>.
- Song, L; Dykstra, AB; Yao, H; Bartmess, JE. (2009). Ionization mechanism of negative ion-direct analysis in real time: a comparative study with negative ion-atmospheric pressure photoionization. *J Am Soc Mass Spectrom*. 20: 42-50. <http://dx.doi.org/10.1016/j.jasms.2008.09.016>.
- Song, S; Ma, H; Yang, Y. (2013). Magnesium complexes supported by salen-like ligands: Synthesis, characterization and their application in the ring-opening polymerization of rac-lactide. *Dalton Transactions (Online)*. 42: 14200-14211. <http://dx.doi.org/10.1039/c3dt51344k>.
- Song, X; Yang, Y; Zhao, J; Chen, Y. (2014). Synthesis and antibacterial activity of cinnamaldehyde acylhydrazone with a 1,4-benzodioxan fragment as a novel class of potent β -ketoacyl-acyl carrier protein synthase III (FabH) inhibitor. *Chem Pharm Bull (Tokyo)*. 62: 1110-1118.
- Song, Y; Kamphuis, MM; Zhang, Z; Sterk, LM; Vermes, I; Poot, AA; Feijen, J; Grijpma, DW. (2010). Flexible and elastic porous poly(trimethylene carbonate) structures for use in vascular tissue engineering. *Acta Biomater*. 6: 1269-1277. <http://dx.doi.org/10.1016/j.actbio.2009.10.002>.
- Song, Y; Wennink, JW; Kamphuis, MM; Vermes, I; Poot, AA; Feijen, J; Grijpma, DW. (2010). Effective seeding of smooth muscle cells into tubular poly(trimethylene carbonate) scaffolds for vascular tissue engineering. *J Biomed Mater Res A*. 95: 440-446. <http://dx.doi.org/10.1002/jbm.a.32859>.
- Song, Y; Wennink, JW; Poot, AA; Vermes, I; Feijen, J; Grijpma, DW. (2011). Evaluation of tubular poly(trimethylene carbonate) tissue engineering scaffolds in a circulating pulsatile flow system. *Int J Artif Organs*. 34: 161-171. <http://dx.doi.org/10.5301/IJAO.2011.6396>.
- Soto, M; Espinoza, L; Chávez, MI; Díaz, K; Olea, AF; Taborga, L. (2016). Synthesis of New Hydrated Geranylphenols and in Vitro Antifungal Activity against *Botrytis cinerea*. *International Journal of Molecular Sciences*. 17. <http://dx.doi.org/10.3390/ijms17060840>.
- Sousa, CE; Ribeiro, AM; Gil Fortes, A; Cerqueira, NM; Alves, MJ. (2017). Total Facial Discrimination of 1,3-Dipolar Cycloadditions in a d-Erythrose 1,3-Dioxane Template: Computational Studies of a Concerted Mechanism. *J Org Chem*. 82: 982-991. <http://dx.doi.org/10.1021/acs.joc.6b02518>.

Human Health Hazard Literature Search Results

Off Topic

- Spencer, J; Chowdhry, BZ; Hamid, S; Mendham, AP; Male, L; Coles, SJ; Hursthouse, MB. (2010). Seven 3-methylidene-1H-indol-2(3H)-ones related to the multiple-receptor tyrosine kinase inhibitor sunitinib. *Acta Crystallogr C*. 66: o71-o78. <http://dx.doi.org/10.1107/S0108270109054134>.
- Spicer, CW; Gordon, SM; Holdren, MW; Kelly, TJ; Mukund, R. (2002). Hazardous air pollutant handbook: Measurements, properties, and fate in ambient air. Boca Raton, FL: CRC Press. <http://www.crcnetbase.com/doi/book/10.1201/9781420032352>.
- Spiegelhalter, D; Thomas, A; Best, N; Lunn, D. (2003). WinBugs version 1.4 user manual. Cambridge, UK: MRC Biostatistics Unit. <http://www.mrc-bsu.cam.ac.uk/bugs/winbugs/manual14.pdf>.
- Squina, FM; Prade, RA; Wang, H; Murakami, MT. (2009). Expression, purification, crystallization and preliminary crystallographic analysis of an endo-1,5-alpha-L-arabinanase from hyperthermophilic *Thermotoga petrophila*. *Acta Crystallogr Sect F Struct Biol Cryst Commun*. 65: 902-905. <http://dx.doi.org/10.1107/S1744309109029844>.
- Srinivas, G; Prabhakar, G; Unny, VK; Sudhakar, K; Mukkanti, K; Choudary, BM. (2013). A novel no-carrier-added submicromolar scale radiosynthesis of [S-methyl-14C]-florfenicol. *J Labelled Comp Radiopharm*. 56: 382-384. <http://dx.doi.org/10.1002/jlcr.3053>.
- Stamos, MJ; Snyder, M; Robb, BW; Ky, A; Singer, M; Stewart, DB; Sonoda, T; Abcarian, H. (2015). Prospective multicenter study of a synthetic bioabsorbable anal fistula plug to treat cryptoglandular transsphincteric anal fistulas. *Dis Colon Rectum*. 58: 344-351. <http://dx.doi.org/10.1097/DCR.000000000000288>.
- Starek, M; Komsta, t; Krzek, J. (2013). Reversed-phase thin-layer chromatography technique for the comparison of the lipophilicity of selected non-steroidal anti-inflammatory drugs. *J Pharm Biomed Anal*. 85: 132-137. <http://dx.doi.org/10.1016/j.jpba.2013.07.017>.
- Stepankova, V; Damborsky, J; Chaloupkova, R. (2013). Organic co-solvents affect activity, stability and enantioselectivity of haloalkane dehalogenases. *Biotechnol J*. 8: 719-729. <http://dx.doi.org/10.1002/biot.201200378>.
- Stepien, DK; Diehl, P; Helm, J; Thoms, A; Püttmann, W. (2014). Fate of 1,4-dioxane in the aquatic environment: from sewage to drinking water. *Water Res*. 48: 406-419. <http://dx.doi.org/10.1016/j.watres.2013.09.057>.
- Stepien, DK; Regnery, J; Merz, C; Püttmann, W. (2013). Behavior of organophosphates and hydrophilic ethers during bank filtration and their potential application as organic tracers. A field study from the Oderbruch, Germany. *Sci Total Environ*. 458-460: 150-159. <http://dx.doi.org/10.1016/j.scitotenv.2013.04.020>.
- St-John, WM; Li, A; Leiter, JC. (2009). Genesis of gasping is independent of levels of serotonin in the Pet-1 knockout mouse. *J Appl Physiol*. 107: 679-685. <http://dx.doi.org/10.1152/jappphysiol.91461.2008>.
- Stolarow, J; Heinzlmann, M; Yeremchuk, W; Sylatk, C; Hausmann, R. (2015). Immobilization of trypsin in organic and aqueous media for enzymatic peptide synthesis and hydrolysis reactions. *BMC Biotechnol*. 15: 77. <http://dx.doi.org/10.1186/s12896-015-0196-y>.
- Stringle, DL; Magri, DC; Workentin, MS. (2010). Efficient homogeneous radical-anion chain reactions initiated by dissociative electron transfer to 3,3,6,6-tetraaryl-1,2-dioxanes. *Chemistry*. 16: 178-188. <http://dx.doi.org/10.1002/chem.200902023>.
- Strittmatter, F; Walther, S; Gratzke, C; Göttinger, J; Beckmann, C; Roosen, A; Schlenker, B; Hedlund, P; Andersson, KE; Stief, CG; Hennenberg, M. (2012). Inhibition of adrenergic human prostate smooth muscle contraction by the inhibitors of c-Jun N-terminal kinase, SP600125 and BI-78D3. *Br J Pharmacol*. 166: 1926-1935. <http://dx.doi.org/10.1111/j.1476-5381.2012.01919.x>.
- Stroebel, P; Mayer, F; Zerban, H; Bannasch, P. (1995). Spongiotic pericytoma: A benign neoplasm deriving from the perisinusoidal (Ito) cells in rat liver. *Am J Pathol*. 146: 903-913.
- Su, TR; Liang, KJ; Chiang, MY; Lu, MC; Wue, YJ; Su, JH. (2013). 5alpha,8alpha-epidioxysterols from a Formosan sponge, *Axinyssa* sp. *Natural Product Communications*. 8: 1535-1536.
- Suárez-Grau, JM; Morales-Conde, S; González Galán, V; Martín Cartes, JA; Docobo Durantez, F; Padillo Ruiz, FJ. (2015). Antibiotic embedded absorbable prosthesis for prevention of surgical mesh infection: experimental study in rats. *Hernia*. 19: 187-194. <http://dx.doi.org/10.1007/s10029-014-1334-5>.
- Suárez-Grau, JM; Morales-Conde, S; Martín-Cartes, JA; Chaves, CR; Jiménez, MB; Ramírez, FP; Docobo-Durántez, F; Méndez, SM. (2009). [Mesh fixation with sutures versus fibrin sealant in hernioplasty with re-absorbable prosthesis (polyglycolic acid and trimethylene carbonate). Experimental study in animals]. *Cir Esp*. 86: 242-248. <http://dx.doi.org/10.1016/j.ciresp.2009.05.004>.
- Suman, GR; Bubbly, SG; Gudennavar, SB; Thipperudrappa, J; Roopashree, B; Gayathri, V; Nanje Gowda, NM. (2014). Effect of solvents on photophysical properties and quenching of 2-[[3-(1H-benzimidazole-2-yl) phenyl] carbonimidoyl]phenol. *Luminescence*. 30: 611-618. <http://dx.doi.org/10.1002/bio.2794>.
- Sun, B; Ko, K; Ramsay, JA. (2011). Biodegradation of 1,4-dioxane by a Flavobacterium. *Biodegradation*. 22: 651-659. <http://dx.doi.org/10.1007/s10532-010-9438-9>.
- Sun, H; Ritch, JS; Hayes, PG. (2011). Toward stereoselective lactide polymerization catalysts: cationic zinc complexes supported by a chiral phosphinimine scaffold. *Inorg Chem*. 50: 8063-8072. <http://dx.doi.org/10.1021/ic201139b>.
- Sun, H; Ritch, JS; Hayes, PG. (2012). Ring-opening polymerisation of rac-lactide mediated by cationic zinc complexes featuring P-stereogenic bisphosphinimine ligands. *Dalton Transactions (Online)*. 41: 3701-3713. <http://dx.doi.org/10.1039/c2dt11954d>.
- Sun, J; Li, MH; Qian, SS; Guo, FJ; Dang, XF; Wang, XM; Xue, YR; Zhu, HL. (2013). Synthesis and antitumor activity of 1,3,4-oxadiazole possessing 1,4-benzodioxan moiety as a novel class of potent methionine aminopeptidase type II inhibitors. *Chem Commun*. 23: 2876-2879. <http://dx.doi.org/10.1016/j.bmcl.2013.03.068>.
- Sun, J; Yang, YS; Li, W; Zhang, YB; Wang, XL; Tang, JF; Zhu, HL. (2011). Synthesis, biological evaluation and molecular docking studies of 1,3,4-thiadiazole derivatives containing 1,4-benzodioxan as potential antitumor agents. *Chem Commun*. 21: 6116-6121. <http://dx.doi.org/10.1016/j.bmcl.2011.08.039>.

Human Health Hazard Literature Search Results

Off Topic

- Sun, M; Lopez-Velandia, C; Knappe, DR. (2016). Determination of 1,4-Dioxane in the Cape Fear River Watershed by Heated Purge-and-Trap Preconcentration and Gas Chromatography-Mass Spectrometry. *Environ Sci Technol*. 50: 2246-2254. <http://dx.doi.org/10.1021/acs.est.5b05875>.
- Sun, S; Nie, K; Tan, Y; Zhao, B; Zhang, Y; Shen, Q; Yao, Y. (2013). Bimetallic lanthanide amido complexes as highly active initiators for the ring-opening polymerization of lactides. *Dalton Transactions (Online)*. 42: 2870-2878. <http://dx.doi.org/10.1039/c2dt31597a>.
- Sun, SM; Zhang, S; Liu, K; Wang, YP; Zhang, B. (2015). The geometry relaxation and intersystem crossing of quaterthiophene studied by femtosecond spectroscopy. *Photochem Photobiol Sci*. 14: 853-858. <http://dx.doi.org/10.1039/c4pp00439f>.
- Sun, XF; Fowler, P; Rajaratnam, M; Zhang, G. (2010). Extraction and characterisation of hemicelluloses from maize stem. 21: 406-415. <http://dx.doi.org/10.1002/pca.1211>.
- Sun, Y; Cui, Y; Xiong, J; Dai, Z; Tang, N; Wu, J. (2015). Different mechanisms at different temperatures for the ring-opening polymerization of lactide catalyzed by binuclear magnesium and zinc alkoxides. *Dalton Transactions (Online)*. 44: 16383-16391. <http://dx.doi.org/10.1039/c5dt01784j>.
- Surprenant, KS. (2002). *Ullmann's Encyclopedia of Industrial Chemistry* Dioxane (6th ed.). Weinheim, Germany: Wiley-VCH Verlag. http://dx.doi.org/10.1002/14356007.a08_545.
- Suzuki, H; Moritani, T; Morinaga, T; Seto, Y; Sato, H; Onoue, S. (2017). Amorphous solid dispersion of cyclosporine A prepared with fine droplet drying process: Physicochemical and pharmacokinetic characterization. *Int J Pharm*. 519: 213-219. <http://dx.doi.org/10.1016/j.ijpharm.2017.01.018>.
- Swain, J; Mishra, AK. (2016). Nile red fluorescence for quantitative monitoring of micropolarity and microviscosity of pluronic F127 in aqueous media. *Photochem Photobiol Sci*. 15: 1400-1407. <http://dx.doi.org/10.1039/c6pp00123h>.
- Swiatek, M; Kufelnicki, A. (2012). Metal-ligand interaction of lanthanides with coumarin derivatives. Part I. Complexation of 3-(1-aminoethylidene)-2H-chromene-2,4(3H)-dione with La(III), Ce(III), Nd(III) and Ho(III). *Acta Pol Pharm*. 69: 1001-1007.
- Sychev, SV; Ivanov, VT. (2014). Large scale conformational transitions in β -structural motif of gramicidin A: kinetic analysis based on CD and FT-IR data. 20: 657-667. <http://dx.doi.org/10.1002/psc.2643>.
- Symeonidis, D; Efthimiou, M; Koukoulis, G; Athanasiou, E; Mamaloudis, I; Tzovaras, G. (2013). Open inguinal hernia repair with the use of polyglycolic acid/trimethylene carbonate absorbable mesh: a critical update of the long-term results. *Hernia*. 17: 85-87. <http://dx.doi.org/10.1007/s10029-012-1016-0>.
- Symeonidis, D; Efthimiou, M; Koukoulis, G; Mamaloudis, I; Ioannou, M; Tzovaras, G. (2013). Open inguinal hernia repair with the use of polyglycolic acid/trimethylene carbonate mesh: gross and pathologic assessment of the inguinal area at reoperation for recurrence. *Hernia*. 17: 791-794. <http://dx.doi.org/10.1007/s10029-013-1079-6>.
- Symeonidis, T; Chamilos, M; Hadjipavlou-Litina, DJ; Kallitsakis, M; Litinas, KE. (2009). Synthesis of hydroxycoumarins and hydroxybenzo[f]- or [h]coumarins as lipid peroxidation inhibitors. 19: 1139-1142. <http://dx.doi.org/10.1016/j.bmcl.2008.12.098>.
- Szemik-Hojniak, A; Deperasińska, I; Oberda, K; Erez, Y; Huppert, D; Nizhnik, YP. (2013). Ultrafast excited state dynamics of trans-[4-(4'-dimethylaminostyryl)] pyridine N-oxide in solution: femtosecond fluorescence up-conversion and theoretical calculations. *Phys Chem Chem Phys*. 15: 9914-9923. <http://dx.doi.org/10.1039/c3cp50527h>.
- Szemik-Hojniak, A; Wiśniewski, Ł; Deperasińska, I; Makarewicz, A; Jerzykiewicz, L; Puszek, A; Erez, Y; Huppert, D. (2012). The impact of solvent polarity on intramolecular proton and electron transfer in 2-alkylamino-4-nitro-5-methyl pyridine N-oxides. *Phys Chem Chem Phys*. 14: 8147-8159. <http://dx.doi.org/10.1039/c2cp40591a>.
- Szostak, M; Lyons, SE; Spain, M; Procter, DJ. (2014). Mechanistic investigation of the selective reduction of Meldrum's acids to β -hydroxy acids using SmI₂ and H₂O. *Chem Commun (Camb)*. 50: 8391-8394. <http://dx.doi.org/10.1039/c4cc03216k>.
- Sztanke, M; Tuzimski, T; Janicka, M; Sztanke, K. (2015). Structure-retention behaviour of biologically active fused 1,2,4-triazinones--correlation with in silico molecular properties. *Eur J Pharm Sci*. 68: 114-126. <http://dx.doi.org/10.1016/j.ejps.2014.12.011>.
- T. J, D. (2014). Proof-of-Concept Study: Novel Microbially-Driven Fenton Reaction for In Situ Remediation of Groundwater Contaminated with 1,4-Dioxane, Tetrachloroethene (PCE) and Trichloroethene (TCE). Project ER-2305.
- Tabthong, S; Nanok, T; Kongsaree, P; Prabpai, S; Hormnirun, P. (2014). Monomethylaluminum and dimethylaluminum pyrrolylaldiminates for the ring-opening polymerization of rac-lactide: effects of ligand structure and coordination geometry. *Dalton Transactions (Online)*. 43: 1348-1359. <http://dx.doi.org/10.1039/c3dt52455h>.
- Tabushi, F; Nomura, LM; Malafaia, O; Ribas-Filho, JM; Polonio, B; Repka, JC; Ioshii, S; Costa-Filho, OA. (2012). Cecorraphy in single layer using polypropylene and poliglecaprone 25 threads: comparative study in rats. *Acta Cir Bras*. 27: 251-255.
- Tagliatalata-Scafati, O; Fattorusso, E; Romano, A; Scala, F; Barone, V; Cimino, P; Stendardo, E; Catalanotti, B; Persico, M; Fattorusso, C. (2010). Insight into the mechanism of action of plakortins, simple 1,2-dioxane antimalarials. *Org Biomol Chem*. 8: 846-856. <http://dx.doi.org/10.1039/b918600j>.
- Taha, M; Khoiroh, I; Lee, MJ. (2013). Phase Behavior and Molecular Dynamics Simulation Studies of New Aqueous Two-Phase Separation Systems Induced by HEPES Buffer. *J Phys Chem B*. 117: 563-582. <http://dx.doi.org/10.1021/jp305516g>.
- Taha, M; Lee, MJ. (2013). TES buffer-induced phase separation of aqueous solutions of several water-miscible organic solvents at 298.15 K: phase diagrams and molecular dynamic simulations. *J Chem Phys*. 138: 244501. <http://dx.doi.org/10.1063/1.4809995>.
- Tahara, M; Obama, T; Ikarashi, Y. (2013). Development of analytical method for determination of 1,4-dioxane in cleansing products. *Int J Cosmet Sci*. 35: 575-580. <http://dx.doi.org/10.1111/ics.12079>.
- Tai, A; Iwaoka, Y; Mori, T; Ito, H. (2010). Protease-catalyzed monoacylation of 2-O- α -D-glucopyranosyl-L-ascorbic acid in three solvent systems. *Biosci Biotechnol Biochem*. 74: 1969-1971. <http://dx.doi.org/10.1271/bbb.100362>.

Human Health Hazard Literature Search Results

Off Topic

- Taylor, SM; Patel, UH. (2015). Hirshfeld surface analysis of sulfamer (polymorph III), sulfamer dioxane monosolvate and sulfamer tetrahydrofuran monosolvate, all at 296 K. 71: 944-953. <http://dx.doi.org/10.1107/S2053229615017520>.
- Tajima, T; Hayashida, N; Matsumura, R; Omura, A; Nakashimada, Y; Kato, J. (2012). Isolation and characterization of tetrahydrofuran-degrading *Rhodococcus aetherivorans* strain M8. *Process Biochemistry*. 47: 1665-1669. <http://dx.doi.org/10.1016/j.procbio.2011.08.009>.
- Tajirian, AL; Goldberg, DJ. (2010). A review of sutures and other skin closure materials [Review]. *Journal of Cosmetic and Laser Therapy (Online)*. 12: 296-302. <http://dx.doi.org/10.3109/14764172.2010.538413>.
- Takeda, T; Miyajima, A; Kaneko, G; Hasegawa, M; Kikuchi, E; Oya, M. (2014). Unidirectional barbed suture for vesicourethral anastomosis during laparoscopic radical prostatectomy. *Asian Journal of Endoscopic Surgery*. 7: 241-245. <http://dx.doi.org/10.1111/ases.12115>.
- Takiar, V; Caplan, MJ. (2010). Telling kidneys to cease and decyst [Comment]. *Nat Med*. 16: 751-752. <http://dx.doi.org/10.1038/nm0710-751>.
- Takwa, M; Larsen, MW; Hult, K; Martinelle, M. (2011). Rational redesign of *Candida antarctica* lipase B for the ring opening polymerization of D,L-lactide. *Chem Commun (Camb)*. 47: 7392-7394. <http://dx.doi.org/10.1039/c1cc10865d>.
- Tam, AK; Ilodigwe, D; Li, Z; Schweizer, TA; Macdonald, RL. (2013). Global cerebral atrophy after subarachnoid hemorrhage: a possible marker of acute brain injury and assessment of its impact on outcome. *Acta Neurochir Suppl*. 115: 17-21. http://dx.doi.org/10.1007/978-3-7091-1192-5_5.
- Tam, AK; Ilodigwe, D; Mocco, J; Mayer, S; Kassell, N; Ruefenacht, D; Schmiedek, P; Weidauer, S; Pasqualin, A; Macdonald, RL. (2010). Impact of systemic inflammatory response syndrome on vasospasm, cerebral infarction, and outcome after subarachnoid hemorrhage: exploratory analysis of CONSCIOUS-1 database. *Neurocrit Care*. 13: 182-189. <http://dx.doi.org/10.1007/s12028-010-9402-x>.
- Tam, AK; Kapadia, A; Ilodigwe, D; Li, Z; Schweizer, TA; Macdonald, RL. (2013). Impact of global cerebral atrophy on clinical outcome after subarachnoid hemorrhage. *J Neurosurg*. 119: 198-206. <http://dx.doi.org/10.3171/2013.3.JNS121950>.
- Tamburella, A; Micale, V; Navarra, A; Drago, F. (2009). Antidepressant properties of the 5-HT₄ receptor partial agonist, SL65.0155: behavioral and neurochemical studies in rats. 33: 1205-1210. <http://dx.doi.org/10.1016/j.pnpbp.2009.07.001>.
- Tamura, Y; Hisamatsu, Y; Kumar, S; Itoh, T; Sato, K; Kuroda, R; Aoki, S. (2017). Efficient Synthesis of Tris-Heteroleptic Iridium(III) Complexes Based on the Zn(2+)-Promoted Degradation of Tris-Cyclometalated Iridium(III) Complexes and Their Photophysical Properties. *Inorg Chem*. 56: 812-833. <http://dx.doi.org/10.1021/acs.inorgchem.6b02270>.
- Tanabe, A; Kawata, K. (2009). Impact of N,N-dimethylformamide from domestic effluents on river waters. *Bull Environ Contam Toxicol*. 83: 841-845. <http://dx.doi.org/10.1007/s00128-009-9857-7>.
- Tang, DL; Song, F; Chen, C; Wang, XL; Wang, YZ. (2013). A pH-responsive chitosan-b-poly(p-dioxanone) nanocarrier: formation and efficient antitumor drug delivery. *Nanotechnology*. 24: 145101. <http://dx.doi.org/10.1088/0957-4484/24/14/145101>.
- Tang, S; Zhao, J; Xu, S; Li, J; Teng, Y; Quan, D; Guo, X. (2012). Bone induction through controlled release of novel BMP-2-related peptide from PTMC₁₁-F127-PTMC₁₁ hydrogels. 7: 015008. <http://dx.doi.org/10.1088/1748-6041/7/1/015008>.
- Tang, YB; Huang, LJ; Li, DZ; Zhang, QJ; Chen, RY; Yu, DQ. (2009). The synthesis of analogs of shuangkangsu, a novel natural cycloperoxide glucoside from *Lonicera japonica* Thunb. *J Asian Nat Prod Res*. 11: 172-176. <http://dx.doi.org/10.1080/10286020802618985>.
- Tanodekaew, S; Channasanon, S; Uppanan, P. (2014). Preparation and degradation study of photocurable oligolactide-HA composite: a potential resin for stereolithography application. *J Biomed Mater Res B Appl Biomater*. 102: 604-611. <http://dx.doi.org/10.1002/jbm.b.33040>.
- Tavares, AA; Caillé, F; Barret, O; Papin, C; Lee, H; Morley, TJ; Fowles, K; Holden, D; Seibyl, JP; Alagille, D; Tamagnan, GD. (2014). In vivo evaluation of 18F-MNI698: an 18F-labeled radiotracer for imaging of serotonin 4 receptors in brain. *J Nucl Med*. 55: 858-864. <http://dx.doi.org/10.2967/jnumed.113.132712>.
- Tavares, AA; Caillé, F; Barret, O; Papin, C; Lee, H; Morley, TJ; Fowles, K; Holden, D; Seibyl, JP; Alagille, D; Tamagnan, GD. (2014). Whole-body biodistribution and dosimetry estimates of a novel radiotracer for imaging of serotonin 4 receptors in brain: [¹⁸F]MNI-698. *Nucl Med Biol*. 41: 432-439. <http://dx.doi.org/10.1016/j.nucmedbio.2014.02.005>.
- Tayama, J; Iimori, T; Ohta, N. (2009). Comparative study of electroabsorption spectra of polar and nonpolar organic molecules in solution and in a polymer film. *J Chem Phys*. 131: 244509. <http://dx.doi.org/10.1063/1.3273875>.
- Taylor, H; Grogono, AW. (2014). The constrictor knot is the best ligature. *Ann R Coll Surg Engl*. 96: 101-105. <http://dx.doi.org/10.1308/003588414X13814021677638>.
- Teamkao, P; Thiravetyan, P. (2010). Phytoremediation of ethylene glycol and its derivatives by the burhead plant (*Echinodorus cordifolius* (L.)): effect of molecular size. *Chemosphere*. 81: 1069-1074. <http://dx.doi.org/10.1016/j.chemosphere.2010.09.049>.
- Teamkao, P; Thiravetyan, P. (2015). Phytoremediation of Mono-, Di-, and Triethylene Glycol by *Echinodorus cordifolius* L. Griseb. *Int J Phytoremediation*. 17: 93-100. <http://dx.doi.org/10.1080/15226514.2013.810579>.
- Teimouri, MB; Akbari-Moghaddam, P; Golbaghi, G. (2011). Pseudo-five-component reaction between 3-formylchromones, meldrum's acid, isocyanides and primary arylamines: diversity-oriented synthesis of novel chromone-containing peptidomimetics. 13: 659-666. <http://dx.doi.org/10.1021/co200125a>.
- Tellez, HM; Alquisira, JP; Alonso, CR; Cortés, JG; Toledano, CA. (2011). Comparative kinetic study and microwaves non-thermal effects on the formation of poly(amic acid) 4,4'-(hexafluoroisopropylidene)diphthalic anhydride (6FDA) and 4,4'-(hexafluoroisopropylidene)bis(p-phenyleneoxy)dianiline (BAPHF). Reaction activated by microwave, ultrasound and conventional heating. *International Journal of Molecular Sciences*. 12: 6703-6721. <http://dx.doi.org/10.3390/ijms12106703>.
- Telo, JP; Moneo, Á; Carvalho, MF; Nelsen, SF. (2011). Dynamics of intramolecular electron transfer in dinitrodibenzodioxin radical anions. *J Phys Chem A*. 115: 10738-10743. <http://dx.doi.org/10.1021/jp2050383>.
- Temel, F; Tabakci, M. (2016). Calix[4]arene coated QCM sensors for detection of VOC emissions: Methylene chloride sensing studies. *Talanta*. 153: 221-227. <http://dx.doi.org/10.1016/j.talanta.2016.03.026>.

Human Health Hazard Literature Search Results

Off Topic

- ter Boo, GA; Grijpma, DW; Richards, RG; Moriarty, TF; Eglin, D. (2015). Preparation of gentamicin dioctyl sulfosuccinate loaded poly(trimethylene carbonate) matrices intended for the treatment of orthopaedic infections. *Clin Hemorheol Microcirc.* 60: 89-98. <http://dx.doi.org/10.3233/CH-151935>.
- Tevis, ID; Palmer, LC; Herman, DJ; Murray, IP; Stone, DA; Stupp, SI. (2011). Self-assembly and orientation of hydrogen-bonded oligothiophene polymorphs at liquid-membrane-liquid interfaces. *J Am Chem Soc.* 133: 16486-16494. <http://dx.doi.org/10.1021/ja204811b>.
- Thanh, ND; Mai, NT. (2009). Synthesis of N-tetra-O-acetyl-beta-D-glucopyranosyl-N'-(4',6'-diarylpurimidin-2'-yl)thioureas. *Carbohydr Res.* 344: 2399-2405. <http://dx.doi.org/10.1016/j.carres.2009.09.002>.
- Thanuja, B; Nithya, G; Kanagam, CC. (2012). Ultrasonic studies of intermolecular interactions in binary mixtures of 4-methoxy benzoin with various solvents: Excess molar functions of ultrasonic parameters at different concentrations and in different solvents. *Ultrason Sonochem.* 19: 1213-1220. <http://dx.doi.org/10.1016/j.ultsonch.2012.03.006>.
- Theiler, S; Mela, P; Diamantouros, SE; Jockenhoevel, S; Keul, H; Möller, M. (2011). Fabrication of highly porous scaffolds for tissue engineering based on star-shaped functional poly(ϵ -caprolactone). *Biotechnol Bioeng.* 108: 694-703. <http://dx.doi.org/10.1002/bit.22979>.
- Thi, QV; Tran, VH; Maia, HD; Le, CV; Hong, M; Murphy, BT; Chau, VM; Pham, VC. (2016). Antimicrobial Metabolites from a Marine-Derived Actinomycete in Vietnam's East Sea. *Natural Product Communications.* 11: 49-51.
- Thipperudrappa, J; Raghavendra, UP; Basanagouda, M. (2015). Photophysical characteristics of biologically active 4-aryloxymethyl coumarins 4PTMBC and 11PMBC. *Spectrochim Acta A Mol Biomol Spectrosc.* 136 Pt C: 1475-1483. <http://dx.doi.org/10.1016/j.saa.2014.10.039>.
- Thoma, DS; Subramani, K; Weber, FE; Luder, HU; Hämmerle, CH; Jung, RE. (2011). Biodegradation, soft and hard tissue integration of various polyethylene glycol hydrogels: a histomorphometric study in rabbits. *Clin Oral Implants Res.* 22: 1247-1254. <http://dx.doi.org/10.1111/j.1600-0501.2010.02075.x>.
- Tian, G; Wu, QY; Li, A, ng; Wang, W; Hu, HY. (2014). Enhanced decomposition of 1,4-dioxane in water by ozonation under alkaline condition. *Water Sci Technol.* 70: 1934-1940. <http://dx.doi.org/10.2166/wst.2014.414>.
- Timbart, L; Tse, MY; Pang, SC; Babasola, O; Amsden, BG. (2009). Low viscosity poly(trimethylene carbonate) for localized drug delivery: rheological properties and in vivo degradation. *Macromol Biosci.* 9: 786-794. <http://dx.doi.org/10.1002/mabi.200800318>.
- Timm, DE; Benveniste, M; Weeks, AM; Nisenbaum, ES; Partin, KM. (2011). Structural and functional analysis of two new positive allosteric modulators of GluA2 desensitization and deactivation. *Mol Pharmacol.* 80: 267-280. <http://dx.doi.org/10.1124/mol.110.070243>.
- Torabinejad, B; Mohammadi-Rovshandeh, J; Davachi, SM; Zamanian, A. (2014). Synthesis and characterization of nanocomposite scaffolds based on triblock copolymer of L-lactide, ϵ -caprolactone and nano-hydroxyapatite for bone tissue engineering. *Mater Sci Eng C.* 42: 199-210. <http://dx.doi.org/10.1016/j.msec.2014.05.003>.
- Torino, E; Aruta, R; Sibillano, T; Giannini, C; Netti, PA. (2016). Synthesis of semicrystalline nanocapsular structures obtained by Thermally Induced Phase Separation in nanoconfinement. *Sci Rep.* 6: 32727. <http://dx.doi.org/10.1038/srep32727>.
- Tran-Ba, KH; Higgins, DA; Ito, T. (2015). Fluorescence Recovery after Photobleaching and Single-Molecule Tracking Measurements of Anisotropic Diffusion within Identical Regions of a Cylinder-Forming Diblock Copolymer Film. *Anal Chem.* 87: 5802-5809. <http://dx.doi.org/10.1021/acs.analchem.5b01041>.
- Trost, BM; Osipov, M; Kaib, PS; Sorum, MT. (2011). Acetoxy Meldrum's acid: a versatile acyl anion equivalent in the Pd-catalyzed asymmetric allylic alkylation. *Org Lett.* 13: 3222-3225. <http://dx.doi.org/10.1021/ol2011242>.
- Truong, T; Daugulis, O. (2011). Transition-metal-free alkynylation of aryl chlorides. *Org Lett.* 13: 4172-4175. <http://dx.doi.org/10.1021/ol2014736>.
- Truong, V; Blakey, I; Whittaker, AK. (2012). Hydrophilic and amphiphilic polyethylene glycol-based hydrogels with tunable degradability prepared by "click" chemistry. *Biomacromolecules.* 13: 4012-4021. <http://dx.doi.org/10.1021/bm3012924>.
- Tseng, YY; Liao, JY; Chen, WA; Kao, YC; Liu, SJ. (2014). Biodegradable poly([D,L]-lactide-co-glycolide) nanofibers for the sustainable delivery of lidocaine into the epidural space after laminectomy. *Nanomed.* 9: 77-87. <http://dx.doi.org/10.2217/nnm.13.42>.
- Tso, MK; Ibrahim, GM; Macdonald, RL. (2016). Predictors of Shunt-Dependent Hydrocephalus Following Aneurysmal Subarachnoid Hemorrhage. *86: 226-232.* <http://dx.doi.org/10.1016/j.wneu.2015.09.056>.
- Tsuchida, R; Kubo, M; Kuroda, M; Shibasaki, Y; Shintani, N; Abe, M; Köves, K; Hashimoto, H; Baba, A. (2009). An antihyperkinetic action by the serotonin 1A-receptor agonist osetozotan co-administered with psychostimulants or the non-stimulant atomoxetine in mice. *J Pharmacol Sci.* 109: 396-402.
- Tsuchida, R; Kubo, M; Shintani, N; Abe, M; Köves, K; Uetsuki, K; Kuroda, M; Hashimoto, H; Baba, A. (2009). Inhibitory effects of osetozotan, a serotonin 1A-receptor agonist, on methamphetamine-induced c-Fos expression in prefrontal cortical neurons. *Biol Pharm Bull.* 32: 728-731.
- Tsuda, M; Terao, K; Kitamura, S; Sato, T. (2012). Solvent-dependent conformation of a regioselective amylose carbamate: amylose-2-acetyl-3,6-bis(phenylcarbamate). *Biopolymers.* 97: 1010-1017. <http://dx.doi.org/10.1002/bip.22118>.
- Türk, M; Rzayev, ZM; Khalilova, SA. (2010). Bioengineering functional copolymers. XIV. Synthesis and interaction of poly(N-isopropylacrylamide-co-3,4-dihydro-2H-pyran-alt-maleic anhydride)s with SCLC cancer cells. *Bioorg Med Chem.* 18: 7975-7984. <http://dx.doi.org/10.1016/j.bmc.2010.09.031>.
- Turza, KC; Butler, CE. (2012). Adhesions and meshes: synthetic versus bioprosthetic. *Plast Reconstr Surg.* 130: 206S-213S. <http://dx.doi.org/10.1097/PRS.0b013e3182638d48>.
- Tzoneva, R; Seifert, B; Behl, M; Lendlein, A. (2012). Elastic multiblock copolymers for vascular regeneration: protein adsorption and hemocompatibility. *Clin Hemorheol Microcirc.* 52: 337-348. <http://dx.doi.org/10.3233/CH-2012-1609>.

Human Health Hazard Literature Search Results

Off Topic

- Tzoneva, R; Weckwerth, C; Seifert, B; Behl, M; Heuchel, M; Tsoneva, I; Lendlein, A. (2011). In vitro evaluation of elastic multiblock co-polymers as a scaffold material for reconstruction of blood vessels. *J Biomater Sci Polym Ed.* 22: 2205-2226.
<http://dx.doi.org/10.1163/092050610X537147>.
- U.S. Congress. (2011). Consolidated Appropriations Act, 2012. (Pub. L. No. 112-74; 125 STAT. 786). 112th U.S. Congress.
<https://www.gpo.gov/fdsys/pkg/PLAW-112publ74/pdf/PLAW-112publ74.pdf>.
- U.S. EPA. (1986). Guidelines for carcinogen risk assessment [EPA Report]. (EPA/630/R-00/004). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. http://epa.gov/raf/publications/pdfs/CA%20GUIDELINES_1986.PDF.
- U.S. EPA. (1986). Guidelines for mutagenicity risk assessment (pp. 1-17). (EPA/630/R-98/003). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/guidelines-mutagenicity-risk-assessment>.
- U.S. EPA. (1986). Guidelines for the health risk assessment of chemical mixtures (pp. 1-38). (EPA/630/R-98/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=22567>.
- U.S. EPA. (1988). Recommendations for and documentation of biological values for use in risk assessment (pp. 1-395). (EPA/600/6-87/008). Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=34855>.
- U.S. EPA. (1991). Guidelines for developmental toxicity risk assessment (pp. 1-71). (EPA/600/FR-91/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=23162>.
- U.S. EPA. (1994). Interim policy for particle size and limit concentration issues in inhalation toxicity studies. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticide Products. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=186068>.
- U.S. EPA. (1994). Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry [EPA Report] (pp. 1-409). (EPA/600/8-90/066F). Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office.
<https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=71993&CFID=51174829&CFTOKEN=25006317>.
- U.S. EPA. (1995). The use of the benchmark dose approach in health risk assessment. (EPA/630/R-94/007). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=30004WBL.txt>.
- U.S. EPA. (1996). Guidelines for reproductive toxicity risk assessment (pp. 1-143). (EPA/630/R-96/009). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
- U.S. EPA. (1998). Guidelines for neurotoxicity risk assessment [EPA Report] (pp. 1-89). (EPA/630/R-95/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/risk/guidelines-neurotoxicity-risk-assessment>.
- U.S. EPA. (2000). Benchmark dose technical guidance document [external review draft] [EPA Report] (pp. 1-96). (EPA/630/R-00/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
https://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=4727.
- U.S. EPA. (2000). Science policy council handbook: Risk characterization (pp. 1-189). (EPA/100/B-00/002). Washington, D.C.: U.S. Environmental Protection Agency, Science Policy Council. <https://www.epa.gov/risk/risk-characterization-handbook>.
- U.S. EPA. (2000). Supplementary guidance for conducting health risk assessment of chemical mixtures (pp. 1-209). (EPA/630/R-00/002). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
<http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=20533>.
- U.S. EPA. (2002). A review of the reference dose and reference concentration processes (pp. 1-192). (EPA/630/P-02/002F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/osa/review-reference-dose-and-reference-concentration-processes>.
- U.S. EPA. (2002). Toxic Substances Control Act (TSCA) Inventory Update Database [Website]. Retrieved from <http://www.epa.gov/iur/>
- U.S. EPA. (2005). Guidelines for carcinogen risk assessment [EPA Report] (pp. 1-166). (EPA/630/P-03/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www2.epa.gov/osa/guidelines-carcinogen-risk-assessment>.
- U.S. EPA. (2005). Supplemental guidance for assessing susceptibility from early-life exposure to carcinogens (pp. 1-125). (EPA/630/R-03/003F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.
https://www3.epa.gov/airtoxics/childrens_supplement_final.pdf.
- U.S. EPA. (2006). A framework for assessing health risk of environmental exposures to children (pp. 1-145). (EPA/600/R-05/093F). Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment.
<http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=158363>.
- U.S. EPA. (2006). Peer review handbook (3rd edition) [EPA Report]. (EPA/100/B-06/002). Washington, DC: U.S. Environmental Protection Agency, Science Policy Council. <http://www.epa.gov/peerreview/>.
- U.S. EPA. (2009). Status report: Advances in inhalation dosimetry of gases and vapors with portal of entry effects in the upper respiratory tract [EPA Report]. (EPA/600/R-09/072). Research Triangle Park, NC. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=212131>.
- U.S. EPA. (2011). Recommended use of body weight 3/4 as the default method in derivation of the oral reference dose (pp. 1-50). (EPA/100/R11/0001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum, Office of the Science Advisor. <https://www.epa.gov/risk/recommended-use-body-weight-34-default-method-derivation-oral-reference-dose>.
- U.S. EPA. (2012). Advances in inhalation gas dosimetry for derivation of a reference concentration (RfC) and use in risk assessment (pp. 1-140). (EPA/600/R-12/044). Washington, DC.
<https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=244650&CFID=50524762&CFTOKEN=17139189>.
- U.S. EPA. (2012). Benchmark dose technical guidance. (EPA/100/R-12/001). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <https://www.epa.gov/risk/benchmark-dose-technical-guidance>.

Human Health Hazard Literature Search Results

Off Topic

- U.S. EPA. (2012). EPA announces NAS' review of IRIS assessment development process [Website]. Washington, DC. Retrieved from <http://yosemite.epa.gov/opa/admpress.nsf/0/1ce2a7875daf093485257a000054df54?OpenDocument>
- U.S. EPA. (2013). Toxic release inventory. 2011 TRI national analysis basic data files [Website]. Retrieved from <http://www2.epa.gov/toxics-release-inventory-tri-program/2011-tri-national-analysis-basic-data-files>
- U.S. EPA. (2013). WinBUGS model code in support of 1,4-dioxane IRIS assessment.
- Uchida, T; Kagoshima, Y; Konosu, T. (2009). Amide analogs of antifungal dioxane-triazole derivatives: synthesis and in vitro activities. 19: 2013-2017. <http://dx.doi.org/10.1016/j.bmcl.2009.02.036>.
- Uchiyama, N; Ogata, T; Oka, N; Wada, T. (2011). Trimethylsilyl trifluoromethanesulfonate-promoted reductive 2'-O-arylmethylation of ribonucleoside derivatives. 30: 446-456. <http://dx.doi.org/10.1080/15257770.2011.592171>.
- Uddin, M, dJ; Crews, BC; Blobaum, AL; Kingsley, PJ; Ghebreselasie, K; Saleh, S, amS; Clanton, JA; Baldwin, RM; Marnett, LJ. (2009). Synthesis and evaluation of [-123]-indomethacin derivatives as COX-2 targeted imaging agents. J Labelled Comp Radiopharm. 52: 387-393. <http://dx.doi.org/10.1002/jlcr.1615>.
- Ueyama, E; Suzuki, N; Kano, K. (2013). Mechanistic study of the oxidative degradation of the triazole antifungal agent CS-758 in an amorphous form. J Pharm Sci. 102: 104-113. <http://dx.doi.org/10.1002/jps.23339>.
- Uivarosi, V; Pirvu, CD; Ghica, MV; Anuta, V. (2013). PREFORMULATION STUDIES USING COSOLVENT SYSTEMS TO INCREASE THE SOLUBILITY OF A NEW ENROFLOXACIN RUTHENIUM (III) COMPLEX WITH BIOLOGICAL ACTIVITY. 61: 127-142.
- UNEP. (2000). The Montreal Protocol on substances that deplete the ozone layer. Nairobi, Kenya: United Nations Environment Programme, Ozone Secretariat. http://www.google.com/url?sa=t&source=web&cd=1&ved=0CBIQFjAA&url=http%3A%2F%2Fwww.unep.org%2Fozone%2Fpdfs%2Fmontreal-protocol2000.pdf&ei=-c89TPXON9PRngf-i-jdDg&usq=AFQjCNH4OHI5inPn5XFcYTvbIPPRDZu-fQ&sig2=qqSaM_nuQIX1Hc409kBvgw.
- Uno, K; Niikura, H; Morimoto, M; Ishibashi, Y; Miyasaka, H; Irie, M. (2011). In situ preparation of highly fluorescent dyes upon photoirradiation. J Am Chem Soc. 133: 13558-13564. <http://dx.doi.org/10.1021/ja204583e>.
- Utech, T; Köhler, J; Buschmann, H; Holenz, J; Vela, JM; Wünsch, B. (2011). Synthesis and pharmacological evaluation of a potent and selective σ 1 receptor antagonist with high antiallosteric activity. Arch Pharm (Weinheim). 344: 415-421. <http://dx.doi.org/10.1002/ardp.201000365>.
- Utiyama, EM; Rosa, MB; Andres, M; Miranda, JS; Damous, SH; Birolini, CA; Damous, LL; Montero, EF. (2015). Polypropylene and polypropylene/polyglycolcaprone (Ultrapro®) meshes in the repair of incisional hernia in rats. Acta Cir Bras. 30: 376-381. <http://dx.doi.org/10.1590/S0102-865020150060000001>.
- Utrabo, CA; Czczko, NG; Busato, CR; Montemor-Netto, MR; Malafaia, O; Dietz, UA. (2012). Comparative study between polypropylene and polypropylene/poliglycolcaprone meshes used in the correction of abdominal wall defect in rats. Acta Cir Bras. 27: 300-305.
- Valcke, M; Nong, A; Krishnan, K. (2012). Modeling the Human Kinetic Adjustment Factor for Inhaled Volatile Organic Chemicals: Whole Population Approach versus Distinct Subpopulation Approach. Journal of Toxicology. 2012: 404329. <http://dx.doi.org/10.1155/2012/404329>.
- van Giersbergen, PL; Treiber, A; Dingemans, J. (2009). In vitro and in vivo pharmacokinetic characteristics of clazosentan, an intravenous endothelin receptor antagonist, in humans. Int J Clin Pharmacol Ther. 47: 169-177.
- van Leeuwen, AC; Bos, RR; Grijpma, DW. (2012). Composite materials based on poly(trimethylene carbonate) and β -tricalcium phosphate for orbital floor and wall reconstruction. J Biomed Mater Res B Appl Biomater. 100: 1610-1620. <http://dx.doi.org/10.1002/jbm.b.32729>.
- van Leeuwen, AC; Huddleston Slater, JJ; Gielkens, PF; de Jong, J. R.; Grijpma, DW; Bos, RR. (2012). Guided bone regeneration in rat mandibular defects using resorbable poly(trimethylene carbonate) barrier membranes. Acta Biomater. 8: 1422-1429. <http://dx.doi.org/10.1016/j.actbio.2011.12.004>.
- Vastag, G; Apostolov, S; Matijevic, B; Assaleh, F. (2016). QSRR approach in examining selected azo dyes. Journal of Liquid Chromatography and Related Technologies. 39: 674-681. <http://dx.doi.org/10.1080/10826076.2016.1230748>.
- Vaswani, RG; Albrecht, BK; Audia, JE; Côté, A; Dakin, LA; Duplessis, M; Gehling, VS; Harmange, JC; Hewitt, MC; Leblanc, Y; Nasveschuk, CG; Taylor, AM. (2014). A practical synthesis of indoles via a Pd-catalyzed C-N ring formation. Org Lett. 16: 4114-4117. <http://dx.doi.org/10.1021/ol5018118>.
- Verger Bannasar, AM; Romero Kräuchi, O. (2011). [Protective measures against cerebral ischemia following subarachnoid hemorrhage: Part 2] [Review]. Rev Esp Anesthesiol Reanim. 58: 236-242.
- Vergouwen, MD. (2009). Effect of endothelin-receptor antagonists on delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage remains unclear [Letter]. Stroke. 40: e714; author reply e715-e714; author reply e716. <http://dx.doi.org/10.1161/STROKEAHA.109.565887>.
- Vergouwen, MD; Algra, A; Rinkel, GJ. (2012). Endothelin receptor antagonists for aneurysmal subarachnoid hemorrhage: a systematic review and meta-analysis update [Review]. Stroke. 43: 2671-2676. <http://dx.doi.org/10.1161/STROKEAHA.112.666693>.
- Vergouwen, MD; Vermeulen, M; Roos, YB. (2009). Delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage: is angiographic vasospasm an epiphenomenon? [Letter]. Stroke. 40: e39; author reply e40. <http://dx.doi.org/10.1161/STROKEAHA.108.537985>.
- Vescovi, T; Coleman, HM; Amal, R. (2010). The effect of pH on UV-based advanced oxidation technologies--1,4-dioxane degradation. J Hazard Mater. 182: 75-79. <http://dx.doi.org/10.1016/j.jhazmat.2010.06.001>.
- Vieira, I; Sonnier, M; Cresteil, T. (1996). Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. Eur J Biochem. 238: 476-483. <http://dx.doi.org/10.1111/j.1432-1033.1996.0476z.x>.

Human Health Hazard Literature Search Results

Off Topic

- Vila-Real, H; Alfaia, AJ; Calado, AR; Ribeiro, MHL. (2010). Improvement of activity and stability of soluble and sol-gel immobilized naringinase in co-solvent systems. *Journal of Molecular Catalysis B: Enzymatic*. 65: 91-101. <http://dx.doi.org/10.1016/j.molcatb.2010.01.024>.
- Vo, GD; Hartwig, JF. (2009). Palladium-catalyzed coupling of ammonia with aryl chlorides, bromides, iodides, and sulfonates: a general method for the preparation of primary arylamines. *J Am Chem Soc*. 131: 11049-11061. <http://dx.doi.org/10.1021/ja903049z>.
- Vogels, RR; Bosmans, JW; van Barneveld, KW; Verdoold, V; van Rijn, S; Gijbels, MJ; Penders, J; Breukink, SO; Grijpma, DW; Bouvy, ND. (2015). A new poly(1,3-trimethylene carbonate) film provides effective adhesion reduction after major abdominal surgery in a rat model. *Surgery*. 157: 1113-1120. <http://dx.doi.org/10.1016/j.surg.2015.02.004>.
- Vogels, RR; van Barneveld, KW; Bosmans, JW; Beets, G; Gijbels, MJ; Schreinemacher, MH; Bouvy, ND. (2015). Long-term evaluation of adhesion formation and foreign body response to three new meshes. *Surgical Endoscopy*. 29: 2251-2259. <http://dx.doi.org/10.1007/s00464-014-3936-5>.
- von Harbou, E; Fabich, HT; Benning, M; Tayler, AB; Sederman, AJ; Gladden, LF; Holland, DJ. (2015). Quantitative mapping of chemical compositions with MRI using compressed sensing. 261: 27-37. <http://dx.doi.org/10.1016/j.jmr.2015.09.013>.
- Vora, AK; Londhe, VY; Pandita, NS. (2015). Preparation and characterization of standardized pomegranate extract-phospholipid complex as an effective drug delivery tool. 6: 75-80. <http://dx.doi.org/10.4103/2231-4040.154542>.
- Voss, K; Falke, K; Bernsdorf, A; Grabow, N; Kastner, C; Sternberg, K; Minrath, I; Eickner, T; Wree, A; Schmitz, KP; Guthoff, R; Witt, M; Hovakimyan, M. (2015). Development of a novel injectable drug delivery system for subconjunctival glaucoma treatment. *J Control Release*. 214: 1-11. <http://dx.doi.org/10.1016/j.jconrel.2015.06.035>.
- Vyhnanekova, R; Müller, AH; Eisenberg, A. (2014). Control of morphology and corona composition in aggregates of mixtures of PS-b-PAA and PS-b-P4VP diblock copolymers: effects of solvent, water content, and mixture composition. *Langmuir*. 30: 13152-13163. <http://dx.doi.org/10.1021/la5028527>.
- Vyner, MC; Li, A; Amsden, BG. (2014). The effect of poly(trimethylene carbonate) molecular weight on macrophage behavior and enzyme adsorption and conformation. *Biomaterials*. 35: 9041-9048. <http://dx.doi.org/10.1016/j.biomaterials.2014.07.023>.
- Wagner, M; Banerjee, T; Jeong, Y; Holden, JE. (2016). Sex differences in hypothalamic-mediated tonic norepinephrine release for thermal hyperalgesia in rats. *Neuroscience*. 324: 420-429. <http://dx.doi.org/10.1016/j.neuroscience.2016.03.038>.
- Wang, CK; Northfield, SE; Swedberg, JE; Harvey, PJ; Mathiowetz, AM; Price, DA; Liras, S; Craik, DJ. (2014). Translational diffusion of cyclic peptides measured using pulsed-field gradient NMR. *J Phys Chem B*. 118: 11129-11136. <http://dx.doi.org/10.1021/jp506678f>.
- Wang, F; Shi, AW; Qin, XX; Liu, CL; Dong, WS. (2011). Dehydration of fructose to 5-hydroxymethylfurfural by rare earth metal trifluoromethanesulfonates in organic solvents. *Carbohydr Res*. 346: 982-985. <http://dx.doi.org/10.1016/j.carres.2011.03.009>.
- Wang, H; Bakheet, B; Yuan, S, hi; Li, X; Yu, G; Murayama, S; Wang, Y. (2015). Kinetics and energy efficiency for the degradation of 1,4-dioxane by electro-peroxone process. *J Hazard Mater*. 294: 90-98. <http://dx.doi.org/10.1016/j.jhazmat.2015.03.058>.
- Wang, J; He, Y; Maitz, MF; Collins, B; Xiong, K; Guo, L; Yun, Y; Wan, G; Huang, N. (2013). A surface-eroding poly(1,3-trimethylene carbonate) coating for fully biodegradable magnesium-based stent applications: toward better biofunction, biodegradation and biocompatibility. *Acta Biomater*. 9: 8678-8689. <http://dx.doi.org/10.1016/j.actbio.2013.02.041>.
- Wang, JL; He, ZQ; Wang, YS; Mu, LP; Ye, S; Jing, XP. (2009). [Photoluminescence from bis-t-butylbenzoxazolylthiophene doped silica films]. *Guang Pu Xue Yu Guang Pu Fen Xi*. 29: 1740-1744.
- Wang, K; Xu, F; Sun, R. (2010). Molecular Characteristics of Kraft-AQ Pulping Lignin Fractionated by Sequential Organic Solvent Extraction. *International Journal of Molecular Sciences*. 11: 2988-3001. <http://dx.doi.org/10.3390/ijms11082988>.
- Wang, L; Kefalidis, CE; Sinbandhit, S; Dorcet, V; Carpentier, JF; Maron, L; Sarazin, Y. (2013). Heteroleptic tin(II) initiators for the ring-opening (co)polymerization of lactide and trimethylene carbonate: mechanistic insights from experiments and computations. *Chemistry*. 19: 13463-13478. <http://dx.doi.org/10.1002/chem.201301751>.
- Wang, L; Ma, H. (2010). Zinc complexes supported by multidentate aminophenolate ligands: synthesis, structure and catalysis in ring-opening polymerization of rac-lactide. *Dalton Transactions (Online)*. 39: 7897-7910. <http://dx.doi.org/10.1039/c0dt00250j>.
- Wang, Q; Ji, F; Wang, J; Jiang, B; Li, L; An, L; Li, Y; Bao, Y. (2016). Characterization of a salt-activated protease with temperature-dependent secretion in *Stenotrophomonas maltophilia* FF11 isolated from frozen Antarctic krill. *J Ind Microbiol Biotechnol*. 43: 829-840. <http://dx.doi.org/10.1007/s10295-016-1749-3>.
- Wang, X; Li, YM; Li, WQ; Huang, CG; Lu, YC; Hou, LJ. (2012). Effect of clazosentan in patients with aneurysmal subarachnoid hemorrhage: a meta-analysis of randomized controlled trials. *PLoS ONE*. 7: e47778. <http://dx.doi.org/10.1371/journal.pone.0047778>.
- Wang, XL; Chen, YY; Wang, YZ. (2010). Synthesis of poly(p-dioxanone) catalyzed by Zn L-lactate under microwave irradiation and its application in ibuprofen delivery. *J Biomater Sci Polym Ed*. 21: 927-936. <http://dx.doi.org/10.1163/156856209X452269>.
- Wang, XL; Huang, Y; Zhu, J; Pan, YB; He, R; Wang, YZ. (2009). Chitosan-graft poly(p-dioxanone) copolymers: preparation, characterization, and properties. *Carbohydr Res*. 344: 801-807. <http://dx.doi.org/10.1016/j.carres.2009.02.009>.
- Wang, Y; Ma, H. (2012). Exploitation of dinuclear salan aluminum complexes for versatile copolymerization of ϵ -caprolactone and L-lactide. *Chem Commun (Camb)*. 48: 6729-6731. <http://dx.doi.org/10.1039/c2cc31716h>.
- Wang, Y; Shi, J; Wang, L; Jin, M. (2015). [Analysis of 1,4-dioxane in drinking water by headspace solid-phase microextraction-gas chromatography]. *Sepu*. 33: 441-445.
- Wang, Z; Cao, Y; Song, J; Xie, Z; Wang, Y. (2016). Cooperation of Amphiphilicity and Crystallization for Regulating the Self-Assembly of Poly(ethylene glycol)-block-poly(lactic acid) Copolymers. *Langmuir*. 32: 9633-9639. <http://dx.doi.org/10.1021/acs.langmuir.6b02211>.
- Ward, JM; Uno, H; Kurata, Y; Weghorst, CM; Jang, JJ. (1993). Cell-proliferation not associated with carcinogenesis in rodents and humans [Review]. *Environ Health Perspect*. 101: 125-135. <http://dx.doi.org/10.2307/3431855>.

Human Health Hazard Literature Search Results

Off Topic

- Watanabe, J; Hayashi, S; Kawajiri, K. (1994). Different regulation and expression of the human CYP2E1 gene due to the RsaI polymorphism in the 5'-flanking region. *J Biochem.* 116: 321-326.
- Waxman, DJ; Pampori, NA; Ram, PA; Agrawal, AK; Shapiro, BH. (1991). Interpulse interval in circulating growth hormone patterns regulates sexually dimorphic expression of hepatic cytochrome P450. *Proc Natl Acad Sci USA.* 88: 6868-6872.
- Wegenhart, BL; Abu-Omar, MM. (2010). A solvent-free method for making dioxolane and dioxane from the biorenewables glycerol and furfural catalyzed by oxorhenium(V) oxazoline. *Inorg Chem.* 49: 4741-4743. <http://dx.doi.org/10.1021/ic1004352>.
- Wei, X; Han, R; Hu, X; Quan, L; Liu, CY, u; Chang, Q, i; Liao, YH. (2013). Stabilization of zeaylonone in rat plasma by the presence of esterase inhibitors and its LC-MS/MS assay for pharmacokinetic study. *Biomed Chromatogr.* 27: 636-640. <http://dx.doi.org/10.1002/bmc.2838>.
- Wei, X; Jiang, X; Ye, L; Yuan, S; Chen, Z; Wu, M, in; Yu, H. (2013). Cloning, expression and characterization of a new enantioselective esterase from a marine bacterium *Pelagibacterium halotolerans* B2(T). *Journal of Molecular Catalysis B: Enzymatic.* 97: 270-277. <http://dx.doi.org/10.1016/j.molcatb.2013.09.002>.
- Wei, Y; Lan, T; Tang, T; Zhang, L; Wang, F; Li, T; Du, Y; Zhang, W. (2009). A comprehensive two-dimensional normal-phase x reversed-phase liquid chromatography based on the modification of mobile phases. *J Chromatogr A.* 1216: 7466-7471. <http://dx.doi.org/10.1016/j.chroma.2009.08.029>.
- Weinstein, AB; Stahl, SS. (2014). Palladium Catalyzed Aryl C-H Amination with O₂ via In Situ Formation of Peroxide-Based Oxidant(s) from Dioxane. 4: 4301-4307. <http://dx.doi.org/10.1039/C4CY00764F>.
- Wheaton, CA; Hayes, PG. (2010). Cationic zinc complexes: a new class of catalyst for living lactide polymerization at ambient temperature. *Chem Commun (Camb).* 46: 8404-8406. <http://dx.doi.org/10.1039/c0cc03463k>.
- Whitehorne, TJ; Schaper, F. (2013). Square-planar Cu(II) diketiminate complexes in lactide polymerization. *Inorg Chem.* 52: 13612-13622. <http://dx.doi.org/10.1021/ic402133c>.
- Widjaja, LK; Kong, JF; Chattopadhyay, S; Lipik, VT; Liow, SS; Abadie, MJ; Venkatraman, SS. (2012). Triblock copolymers of ϵ -caprolactone, trimethylene carbonate, and L-lactide: effects of using random copolymer as hard-block. *Journal of the Mechanical Behavior of Biomedical Materials.* 6: 80-88. <http://dx.doi.org/10.1016/j.jmbbm.2011.11.001>.
- Wiemann, C; Enzmann, H; Löser, E; Schlüter, G. (1999). Nonlinearity of nuclear enlargement in hepatocytes induced by the carcinogen N'-nitrosomorpholine in Ovo. *Cancer Detect Prev.* 23: 485-495.
- Williams, AL; Dandepally, SR; Kotturi, SV. (2010). A p-methoxybenzyl (PMB) protection/deprotection approach toward the synthesis of 5-phenoxy-4-chloro-N-(aryl/alkyl) thiophene-2-sulfonamides. *Mol Divers.* 14: 697-707. <http://dx.doi.org/10.1007/s11030-009-9208-y>.
- Witiw, CD; Ibrahim, GM; Fallah, A; Macdonald, RL. (2013). Early predictors of prolonged stay in a critical care unit following aneurysmal subarachnoid hemorrhage. *Neurocrit Care.* 18: 291-297. <http://dx.doi.org/10.1007/s12028-013-9815-4>.
- Witkowska Nery, E; Jastrzębska, E; Żukowski, K; Wróblewski, W; Chudy, M; Ciosek, P. (2014). Flow-through sensor array applied to cytotoxicity assessment in cell cultures for drug-testing purposes. 51: 55-61. <http://dx.doi.org/10.1016/j.bios.2013.07.023>.
- Witono, JR; Marsman, JH; Noordergraaf, IW; Heeres, HJ; Janssen, LP. (2013). Improved homopolymer separation to enable the application of 1H NMR and HPLC for the determination of the reaction parameters of the graft copolymerization of acrylic acid onto starch. *Carbohydr Res.* 370: 38-45. <http://dx.doi.org/10.1016/j.carres.2013.01.017>.
- Witt, KM; Bockman, CS; Dang, HK; Gruber, DD; Wangemann, P; Scofield, MA. (2012). Molecular and pharmacological characteristics of the gerbil $\alpha(1a)$ -adrenergic receptor. *Hear Res.* 283: 144-150. <http://dx.doi.org/10.1016/j.heares.2011.11.002>.
- Wojcieszynska, D; Gren, I; Hupert-Kocurek, K; Guzik, U. (2011). Modulation of FAD-dependent monooxygenase activity from aromatic compounds-degrading *Stenotrophomonas maltophilia* strain KB2. *Acta Biochim Pol.* 58: 421-426.
- Wojcieszynska, D; Greń, I; Hupert-Kocurek, K; Guzik, U. (2011). Modulation of FAD-dependent monooxygenase activity from aromatic compounds-degrading *Stenotrophomonas maltophilia* strain KB2. *Acta Biochim Pol.* 58: 421-426.
- Wojtaszak, J; Mierzwicki, K; Szafert, S; Gulia, N; Ejfler, J. (2014). Homoleptic aminophenolates of Zn, Mg and Ca. Synthesis, structure, DFT studies and polymerization activity in ROP of lactides. *Dalton Transactions (Online).* 43: 2424-2436. <http://dx.doi.org/10.1039/c3dt52868e>.
- Wojtczak, BA; Olejniczak, AB; Lesnikowski, ZJ. (2009). Nucleoside modification with boron clusters and their metal complexes. *Current Protocols in Nucleic Acid Chemistry.* Chapter 4: Unit 4.37 31-Unit 34.3726. <http://dx.doi.org/10.1002/0471142700.nc0437s38>.
- Wolfe, NL; Jeffers, PM. (2000). Hydrolysis. In RS Boethling; D Mackay (Eds.), (pp. 311-333). Boca Raton, FL: Lewis Publishers. <http://dx.doi.org/10.1201/9781420026283.ch13>.
- Wolffs, M; Kade, MJ; Hawker, CJ. (2011). An energy efficient and facile synthesis of high molecular weight polyesters using ketenes. *Chem Commun (Camb).* 47: 10572-10574. <http://dx.doi.org/10.1039/c1cc14055h>.
- Wolford, ST; Schroer, RA; Gohs, FX; Gallo, PP; Brodeck, M; Falk, HB; Ruhren, R. (1986). Reference range data base for serum chemistry and hematology values in laboratory animals. *J Toxicol Environ Health A.* 18: 161-188. <http://dx.doi.org/10.1080/15287398609530859>.
- Wong, GK; Poon, WS. (2011). Clazosentan for patients with subarachnoid haemorrhage: lessons learned [Letter]. *Lancet Neurol.* 10: 871; author reply 871-871; author reply 872. [http://dx.doi.org/10.1016/S1474-4422\(11\)70189-2](http://dx.doi.org/10.1016/S1474-4422(11)70189-2).
- Wong, OA; Compel, WS; Ackerson, CJ. (2015). Combinatorial Discovery of Cosolvent Systems for Production of Narrow Dispersion Thiolate-Protected Gold Nanoparticles. 17: 11-18. <http://dx.doi.org/10.1021/co500072c>.
- Wongmahasirikun, P; Prom-On, P; Sangtrirutnugul, P; Kongsaeere, P; Phomphrai, K. (2015). Synthesis of cyclic polyesters: effects of alkoxy side chains in salicylaldiminato tin(II) complexes. *Dalton Transactions (Online).* 44: 12357-12364. <http://dx.doi.org/10.1039/c5dt00139k>.
- Woo, JH; Kim, DY; Jo, SY; Kang, H; Noh, I. (2009). Modification of the bulk properties of the porous poly(lactide-co-glycolide) scaffold by irradiation with a cyclotron ion beam with high energy for its application in tissue engineering. 4: 044101. <http://dx.doi.org/10.1088/1748-6041/4/4/044101>.

Human Health Hazard Literature Search Results

Off Topic

- Wörmeyer, K; Ingram, T; Saake, B; Brunner, G; Smirnova, I. (2011). Comparison of different pretreatment methods for lignocellulosic materials. Part II: Influence of pretreatment on the properties of rye straw lignin. *Bioresour Technol.* 102: 4157-4164. <http://dx.doi.org/10.1016/j.biortech.2010.11.063>.
- Wu, GP; Darensbourg, DJ; Lu, XB. (2012). Tandem metal-coordination copolymerization and organocatalytic ring-opening polymerization via water to synthesize diblock copolymers of styrene oxide/CO₂ and lactide. *J Am Chem Soc.* 134: 17739-17745. <http://dx.doi.org/10.1021/ja307976c>.
- Wu, H; Zhang, J; Luo, Y; Wan, Y; Sun, S. (2015). Mechanical properties and permeability of porous chitosan-poly(p-dioxanone)/silk fibroin conduits used for peripheral nerve repair. *Journal of the Mechanical Behavior of Biomedical Materials.* 50: 192-205. <http://dx.doi.org/10.1016/j.jmbbm.2015.06.016>.
- Wu, JC. (2009). Nanostructuring and Molecular Imaging of Engineered Cardiovascular Tissues.
- Wu, JC. (2010). Nanostructuring and Molecular Imaging of Engineered Cardiovascular Tissues.
- Wu, JC. (2011). Nanostructuring and Molecular Imaging of Engineered Cardiovascular Tissues.
- Wu, Q; Rong, J; Shan, Z; Chen, H; Yang, W. (2009). [Effects of aqueous-organic solvents on peroxidase mimetic activity of Fe₃O₄ magnetic nanoparticles]. *Sheng Wu Gong Cheng Xue Bao.* 25: 1976-1982.
- Wu, X; El Ghzaoui, A; Li, S. (2012). Aggregates and hydrogels prepared by self-assembly of amphiphilic copolymers with surfactants. *J Colloid Interface Sci.* 374: 127-134. <http://dx.doi.org/10.1016/j.jcis.2012.02.004>.
- Wu, Z; Chen, H; Liu, X; Zhang, Y; Li, D; Huang, H. (2009). Protein adsorption on poly(N-vinylpyrrolidone)-modified silicon surfaces prepared by surface-initiated atom transfer radical polymerization. *Langmuir.* 25: 2900-2906. <http://dx.doi.org/10.1021/la8037523>.
- Xia, C; Liu, Y; Zhou, S; Yang, C; Liu, S; Xu, J; ie, Yu, J; Chen, J; Liang, X. (2009). The Pd-catalyzed hydrodechlorination of chlorophenols in aqueous solutions under mild conditions: A promising approach to practical use in wastewater. *J Hazard Mater.* 169: 1029-1033. <http://dx.doi.org/10.1016/j.jhazmat.2009.04.043>.
- Xie, JJ; Chen, CQ; Yan, YW; Zhang, JP; Lin, JC; Wang, Q; Zhou, HT; Chen, QX. (2009). Inactivation kinetics of beta-N-acetyl-D-glucosaminidase from green crab (*Scylla serrata*) in dioxane solution. 26: 509-515. <http://dx.doi.org/10.1080/07391102.2009.10507266>.
- Xin, Q; Pfeiffer, K; Prausnitz, JM; Clark, DS; Blanch, HW. (2012). Extraction of lignins from aqueous-ionic liquid mixtures by organic solvents. *Biotechnol Bioeng.* 109: 346-352. <http://dx.doi.org/10.1002/bit.24337>.
- Xing, D; Ma, L; Gao, C. (2014). Synthesis of functionalized poly(ester carbonate) with laminin-derived peptide for promoting neurite outgrowth of PC12 cells. *Macromol Biosci.* 14: 1429-1436. <http://dx.doi.org/10.1002/mabi.201400186>.
- Xing, L; Wang, C; Li, W; Xu, M; Meng, X; Zhao, S. (2009). Theoretical insight into oxidative decomposition of propylene carbonate in the lithium ion battery. *J Phys Chem B.* 113: 5181-5187. <http://dx.doi.org/10.1021/jp810279h>.
- Xiong, MP; Yáñez, JA; Kwon, GS; Davies, NM; Forrest, ML. (2009). A cremophor-free formulation for tanespimycin (17-AAG) using PEO-b-PDLLA micelles: characterization and pharmacokinetics in rats. *J Pharm Sci.* 98: 1577-1586. <http://dx.doi.org/10.1002/jps.21509>.
- Xu, L; Zhu, F; Zhu, Z; Liu, Z; Sun, X; Qiao, J; Mao, S; Qiu, Y. (2014). Comparison of 2 methods of incision closure in patients with adolescent idiopathic scoliosis undergoing posterior spinal fusion surgery. *Spine.* 39: E481-E485. <http://dx.doi.org/10.1097/BRS.0000000000000223>.
- Xu, M; Li, Y; Suo, H; Yan, Y; Liu, L; Wang, Q; Ge, Y; Xu, Y. (2010). Fabricating a pearl/PLGA composite scaffold by the low-temperature deposition manufacturing technique for bone tissue engineering. *Biofabrication.* 2: 025002. <http://dx.doi.org/10.1088/1758-5082/2/2/025002>.
- Xu, T; Feng, Q; Jacob, MR; Avula, B; Mask, MM; Baerson, SR; Tripathi, SK; Mohammed, R; Hamann, MT; Khan, IA; Walker, LA; Clark, AM; Agarwal, AK. (2011). The marine sponge-derived polyketide endoperoxide plakortide F acid mediates its antifungal activity by interfering with calcium homeostasis. *Antimicrob Agents Chemother.* 55: 1611-1621. <http://dx.doi.org/10.1128/AAC.01022-10>.
- Xu, W, ei; Gong, N; Yang, S; Zhang, N, a; He, L, an; Du, G; Lu, Y. (2015). Isostructurality Among Solvates of Cabazitaxel: X-ray Structures and New Solvates Preparation. *J Pharm Sci.* 104: 1256-1262. <http://dx.doi.org/10.1002/jps.24374>.
- Xu, Z; Harvey, KA; Pavlina, TM; Zaloga, GP; Siddiqui, RA. (2015). Tocopherol and tocotrienol homologs in parenteral lipid emulsions. *European Journal of Lipid Science and Technology.* 117: 15-22. <http://dx.doi.org/10.1002/ejlt.201400182>.
- Yadav, M; Singh, SK; Sharma, JK; Yadav, KDS. (2011). Oxidation of polyaromatic hydrocarbons in systems containing water miscible organic solvents by the lignin peroxidase of *Gleophyllum striatum* MTCC-1117. *Environ Technol.* 32: 1287-1294. <http://dx.doi.org/10.1080/09593330.2010.535177>.
- Yag-Howard, C; Lavallee, L. (2013). Absorbable poliglecaprone 25 sutures for both subcutaneous and transepidermal closure: a cosmetically and economically appealing option. *Cutis. Suppl.* 19-23.
- Yakura, T; Omoto, M. (2009). Efficient Synthesis of p-Quinols Using Catalytic Hypervalent Iodine Oxidation of 4-Arylphenols with 4-Iodophenoxyacetic Acid and Oxone (R). *Chem Pharm Bull (Tokyo).* 57: 643-645.
- Yamabe, S; Fukuda, T; Yamazaki, S. (2013). A new intermediate in the Prins reaction. *Beilstein Journal of Organic Chemistry.* 9: 476-485. <http://dx.doi.org/10.3762/bjoc.9.51>.
- Yamaguchi, S; Tsutsumi, N; Kusumoto, E; Endo, K; Ikejiri, K; Yamashita, Y; Uchiyama, H; Saeki, H; Oki, E; Kawanaka, H; Morita, M; Ikeda, T; Maehara, Y. (2013). Lumbar hernia treated with lightweight partially absorbable mesh: report of a case. *Fukuoka Igaku Zasshi.* 104: 575-579.
- Yamamoto, M; Hayashi, MS; Nguyen, NT; Nguyen, TD; Mccloud, S; Imagawa, DK. (2009). Use of Seamguard to prevent pancreatic leak following distal pancreatectomy. *Arch Surg.* 144: 894-899. <http://dx.doi.org/10.1001/archsurg.2009.39>.
- Yamashita, Y; Hanaya, K; Shoji, M; Sugai, T. (2016). Simple Synthesis of Sakuranetin and Selinone via a Common Intermediate, Utilizing Complementary Regioselectivity in the Deacetylation of Naringenin Triacetate. *Chem Pharm Bull (Tokyo).* 64: 961-965. <http://dx.doi.org/10.1248/cpb.c16-00190>.

Human Health Hazard Literature Search Results

Off Topic

- Yan, N; Zhang, X; Cai, Q; Yang, X; Zhou, X; Wang, B; Deng, X. (2012). The Effects of Lactidyl/Glycolidyl Ratio and Molecular Weight of Poly(D,L-Lactide-co-Glycolide) on the Tetracycline Entrapment and Release Kinetics of Drug-Loaded Nanofibers. *J Biomater Sci Polym Ed.* 23: 1005-1019. <http://dx.doi.org/10.1163/092050611X568223>.
- Yan, Q; Zhao, T; Bai, Y; Zhang, F; Yang, W. (2009). Precipitation polymerization in acetic acid: study of the solvent effect on the morphology of poly(divinylbenzene). *J Phys Chem B.* 113: 3008-3014. <http://dx.doi.org/10.1021/jp808974x>.
- Yang, C; Cheng, W; Teo, PY; Engler, AC; Coady, DJ; Hedrick, JL; Yang, YY. (2013). Mitigated cytotoxicity and tremendously enhanced gene transfection efficiency of PEI through facile one-step carbamate modification. 2: 1304-1308. <http://dx.doi.org/10.1002/adhm.201300046>.
- Yang, C; Liu, SQ; Venkataraman, S; Gao, SJ; Ke, X; Chia, XT; Hedrick, JL; Yang, YY. (2015). Structure-directing star-shaped block copolymers: supramolecular vesicles for the delivery of anticancer drugs. *J Control Release.* 208: 93-105. <http://dx.doi.org/10.1016/j.jconrel.2015.03.027>.
- Yang, D; Guo, J; Wu, H; Ding, Y; Zheng, W. (2012). Synthesis and structural characterization of two-coordinate low-valent 14-group metal complexes bearing bulky bis(amido)silane ligands. *Dalton Transactions (Online).* 41: 2187-2194. <http://dx.doi.org/10.1039/c1dt11774b>.
- Yang, H; Zhang, X; Zhou, L; Wang, P. (2011). Development of a photolabile carbonyl-protecting group toolbox. *J Org Chem.* 76: 2040-2048. <http://dx.doi.org/10.1021/jo102429g>.
- Yang, J; Liu, F; Tu, S; Chen, Y; Luo, X; Lu, Z; Wei, J; Li, S. (2010). Haemo- and cytocompatibility of bioresorbable homo- and copolymers prepared from 1,3-trimethylene carbonate, lactides, and epsilon-caprolactone. *J Biomed Mater Res A.* 94: 396-407. <http://dx.doi.org/10.1002/jbm.a.32677>.
- Yang, M; Shen, Z; Chen, T; Bi, H; Yang, B; Xu, W. (2013). Induced morphology control of Ln-asparagine coordination polymers from the macro to nanoscopic regime in polar solvent-water mixtures. *Dalton Transactions (Online).* 42: 1174-1179. <http://dx.doi.org/10.1039/c2dt32296j>.
- Yang, N; Xin, L; Gao, W; Zhang, J; Luo, X; Liu, X; Mu, Y. (2012). Al and Zn complexes bearing N,N,N-tridentate quinolinyl anilido-imine ligands: synthesis, characterization and catalysis in L-lactide polymerization. *Dalton Transactions (Online).* 41: 11454-11463. <http://dx.doi.org/10.1039/c2dt30594a>.
- Yang, P; Mykhaylyk, OO; Jones, ER; Armes, SP. (2016). RAFT Dispersion Alternating Copolymerization of Styrene with N-Phenylmaleimide: Morphology Control and Application as an Aqueous Foam Stabilizer. *Macromolecules.* 49: 6731-6742. <http://dx.doi.org/10.1021/acs.macromol.6b01563>.
- Yang, Q; Takeuchi, M; Saito, T; Isogai, A. (2014). Formation of nanosized islands of dialkyl β -ketoester bonds for efficient hydrophobization of a cellulose film surface. *Langmuir.* 30: 8109-8118. <http://dx.doi.org/10.1021/la501706t>.
- Yang, S; Nie, K; Zhang, Y; Xue, M; Yao, Y; Shen, Q. (2014). New [ONOO]-type amine bis(phenolate) ytterbium(II) and -(III) complexes: synthesis, structure, and catalysis for highly heteroselective polymerization of rac-lactide. *Inorg Chem.* 53: 105-115. <http://dx.doi.org/10.1021/ic401747n>.
- Yang, X; Cao, D; Wang, N; Sun, L; Li, L; Nie, S; Wu, Q; Liu, X; Yi, C; Gong, C. (2014). In vitro and in vivo safety evaluation of biodegradable self-assembled monomethyl poly(ethylene glycol)-poly(ϵ -caprolactone)-poly(trimethylene carbonate) micelles. *J Pharm Sci.* 103: 305-313. <http://dx.doi.org/10.1002/jps.23800>.
- Yang, X; Kiefer, JH; Tranter, RS. (2011). Thermal dissociation of ethylene glycol vinyl ether. *Phys Chem Chem Phys.* 13: 21288-21300. <http://dx.doi.org/10.1039/c1cp21073d>.
- Yang, YS; Li, QS; Sun, S; Zhang, YB; Wang, XL; Zhang, F; Tang, JF; Zhu, HL. (2012). Design, modification and 3D QSAR studies of novel 2,3-dihydrobenzo[b][1,4]dioxin-containing 4,5-dihydro-1H-pyrazole derivatives as inhibitors of B-Raf kinase. *Bioorg Med Chem.* 20: 6048-6058. <http://dx.doi.org/10.1016/j.bmc.2012.08.043>.
- Yanovsky, Y; Schubring, S; Fleischer, W; Gisselmann, G; Zhu, XR; Lübbert, H; Hatt, H; Rudolph, U; Haas, HL; Sergeeva, OA. (2012). GABAA receptors involved in sleep and anaesthesia: β 1- versus β 3-containing assemblies. *Pflugers Arch.* 463: 187-199. <http://dx.doi.org/10.1007/s00424-011-0988-4>.
- Yao, Y; Zhao, L; Yang, J. (2012). Glucose-responsive vehicles containing phenylborate ester for controlled insulin release at neutral pH. *Biomacromolecules.* 13: 1837-1844. <http://dx.doi.org/10.1021/bm3003286>.
- Yasojima, EY; Teixeira, RK; Houat, A; Costa, FL; Silveira, EL; Brito, MV; Lopes Filho, G. (2013). Effect of copaiba oil on correction of abdominal wall defect treated with the use of polypropylene/polyglycaprone mesh. *Acta Cir Bras.* 28: 131-135.
- Yasuhara, A; Shiraishi, H; Nishikawa, M; Yamamoto, T; Uehiro, T; Nakasugi, O; Okumura, T; Kenmotsu, K; Fukui, H; Nagase, M; Ono, Y; Kawagoshi, Y; Baba, K; Noma, Y. (1997). Determination of organic components in leachates from hazardous waste disposal sites in Japan by gas chromatography-mass spectrometry. *J Chromatogr A.* 774: 321-332. [http://dx.doi.org/10.1016/S0021-9673\(97\)00078-2](http://dx.doi.org/10.1016/S0021-9673(97)00078-2).
- Yasuhara, A; Tanaka, Y; Tanabe, A; Kawata, K; Katami, T. (2003). Elution of 1,4-dioxane from waste landfill sites. *Bull Environ Contam Toxicol.* 71: 641-647. <http://dx.doi.org/10.1007/s00128-003-8917-7>.
- Yilmaz, N; Inal, S; Muglali, M; Guvenc, T; Bas, B. (2010). Effects of Polyglycaprone 25, Silk and Catgut Suture Materials on Oral Mucosa Wound Healing in Diabetic Rats: An Evaluation of Nitric Oxide Dynamics. *Med Oral Patol Oral Cir Bucal.* 15: e526-e530. <http://dx.doi.org/10.4317/medoral.15.e526>.
- Yin, H, ao; Wang, X; Zhu, XD; Han, H; Guo, W; Fu, Z. (2013). A Tissue Engineered Renovascular Graft Composed of Proteins, Polymers, Smooth Muscle and Endothelial Cells for Renal Artery Stenosis. *Journal of Biomedical Nanotechnology.* 9: 1345-1353. <http://dx.doi.org/10.1166/jbn.2013.1628>.

Human Health Hazard Literature Search Results

Off Topic

- Yin, Q; Wang, SG; You, SL. (2013). Asymmetric synthesis of tetrahydro- β -carbolines via chiral phosphoric acid catalyzed transfer hydrogenation reaction. *Org Lett.* 15: 2688-2691. <http://dx.doi.org/10.1021/ol400995c>.
- Yin, R; Zhang, N; Wu, W; Wang, K. (2016). Poly(ethylene glycol)-grafted cyclic acetals based polymer networks with non-water-swelling, biodegradable and surface hydrophilic properties. *Mater Sci Eng C.* 62: 137-143. <http://dx.doi.org/10.1016/j.msec.2016.01.038>.
- Yong, KW; Lambert, LK; Hayes, PY; De Voss, JJ; Garson, MJ. (2012). Oxidative processes in the Australian marine sponge *Plakinastrella clathrata*: isolation of plakortolides with oxidatively modified side chains. *J Nat Prod.* 75: 351-360. <http://dx.doi.org/10.1021/np200619q>.
- You, I; Lee, T; Nam, YS; Lee, H. (2014). Fabrication of a Micro-omnifluidic Device by Omniphilic/Omniphobic Patterning on Nanostructured Surfaces. *ACS Nano.* 8: 9016-9024. <http://dx.doi.org/10.1021/nn502226v>.
- You, Q; Wang, F; Duan, L; Du, X; Xiao, M; Shen, Z. (2010). Construction of small-caliber, polydioxanone cyclohexanone vascular stents. *Cell Biochem Biophys.* 57: 35-43. <http://dx.doi.org/10.1007/s12013-010-9081-4>.
- Young, AM; Karri, SK; Helmy, A; Budohoski, KP; Kirillos, RW; Bulters, DO; Kirkpatrick, PJ; Ogilvy, CS; Trivedi, RA. (2015). Pharmacologic Management of Subarachnoid Hemorrhage. 84: 28-35. <http://dx.doi.org/10.1016/j.wneu.2015.02.004>.
- Young, JM; Morgan, BR; Mišić, B; Schweizer, TA; Ibrahim, GM; Macdonald, RL. (2015). A Partial Least-Squares Analysis of Health-Related Quality-of-Life Outcomes After Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery.* 77: 908-915; discussion 915. <http://dx.doi.org/10.1227/NEU.0000000000000928>.
- Yousef, TA; Abu El-Reash, GM; Rakha, TH; El-Ayaan, U. (2011). First row transition metal complexes of (E)-2-(2-(2-hydroxybenzylidene)hydrazinyl)-2-oxo-N-phenylacetamide complexes. *Spectrochim Acta A Mol Biomol Spectrosc.* 83: 271-278. <http://dx.doi.org/10.1016/j.saa.2011.08.030>.
- Yu, I; Acosta-Ramírez, A; Mehrkhodavandi, P. (2012). Mechanism of living lactide polymerization by dinuclear indium catalysts and its impact on isoselectivity. *J Am Chem Soc.* 134: 12758-12773. <http://dx.doi.org/10.1021/ja3048046>.
- Yu, XF; Wang, ZX. (2013). Dinuclear aluminum complexes supported by amino- or imino-phenolate ligands: synthesis, structures, and ring-opening polymerization catalysis of rac-lactide. *Dalton Transactions (Online).* 42: 3860-3868. <http://dx.doi.org/10.1039/c2dt32520a>.
- Yu, XQ; Shirai, T; Yamamoto, Y; Miyaoura, N. (2011). Rhodium-catalyzed 1,4-addition of lithium 2-furyltriolborates to unsaturated ketones and esters for enantioselective synthesis of γ -oxo-carboxylic acids by oxidation of the furyl ring with ozone. *Chem Asian J.* 6: 932-937. <http://dx.doi.org/10.1002/asia.201000589>.
- Yuan, WX; Chen, SR; Chen, H; Pan, HL. (2009). Stimulation of $\alpha(1)$ -adrenoceptors reduces glutamatergic synaptic input from primary afferents through GABA(A) receptors and T-type $Ca(2+)$ channels. *Neuroscience.* 158: 1616-1624. <http://dx.doi.org/10.1016/j.neuroscience.2008.11.022>.
- Yuan, Y; Jin, X; Fan, Z; Li, S; Lu, Z. (2015). In vivo degradation of copolymers prepared from L-lactide, 1,3-trimethylene carbonate and glycolide as coronary stent materials. *J Mater Sci Mater Med.* 26: 139. <http://dx.doi.org/10.1007/s10856-015-5384-8>.
- Zant, E; Bosman, MJ; Grijpma, DW. (2012). Combinatorial synthesis of photo-crosslinked biodegradable networks. 10: 197-202. <http://dx.doi.org/10.5301/JABFM.2012.10344>.
- Zant, E; Grijpma, DW. (2016). Tough biodegradable mixed-macromer networks and hydrogels by photo-crosslinking in solution. *Acta Biomater.* 31: 80-88. <http://dx.doi.org/10.1016/j.actbio.2015.12.014>.
- Zare-Mehrjardi, N; Khorasani, MT; Hemmesi, K; Mirzadeh, H; Azizi, H; Sadatnia, B; Hatami, M; Kiani, S; Barzin, J; Baharvand, H. (2011). Differentiation of embryonic stem cells into neural cells on 3D poly (D, L-lactic acid) scaffolds versus 2D cultures. *Int J Artif Organs.* 34: 1012-1023. <http://dx.doi.org/10.5301/ijao.5000002>.
- Zaware, P; Shah, SR; Pingali, H; Makadia, P; Thube, B; Pola, S; Patel, D; Priyadarshini, P; Suthar, D; Shah, M; Jamili, J; Sairam, KV; Giri, S; Patel, L; Patel, H; Sudani, H; Patel, H; Jain, M; Patel, P; Bahekar, R. (2011). Modulation of PPAR subtype selectivity. Part 2: Transforming PPAR α/γ dual agonist into α selective PPAR agonist through bioisosteric modification. 21: 628-632. <http://dx.doi.org/10.1016/j.bmcl.2010.12.032>.
- Zeng, CH; Yang, YY; Zhu, YM; Wang, HM; Chu, TS; Ng, SW. (2012). A New Luminescent Terbium 4-methylsalicylate Complex as a Novel Sensor for Detecting the Purity of Methanol. *Photochem Photobiol.* 88: 860-866. <http://dx.doi.org/10.1111/j.1751-1097.2012.01123.x>.
- Zeng, L, i; Xu, G; Gao, P; Zhang, M; Li, H; Zhang, J. (2015). Design, synthesis and evaluation of a novel class of glucosamine mimetic peptides containing 1,3-dioxane. *Eur J Med Chem.* 93: 109-120. <http://dx.doi.org/10.1016/j.ejmech.2015.01.062>.
- Zeng, WL. (2010). 5-(4-Fluoro-benzyl-idene)-2,2-dimethyl-1,3-dioxane-4,6-dione. *Acta Crystallographica Section E: Structure Reports Online.* 66: o2366. <http://dx.doi.org/10.1107/S1600536810033155>.
- Zeng, WL. (2010). 5-(4-Hydroxy-benzyl-idene)-2,2-dimethyl-1,3-dioxane-4,6-dione. *Acta Crystallographica Section E: Structure Reports Online.* 66: o2319. <http://dx.doi.org/10.1107/S1600536810032149>.
- Zeng, WL. (2010). (E)-2,2-Dimethyl-5-(3-phenyl-allyl-idene)-1,3-dioxane-4,6-dione. *Acta Crystallographica Section E: Structure Reports Online.* 66: o2943. <http://dx.doi.org/10.1107/S1600536810042534>.
- Zeng, WL. (2011). 3-(4-Bromo-benzyl-idene)-1,5-dioxaspiro-[5.5]undecane-2,4-dione. *Acta Crystallographica Section E: Structure Reports Online.* 67: o426. <http://dx.doi.org/10.1107/S1600536811001516>.
- Zeng, WL. (2011). 5-(3,4-Dimethyl-benzyl-idene)-2,2-dimethyl-1,3-dioxane-4,6-dione. *Acta Crystallographica Section E: Structure Reports Online.* 67: o1351. <http://dx.doi.org/10.1107/S1600536811016497>.
- Zeng, WL. (2011). 5,5'-[(2,4-Dichloro-phen-yl)methyl-ene]bis-(2,2-dimethyl-1,3-dioxane-4,6-dione). *Acta Crystallographica Section E: Structure Reports Online.* 67: o1894. <http://dx.doi.org/10.1107/S1600536811025384>.
- Zeng, WL; Jian, FF. (2009). 5-(2-Fluoro-benzyl-idene)-2,2-dimethyl-1,3-dioxane-4,6-dione. *Acta Crystallographica Section E: Structure Reports Online.* 65: o2587. <http://dx.doi.org/10.1107/S1600536809038811>.

Human Health Hazard Literature Search Results

Off Topic

- Zeng, WL; Suo, JL; Jian, FF. (2010). 3-(4-Meth-oxy-benzyl-idene)-1,5-dioxa-spiro-[5.5]undecane-2,4-dione. *Acta Crystallographica Section E: Structure Reports Online*. 66: o2837. <http://dx.doi.org/10.1107/S1600536810040675>.
- Zepelin, PH; Zahn, RK; Meffert, RH; Schmidt, K. (2011). Biomechanical evaluation of flexor tendon repair using barbed suture material: a comparative ex vivo study. 36: 446-449. <http://dx.doi.org/10.1016/j.jhsa.2010.11.031>.
- Zhai, Y; Wang, X; Li, X; Wang, Y. (2011). Biocompatible hydrogels based on chitosan and poly(p-dioxanone). *J Control Release*. 152 Suppl 1: e94-e95. <http://dx.doi.org/10.1016/j.jconrel.2011.08.146>.
- Zhan, R; Wang, ZC; Yin, BL; Liu, Y; Chen, YG. (2016). Novel 9, 10-dihydrophenanthrene derivatives from *Eria bambusifolia* with cytotoxicity against human cancer cells in vitro. *Chin J Nat Med*. 14: 621-625. [http://dx.doi.org/10.1016/S1875-5364\(16\)30073-5](http://dx.doi.org/10.1016/S1875-5364(16)30073-5).
- Zhang, A; Lu, F; Liu, C; Sun, RC. (2010). Isolation and characterization of lignins from *Eucalyptus tereticornis* (12ABL). *J Agric Food Chem*. 58: 11287-11293. <http://dx.doi.org/10.1021/jf103354x>.
- Zhang, C; Sangaj, N; Hwang, Y; Phadke, A; Chang, CW; Varghese, S. (2011). Oligo(trimethylene carbonate)-poly(ethylene glycol)-oligo(trimethylene carbonate) triblock-based hydrogels for cartilage tissue engineering. *Acta Biomater*. 7: 3362-3369. <http://dx.doi.org/10.1016/j.actbio.2011.05.024>.
- Zhang, C; Shen, W; Fan, R; Zhang, G; Shuang, S; Dong, C; Choi, MM. (2010). Spectral study on the inclusion complex of cryptophane-E and CHCl₃. *Spectrochim Acta A Mol Biomol Spectrosc*. 75: 157-161. <http://dx.doi.org/10.1016/j.saa.2009.10.004>.
- Zhang, J; Jian, C; Gao, Y; Wang, L; Tang, N; Wu, J. (2012). Synthesis and characterization of multi-alkali-metal tetraphenolates and application in ring-opening polymerization of lactide. *Inorg Chem*. 51: 13380-13389. <http://dx.doi.org/10.1021/ic302193y>.
- Zhang, L; Fang, DC. (2013). Catalytic C-H activation/C-C coupling reaction: DFT studies on the mechanism, solvent effect, and role of additive. *J Org Chem*. 78: 2405-2412. <http://dx.doi.org/10.1021/jo302567s>.
- Zhang, L; Jin, J; Zhang, L; Hu, R; Gao, L; Huo, X; Liu, D; Ma, X; Wang, C; Han, J; Li, L; Sun, X; Cao, L. (2015). Quantitative analysis of differential protein expression in cervical carcinoma cells after zeaylenone treatment by stable isotope labeling with amino acids in cell culture. *J Proteomics*. 126: 279-287. <http://dx.doi.org/10.1016/j.jprot.2015.06.012>.
- Zhang, Q; Ren, H; Baker, GL. (2015). Synthesis and click chemistry of a new class of biodegradable polylactide towards tunable thermo-responsive biomaterials. 6: 1275-1285. <http://dx.doi.org/10.1039/C4PY01425A>.
- Zhang, RR; Tian, HY; Tan, YF; Chung, TY; Sun, XH; Xia, X; Ye, WC; Middleton, DA; Fedosova, N; Esmann, M; Tzen, JT; Jiang, RW. (2014). Structures, chemotaxonomic significance, cytotoxic and Na(+),K(+)-ATPase inhibitory activities of new cardenolides from *Asclepias curassavica*. *Org Biomol Chem*. 12: 8919-8929. <http://dx.doi.org/10.1039/c4ob01545b>.
- Zhang, S; Gedalanga, PB; Mahendra, S. (2016). Biodegradation Kinetics of 1,4-Dioxane in Chlorinated Solvent Mixtures. *Environ Sci Technol*. 50: 9599-9607. <http://dx.doi.org/10.1021/acs.est.6b02797>.
- Zhang, S; Ke, H; Shi, Q; Zhang, J; Yang, Q; Wei, Q; Xie, G; Wang, W; Yang, D; Chen, S. (2016). Dysprosium(III) complexes with a square-antiprism configuration featuring mononuclear single-molecule magnetic behaviours based on different β -diketonate ligands and auxiliary ligands. *Dalton Transactions (Online)*. 45: 5310-5320. <http://dx.doi.org/10.1039/c6dt00219f>.
- Zhang, S; Ke, H; Sun, L; Li, X; Shi, Q; Xie, G; Wei, Q; Yang, D; Wang, W; Chen, S. (2016). Magnetization Dynamics Changes of Dysprosium(III) Single-Ion Magnets Associated with Guest Molecules. *Inorg Chem*. 55: 3865-3871. <http://dx.doi.org/10.1021/acs.inorgchem.5b02971>.
- Zhang, X; Qin, L; Li, D; Wei, Z; Wang, Z. (2014). Hepatic oxidative status and metal homeostasis disturbance of 2-hydroxylated dioxin in ICR mice. *Environ Toxicol Pharmacol*. 38: 881-890. <http://dx.doi.org/10.1016/j.etap.2014.09.001>.
- Zhang, X; Thomas, V; Vohra, YK. (2010). Two ply tubular scaffolds comprised of proteins/poliglecaprone/polycaprolactone fibers. *J Mater Sci Mater Med*. 21: 541-549. <http://dx.doi.org/10.1007/s10856-009-3922-y>.
- Zhang, X; Wang, JY; Ni, J; Zhang, LY; Chen, ZN. (2012). Vapochromic and mechanochromic phosphorescence materials based on a platinum(II) complex with 4-trifluoromethylphenylacetylidyde. *Inorg Chem*. 51: 5569-5579. <http://dx.doi.org/10.1021/ic202421d>.
- Zhang, XF; Li, FB; Wu, J; Shi, JL; Liu, Z; Liu, L. (2015). Synthesis of Fullerene-Fused Dioxanes/Dioxepanes: Ferric Perchlorate-Mediated One-Step Reaction of [60]Fullerene with Diols. *J Org Chem*. 80: 6037-6043. <http://dx.doi.org/10.1021/acs.joc.5b00360>.
- Zhang, XM; Qiu, M; Sun, J; Zhang, YB; Yang, YS; Wang, XL; Tang, JF; Zhu, HL. (2011). Synthesis, biological evaluation, and molecular docking studies of 1,3,4-oxadiazole derivatives possessing 1,4-benzodioxan moiety as potential anticancer agents. *Bioorg Med Chem*. 19: 6518-6524. <http://dx.doi.org/10.1016/j.bmc.2011.08.013>.
- Zhang, YB; Su, J; Furukawa, H; Yun, Y; Gándara, F; Duong, A; Zou, X; Yaghi, OM. (2013). Single-crystal structure of a covalent organic framework. *J Am Chem Soc*. 135: 16336-16339. <http://dx.doi.org/10.1021/ja409033p>.
- Zhang, Z; Lee, SD; Widenhoefer, RA. (2009). Intermolecular hydroamination of ethylene and 1-alkenes with cyclic ureas catalyzed by achiral and chiral gold(I) complexes. *J Am Chem Soc*. 131: 5372-5373. <http://dx.doi.org/10.1021/ja9001162>.
- Zhao, C; Shao, L; Lu, J; Deng, X; Wu, Y. (2016). Tumor Acidity-Induced Sheddable Polyethylenimine-Poly(trimethylene carbonate)/DNA/Polyethylene Glycol-2,3-Dimethylmaleicanhydride Ternary Complex for Efficient and Safe Gene Delivery. 8: 6400-6410. <http://dx.doi.org/10.1021/acsami.6b00825>.
- Zhao, H; Przybylska, M; Wu, IH; Zhang, J; Maniatis, P; Pacheco, J; Piepenhagen, P; Copeland, D; Arbeeny, C; Shayman, JA; Aerts, JM; Jiang, C; Cheng, SH; Yew, NS. (2009). Inhibiting glycosphingolipid synthesis ameliorates hepatic steatosis in obese mice. *Hepatology*. 50: 85-93. <http://dx.doi.org/10.1002/hep.22970>.
- Zhao, J; Fang, Z; Huang, R; Xiao, K; Li, J; Xie, M; Kan, W. (2014). [Ectopic osteogenesis in vivo using bone morphogenetic protein-2 derived peptide loaded biodegradable hydrogel]. *Sheng Wu Yi Xue Gong Cheng Xue Za Zhi*. 31: 811-815.
- Zhao, L; Hou, H; Fujii, A; Hosomi, M; Li, F. (2014). Degradation of 1,4-dioxane in water with heat- and Fe²⁺-activated persulfate oxidation. *Environ Sci Pollut Res Int*. 21: 7457-7465. <http://dx.doi.org/10.1007/s11356-014-2668-3>.

Human Health Hazard Literature Search Results

Off Topic

- Zhao, L; Yagiz, Y; Xu, C; Lu, J; Chung, S; Marshall, MR. (2015). Muscadine grape seed oil as a novel source of tocotrienols to reduce adipogenesis and adipocyte inflammation. 6: 2293-2302. <http://dx.doi.org/10.1039/c5fo00261c>.
- Zhao, Y; Zhou, Y; Wang, D; Gao, Y; Li, J; Ma, S; Zhao, L; Zhang, C; Liu, Y; Li, X. (2015). pH-responsive polymeric micelles based on poly(2-ethyl-2-oxazoline)-poly(D,L-lactide) for tumor-targeting and controlled delivery of doxorubicin and P-glycoprotein inhibitor. *Acta Biomater.* 17: 182-192. <http://dx.doi.org/10.1016/j.actbio.2015.01.010>.
- Zheng, J; Piao, MJ; Kim, KC; Yao, CW; Cha, JW; Kim, SM; Hyun, CL; Chae, S; Ahn, YS; Hyun, JW. (2014). Americanin B protects cultured human keratinocytes against oxidative stress by exerting antioxidant effects. *In Vitro Cellular and Developmental Biology.* 50: 766-777. <http://dx.doi.org/10.1007/s11626-014-9759-9>.
- Zheng, J; Piao, MJ; Kim, KC; Yao, CW; Cha, JW; Shin, JH; Yoo, SJ; Hyun, JW. (2014). Photo-protective effect of americanin B against ultraviolet B-induced damage in cultured human keratinocytes. *Environ Toxicol Pharmacol.* 38: 891-900. <http://dx.doi.org/10.1016/j.etap.2014.08.017>.
- Zhong, H, ua; Brusseau, ML; Wang, Y; Yan, N, i; Quig, L; Johnson, GR. (2015). In-situ activation of persulfate by iron filings and degradation of 1,4-dioxane. *Water Res.* 83: 104-111. <http://dx.doi.org/10.1016/j.watres.2015.06.025>.
- Zhou, Q; Zhou, M; Wei, Y; Zhou, X; Liu, S; Zhang, S; Zhang, B. (2017). Solvent effects on the triplet-triplet annihilation upconversion of diiodo-Bodipy and perylene. *Phys Chem Chem Phys.* 19: 1516-1525. <http://dx.doi.org/10.1039/c6cp06897a>.
- Zhou, T; Zhu, X; Su, J; Yao, D; Liu, D. (2012). [Covalent immobilization of glucose oxidase within organic media]. *Sheng Wu Gong Cheng Xue Bao.* 28: 476-487.
- Zhou, Y; Huang, H; Shen, D. (2016). Multi-substrate biodegradation interaction of 1, 4-dioxane and BTEX mixtures by *Acinetobacter baumannii* DD1. *Biodegradation.* 27: 37-46. <http://dx.doi.org/10.1007/s10532-015-9753-2>.
- Zhu, B; Zhao, L; Chen, A; Hua, Y; Luan, C. (2009). [Analysis of solvent residues in raw material drug of glimepiride by head-space sampling-capillary gas chromatography]. *Sepu.* 27: 755-759.
- Zhu, H; Chen, C; Tong, Q; Chen, X; Yang, J; Liu, J; Sun, B; Wang, J; Yao, G; Luo, Z; Xue, Y; Zhang, Y. (2015). Hyperisampsins H-M, Cytotoxic Polycyclic Polypropenylated Acylphloroglucinols from *Hypericum sampsonii*. *Sci Rep.* 5: 14772. <http://dx.doi.org/10.1038/srep14772>.
- Zhu, J; Dang, HC; Wang, WT; Wang, XL; Wang, YZ. (2011). Cellulose diacetate-g-poly(p-dioxanone) co-polymer: synthesis, properties and microsphere preparation. *J Biomater Sci Polym Ed.* 22: 981-999. <http://dx.doi.org/10.1163/092050610X497863>.
- Zhu, S; Wang, J; Xu, Z; Li, J. (2012). An efficient one-pot synthesis of pyrano[3,2-c]quinolin-2,5-dione derivatives catalyzed by L-proline. *Molecules.* 17: 13856-13863. <http://dx.doi.org/10.3390/molecules171213856>.
- Zhu, TH; Wang, SY; Wang, GN; Ji, SJ. (2013). Cobalt-catalyzed oxidative isocyanide insertion to amine-based bisnucleophiles: diverse synthesis of substituted 2-aminobenzimidazoles, 2-aminobenzothiazoles, and 2-aminobenzoxazoles. *Chemistry.* 19: 5850-5853. <http://dx.doi.org/10.1002/chem.201300239>.
- Zhuang, X; Zhang, H; Chikushi, N; Zhao, C; Oyaizu, K; Chen, X; Nishide, H. (2010). Biodegradable and electroactive TEMPO-substituted acrylamide/lactide copolymers. *Macromol Biosci.* 10: 1203-1209. <http://dx.doi.org/10.1002/mabi.201000031>.
- Zisowsky, J; Fuseau, E; Bruderer, S; Krause, A; Dingemans, J. (2014). Challenges in collecting pharmacokinetic and pharmacodynamic information in an intensive care setting: PK/PD modelling of clazosentan in patients with aneurysmal subarachnoid haemorrhage. *Eur J Clin Pharmacol.* 70: 409-419. <http://dx.doi.org/10.1007/s00228-014-1647-4>.
- Ziyatdinova, NI; Dementieva, RE; Fashutdinov, LI; Zefirov, TL. (2012). Blockade of different subtypes of $\alpha(1)$ -adrenoceptors produces opposite effect on heart chronotropy in newborn rats. *Bull Exp Biol Med.* 154: 184-185.
- Zong, E; Jiang, J; Liu, X; Fu, S; Xu, Y; Chu, F. (2016). Combination of lignin and L-lactide towards grafted copolymers from lignocellulosic butanol residue. *Int J Biol Macromol.* 86: 80-88. <http://dx.doi.org/10.1016/j.ijbiomac.2016.01.043>.
- Zou, WS; Han, J; Jin, WJ. (2009). Concentration-dependent Br...O halogen bonding between carbon tetrabromide and oxygen-containing organic solvents. *J Phys Chem A.* 113: 10125-10132. <http://dx.doi.org/10.1021/jp905914q>.
- Zuyderhoff, EM; Dupont-Gillain, CC. (2012). Nano-organized collagen layers obtained by adsorption on phase-separated polymer thin films. *Langmuir.* 28: 2007-2014. <http://dx.doi.org/10.1021/la203842q>.

OPPT RISK ASSESSMENT, PROBLEM FORMULATION OR SCOPE DOCUMENT

All documents cited in previous OPPT risk assessments, problem formulations and scope documents are included in the following section and listed as *on topic* without further categorization. The references may have also been captured in the search strategy and therefore presented in the peer reviewed literature search results section as either *on topic* or *off topic* for a given topic area in the sections above.

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- Abt (Abt Associates Inc.). (1992). Methylene chloride consumer use study survey findings. Bethesda, MD: U.S. Consumer Product Safety Commission.
- ACA (American Coatings Association). (2015). Re: TSCA Work Plan Chemical Problem Formulation and Initial Assessment for 1,4-Dioxane. Washington, DC.

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- ACGIH (American Conference of Governmental Industrial Hygienists). (2009). 2009 Guide to Occupational Exposure Values. <http://www.acgih.org/forms/store/ProductFormPublic/2009-guide-to-occupational-exposure-values>
- Akbarzadeh, R; Minton, JA; Janney, CS; Smith, TA; James, PF; Yousefi, AM. (2015). Hierarchical polymeric scaffolds support the growth of MC3T3-E1 cells. *J Mater Sci Mater Med* 26: 116. <http://dx.doi.org/10.1007/s10856-015-5453-z>
- Ali, I; Al-Othman, ZA; Aboul-Enein, HY. (2013). Chiral separations by HPLC on immobilized polysaccharide chiral stationary phases. *Methods Mol Biol* 970: 127-135. http://dx.doi.org/10.1007/978-1-62703-263-6_7
- Anon. Characterizing Sources of Indoor Air Pollution and Related Sink Effects.
- Atkins, PW. (1986). *Physical Chemistry*. Oxford, England: Oxford University Press.
- ATSDR (Agency for Toxic Substances and Disease Registry). (2012). Toxicological profile for 1,4 dioxane [ATSDR Tox Profile]. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service. <http://www.atsdr.cdc.gov/toxprofiles/tp.asp?id=955&tid=199>
- Azuma, K; Uchiyama, I; Ikeda, K. (2007). The risk screening for indoor air pollution chemicals in Japan. *Risk Anal* 27: 1623-1638. <http://dx.doi.org/10.1111/j.1539-6924.2007.00993.x>
- BASF. (2017). Information in Response to the "Preliminary Information on Manufacturing, Processing, Distribution, Use, and Disposal: 1,4-Dioxane" Document. <https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012>
- Batterman, S; Jia, C; Hatzivasilis, G. (2007). Migration of volatile organic compounds from attached garages to residences: A major exposure source. *Environ Res* 104: 224-240. <http://dx.doi.org/10.1016/j.envres.2007.01.008>
- BFRIP (Brominated Flame Retardant Industry Panel). (2001). High Production Volume (HPV) Challenge Program submission for Hexabromocyclododecane (HBCD). Available online at <http://www.epa.gov/oppt/chemrtk/pubs/summaries/cyclodod/c13459tc.htm>
- Brooke, L. (1987). Report of the Flow-Through and Static Acute Test Comparisons with Fathead Minnows and Acute Tests with an Amphipod and a Cladoceran. 24 p.
- Brown, VM; Crump, DR. (2013). An investigation into the performance of a multi-sorbent sampling tube for the measurement of VVOC and VOC emissions from products used indoors. *Analytical Methods* 5: 2746-2756. <http://dx.doi.org/10.1039/c3ay40224j>
- Bruno, TJ; PDN, S. (2006). *CRC Handbook of Fundamental Spectroscopic Correlation Charts*. Boca Raton, FL: CRC Press. <http://www.hbcnetbase.com/>
- Cal/EPA (California Environmental Protection Agency). (2013). OEHHA Proposition 65 in plain language. Available online at <http://oehha.ca.gov/prop65/background/p65plain.html>
- California State Water Resources Control Board. (2014). 1,4-Dioxane. Available online at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/14-dioxane.shtml
- CDTSC (California Department of Toxic Substances Control). (2010). Candidate Chemicals Lists. Available online at <https://dtsc.ca.gov/SCP/ChemList.cfm>
- Chinn, KSK. (1981). A Simple Model for Predicting Chemical Agent Evaporation, Technical Report. U.S. Department of Defense, Defense Technical Information Center, Cameron Station, Alexandria, VA.: Chinn, KSK.
- City of Ann Arbor (City of Ann Arbor, Michigan). (2015). 1,4-Dioxane and Pall Life Sciences/Gelman Sciences site. Available online at <http://www.a2gov.org/departments/systems-planning/planning-areas/climate-sustainability/pls/Pages/pls.aspx>
- Danish EPA (Danish Environmental Protection Agency). (2004). Survey of Chemical Substances in Consumer Products, No. 57 2005. Screening for health effects from chemical substances in textile colorants. In Danish Ministry of the Environment, Environmental Protection Agency. <http://www2.mst.dk/udgiv/publications/2005/87-7614-672-3/pdf/87-7614-673-1.pdf>
- Dawson, GW; Jennings, AL; Drozdowski, D; Rider, E. (1977). The acute toxicity of 47 industrial chemicals to fresh and saltwater fishes. *J Hazard Mater* 1: 303-318.
- Dennerlein, K; Jäger, T; Göen, T; Kilo, S; Schaller, KH; Drexler, H; Korinth, G. (2015). Evaluation of the effect of skin cleaning procedures on the dermal absorption of chemicals. *Toxicol In Vitro* 29: 828-833. <http://dx.doi.org/10.1016/j.tiv.2015.03.001>
- Dennerlein, K; Schneider, D; Göen, T; Schaller, KH; Drexler, H; Korinth, G. (2013). Studies on percutaneous penetration of chemicals - Impact of storage conditions for excised human skin. *Toxicol In Vitro* 27: 708-713. <http://dx.doi.org/10.1016/j.tiv.2012.11.016>
- Dourson, M; Reichard, J; Nance, P; Burleigh-Flayer, H; Parker, A; Vincent, M; McConnell, EE. (2014). Mode of action analysis for liver tumors from oral 1,4-dioxane exposures and evidence-based dose response assessment. *Regul Toxicol Pharmacol* 68: 387-401. <http://dx.doi.org/10.1016/j.yrtph.2014.01.011>
- Dow Chemical Co (Dow Chemical Company). (2007). MSDS FROTH-PAK* Polyurethane Foam System 1.75 25FS 60 GAL HFC. Available online at http://msdssearch.dow.com/PublishedLiteratureDOWCOM/dh_007e/0901b8038007eccc.pdf?filepath=pusystems/pdfs/noreg/741-60889.pdf&fromPage=GetDoc
- Dow Chemical Co (Dow Chemical Company). (2015). Comments of the Dow Chemical Company on the 1,4-Dioxane Problem Formulation and Initial Assessment (sanitized). (EPA-HQ-OPPT-2015-0078-0014.). Midland, MI: The Dow Chemical Company.
- EC (European Commission). (2004). Recommendation from the Scientific Committee on Occupational Exposure Limits for 1,4-dioxane. Employment, Social Affairs and Inclusion. <file:///C:/Users/26161/Saved%20Games/Downloads/SUM%20112%20new%20template%20WEB%20ready.pdf>
- ECHA (European Chemicals Agency). (2014). 1,4- Dioxane- Exp Key Short-term toxicity to aquatic invertebrates.001. [http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d865c9c-7196-7016-e044-00144f67d249/AGGR-a938cb19-a8f8-403c-b697-39809b6f39e7](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d865c9c-7196-7016-e044-00144f67d249/AGGR-a938cb19-a8f8-403c-b697-39809b6f39e7_DISS-9d865c9c-7196-7016-e044-00144f67d249.html#AGGR-a938cb19-a8f8-403c-b697-39809b6f39e7) (Accessed on September 25th, 2014).
- ECHA (European Chemicals Agency). (2014). 1,4- Dioxane- Exp Key Toxicity to aquatic algae and cyanobacteria.001. <http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d865c9c-7196-7016-e044-00144f67d249/AGGR-53633410-e60b-468e->

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- b5ac-ea6f1d47b733_DISS-9d865c9c-7196-7016-e044-00144f67d249.html#AGGR-53633410-e60b-468e-b5ac-ea6f1d47b733 (Accessed on September 25th, 2014).
- ECHA (European Chemicals Agency). (2014). 1,4- Dioxane- Exp Key Toxicity to terrestrial plants.001. http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d865c9c-7196-7016-e044-00144f67d249/AGGR-bac6d58d-d799-44df-8ca7-435282ca5d44_DISS-9d865c9c-7196-7016-e044-00144f67d249.html#GEN_DATA_SOURCE_HD (Accessed on September 25th, 2014).
- ECJRC (European Commission, Joint Research Centre). (2002). European Union risk assessment report: 1,4-dioxane. (EUR 19833 EN). Luxembourg: Office for Official Publications of the European Communities. <https://echa.europa.eu/documents/10162/a4e83a6a-c421-4243-a8df-3e84893082aa>
- Emmerich, SJ; Gorfain, JE; Howard-Reed, C. (2016). Air and Pollutant Transport from Attached Garages to Residential Living Spaces – Literature Review and Field Tests. *Int J Vent* 2: 265-276.
- FDA (U.S. Food and Drug Administration). (2007). 1,4-Dioxane- A Manufacturing Byproduct. Food and Drug Administration. <http://www.fda.gov/cosmetics/productsingredients/potentialcontaminants/ucm101566.htm>
- FDA (U.S. Food and Drug Administration). (2011). Guidance for Industry, Impurities: Residual Solvents in New Veterinary Medicinal Products, Active Substances and Excipients (Revision). In Center for Veterinary Medicine. (VICH GL18(R)). Food and Drug Administration. <http://www.fda.gov/downloads/animalveterinary/guidancecomplianceenforcement/guidanceforindustry/ucm052441.pdf>
- Fujiwara, T; Tamada, T; Kurata, Y; Ono, Y; Kose, T; Ono, Y; Nishimura, F; Ohtoshi, K. (2008). Investigation of 1,4-dioxane originating from incineration residues produced by incineration of municipal solid waste. *Chemosphere* 71: 894-901. <http://dx.doi.org/10.1016/j.chemosphere.2007.11.011>
- Geiger, DL; Brooke, LT; Call, DJ. (1990). Acute Toxicities of Organic Chemicals to Fathead Minnows (*Pimephales promelas*), Volume V. 332 p.
- Göen, T; von Helden, F; Eckert, E; Knecht, U; Drexler, H; Walter, D. (2016). Metabolism and toxicokinetics of 1,4-dioxane in humans after inhalational exposure at rest and under physical stress. *Arch Toxicol* 90: 1315-1324. <http://dx.doi.org/10.1007/s00204-015-1567-9>
- Guo, Z; Chang, JCS; Sparks, LE; Fortmann, RC. (1999). Estimation of the rate of VOC emissions from solvent-based indoor coating materials based on product formulation. *Atmos Environ* 33: 1205-1215. [http://dx.doi.org/10.1016/S1352-2310\(98\)00280-5](http://dx.doi.org/10.1016/S1352-2310(98)00280-5)
- Halden, RU. (2015). Epistemology of contaminants of emerging concern and literature meta-analysis. *J Hazard Mater* 282: 2-9. <http://dx.doi.org/10.1016/j.jhazmat.2014.08.074>
- Hansch, C; Leo, A; Hoekman, D. (1995). Exploring QSAR: Hydrophobic, electronic, and steric constants. In C Hansch; A Leo; DH Hoekman (Eds.), *Exploring QSAR: Hydrophobic, Electronic, and Steric Constants*. Washington, DC: American Chemical Society.
- Hansen, O. (2005). Screening for health effects from chemical substances in textile colorants. 57.
- Haynes, WM. (2014). CRC handbook of chemistry and physics. In WM Haynes (Ed.), (95 ed.). Boca Raton, FL: CRC Press. <http://www.hbcpnetbase.com/>
- Health Canada. (2009). Cosmetic Notification System [Proprietary Database]. Available online
- Health Canada. (2010). Screening Assessment for the Challenge: 1,4-Dioxane. Environment Canada, Health Canada. http://www.ec.gc.ca/ese-ees/789BC96E-F970-44A7-B306-3E32419255A6/batch7_123-91-1_en.pdf
- HHS (U.S. Department of Health and Human Services). (2009). Household products database [Database]. Bethesda, MD: National Institutes of Health. Retrieved from <http://householdproducts.nlm.nih.gov/about.htm>
- HHS (U.S. Department of Health and Human Services). (2009). P-Dioxane RTECS #: JG8225000. Registry of Toxic Effects of Chemical Substances (RTECS, online database). In National Toxicology Information Program, National Library of Medicine. Bethesda, MD: Department of Health and Human Services.
- Hillier, K; King, D; Henneuse, C. (2009). Study of odours coming out of polyurethane flexible foam mattresses. *Cell Polym* 28: 113-144.
- Hodgson, A; Levin, H. (2003). Volatile organic compounds in indoor air: A review of concentrations measured in North America since 1990.
- Howard, PH. (1990). Handbook of environmental fate and exposure data for organic chemicals: Volume II: Solvents. Syracuse, NY: CRC Press.
- Howard-Reed, C; Corsi, RL. (2000). Volatilization Rates from Water to Indoor Air Phase 2. (NTIS/02935941_a). Howard-Reed, C; Corsi, RL.
- IARC (International Agency for Research on Cancer). (1976). Cadmium, nickel, some epoxides, miscellaneous industrial chemicals and general considerations on volatile anaesthetics. Lyon, France: World Health Organization. <http://monographs.iarc.fr/ENG/Monographs/vol11/volume11.pdf>
- IARC (International Agency for Research on Cancer). (1999). IARC monographs on the evaluation of carcinogenic risks to humans: Re-evaluation of some organic chemicals, hydrazine and hydrogen peroxide [IARC Monograph]. Lyon, France: World Health Organization.
- ICCR (International Cooperation on Cosmetics Regulation). (2012). Considerations on acceptable trace level of 1,4-dioxane in cosmetic products. Report of the ICCR Working Group.
- ICCR (International Cooperation on Cosmetics Regulation). (2017). Considerations on acceptable trace level of 1,4-dioxane in cosmetic products, final report. Report of the ICCR Working Group. http://www.iccrnet.org/files/2414/8717/1555/ICCR_14-Dioxane_Final_2017.pdf
- Icynene. (2013). MSDS Icynene MD-C-200W. Available online at <http://www.icynene.com/fbdocs/MDC200WResin-Jan172013.pdf>
- Icynene. (2013). MSDS: Icynene MD-C-200W Resin. (February 25, 2016). Icynene. <http://www.icynene.com/fbdocs/MDC200WResin-Jan172013.pdf>
- Isaacson, C; Mohr, TKG; Field, JA. (2006). Quantitative determination of 1,4-dioxane and tetrahydrofuran in groundwater by solid phase extraction GC/MS/MS. *Environ Sci Technol* 40: 7305-7311. <http://dx.doi.org/10.1021/es0615270>
- Jayjock, MA. (1994). Back Pressure Modeling of Indoor Air Concentrations from Volatilizing Sources. *Am Ind Hyg Assoc J* 55: 230-235.

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- Jensen, J; Rölfing, JH; Le, DQ; Kristiansen, AA; Nygaard, JV; Hokland, LB; Bendtsen, M; Kassem, M; Lysdahl, H; Bünger, CE. (2014). Surface-modified functionalized polycaprolactone scaffolds for bone repair: in vitro and in vivo experiments. *J Biomed Mater Res A* 102: 2993-3003. <http://dx.doi.org/10.1002/jbm.a.34970>
- Johnson, R; Tietge, J; Stokes, G; Lothenbach, D. (1993). The Medaka Carcinogenesis Model. 147, 172 (U.S.NTIS AD-A272667).
- Juhász, ML; Marmur, ES. (2014). A review of selected chemical additives in cosmetic products [Review]. *Dermatol Ther* 27: 317-322. <http://dx.doi.org/10.1111/dth.12146>
- Karlovich, B; Thompson, C; Lambach, J. (2011). A Proposed Methodology for Development of Building Re-Occupancy Guidelines Following Installation of Spray Polyurethane Foam Insulation - Revision. Pittsburgh, PA: Bayer Material Science. <https://www.pharosproject.net/uploads/files/sources/1221/5be64ae6180cb64590e6b7db69d2666c1f5d702f.pdf>
- Klepeis, NE; Nelson, WC; Ott, WR; Robinson, JP; Tsang, AM; Switzer, P; Behar, JV; Hern, SC; Engelmann, WH. (2001). The National Human Activity Pattern Survey (NHAPS): A resource for assessing exposure to environmental pollutants. *J Expo Anal Environ Epidemiol* 11: 231-252. <http://dx.doi.org/10.1038/sj.jea.7500165>
- Kwon, K, iD; Jo, W; Lim, H; Jeong, W. (2007). Characterization of emissions composition for selected household products available in Korea. *J Hazard Mater* 148: 192-198. <http://dx.doi.org/10.1016/j.jhazmat.2007.02.025>
- Kwon, KD; Jo, WK. (2007). Indoor Emission Characteristics of Liquid Household Products using Purge - and - Trap Method. 12: 203-210.
- Levin, H; Hodgson, A. (2006). VOC concentrations of interest in North American offices and homes (pp. 233-238). *Proceedings Healthy Buildings*: Levin, H; Hodgson, A. http://www.buildingecology.net/index_files/publications/VOCConclnterestNorthAmerican.pdf
- Lewis, RJ, Sr. (2000). Sax's dangerous properties of industrial materials. In *Sax's Dangerous Properties of Industrial Materials* (10 ed.). New York, NY: John Wiley & Sons, Inc.
- Lewis, WK; Whitman, WG. (1924). Principles of Gas Absorption. *Industrial & Engineering Chemistry* 16: 1215-1220.
- Lyman, WJ; Reehl, WF; Rosenblatt, DH. (1982). Handbook of chemical property estimation methods: Environmental behavior of organic compounds. Washington, DC: American Chemical Society. http://openlibrary.org/b/OL1848730M/Handbook_of_chemical_property_estimation_methods
- Makino, R; Kawasaki, H; Kishimoto, A; Gamo, M; Nakanishi, J. (2006). Estimating health risk from exposure to 1,4-dioxane in Japan. *Environ Sci* 13: 43-58.
- Manville, J. (2011). MSDS JM Corbond (B) Resin. Available online at <http://www.buildsite.com/pdf/johnsmanville/JM-Corbond-III-SPF-MSDSSDS-593190.pdf>
- MDH (Minnesota Department of Health). (2013). Chemicals of high concern list. Available online at <http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/chclist/mdhchc2013.pdf>
- Mohr, T, Stickney, J., DiGiuseppi, W. (2010). Environmental Investigation and Remediation. In *Environmental Investigation and Remediation: 1, 4-Dioxane and other Solvent Stabilizers*. Boca Raton, FL: CRC Press.
- Mueller. (2008). MSDS Whizzer® Cleaner and Disinfectant. Mueller Sports Medicine Inc. <http://www.westliberty.edu/health-and-safety/files/2012/08/Whizzer.pdf>
- Mueller. (2014). Whizzer Cleaner and Disinfectant. Available online at http://info.muellersportsmed.com/hs-fs/hub/205286/file-1618761217-pdf/docs/Mueller_Sports_Medicine_Whizzer.pdf
- NICNAS (National Industrial Chemicals Notification and Assessment Scheme). (1998). 1, 4-Dioxane. Priority existing chemical assessment report No. 7. Canberra, ACT: National Occupational Health and Safety Commission, Commonwealth of Australia. <https://www.nicnas.gov.au/chemical-information/pec-assessments>
- NIH (National Institutes of Health). (2006). Hazardous Substances Database (HSDB): 1,4-Dioxane. Available online at <http://toxnet.nlm.nih.gov/cgi-bin/sis/search2/r?dbs+hsdb:@term+@rn+@rel+123-91-1>
- NIOSH (National Institute for Occupational Safety and Health). (1994). Dioxane. Available online at <http://www.cdc.gov/niosh/idlh/123911.html>
- NIOSH (National Institute for Occupational Safety and Health). (2014). In-depth survey report: Spray polyurethane foam chemical exposures during spray application, All About Kids, Crestwood, KY. Louisville, KY: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health. <http://www.cdc.gov/niosh/surveyreports/pdfs/005-163.pdf>
- NLM (National Institutes of Health, National Library of Medicine). (2015). Household Products Database (HPD). Available online at <http://www.householdproducts.nlm.nih.gov/>
- NTP (National Toxicology Program). (2014). Report on carcinogens. Thirteenth edition. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service.
- NTP (National Toxicology Program). (2016). 14th Report On Carcinogens. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/pubhealth/roc/index-1.html>
- OCA (Organic Consumer Association). (2009). Results of testing for 1, 4-dioxane by gas chromatography/mass spectrometry. <http://www.organicconsumers.org/bodycare/DioxaneResults09.pdf>
- OECD (Organisation for Economic Co-operation and Development). (1999). Screening information dataset (SIDS) initial assessment profile: 1,4 Dioxane. <http://webnet.oecd.org/Hpv/UI/handler.axd?id=59ef0859-2583-4a94-ab54-00fcab06d81c>
- OECD (Organisation for Economic Co-operation and Development). (2011). Emission Scenario Document on Coating Application via Spray-Painting in the Automotive Refinishing Industry. In *OECD Environmental health and safety publications Series on emission scenario documents Emission scenario document on coating and application via spray painting in the automotive refinishing industry Number 11*. (ENV/JM/MONO(2004)22). Organization for Economic Cooperation and Development. [http://www.oecd.org/officialdocuments/publicdisplaydocumentpdf/?cote=env/jm/mono\(2004\)22&doclanguage=en](http://www.oecd.org/officialdocuments/publicdisplaydocumentpdf/?cote=env/jm/mono(2004)22&doclanguage=en)

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- OECD (Organisation for Economic Co-operation and Development). (2015). Emission scenario document (ESD) on the use of adhesives. In Series on Emission Scenario Documents No 34. (ENV/JM/MONO(2015)4). Paris: ENVIRONMENT DIRECTORATE JOINT MEETING OF THE CHEMICALS COMMITTEE AND THE WORKING PARTY ON CHEMICALS, PESTICIDES AND BIOTECHNOLOGY. [http://www.oecd.org/officialdocuments/publicdisplaydocumentpdf/?cote=ENV/JM/MONO\(2015\)4&doclanguage=en](http://www.oecd.org/officialdocuments/publicdisplaydocumentpdf/?cote=ENV/JM/MONO(2015)4&doclanguage=en)
- OEHHA (California Office of Environmental Health Hazard Assessment). (2014). Chemicals known to the state to cause cancer or reproductive toxicity. In State of California Environmental Protection Agency, Safe Drinking Water and Toxic Enforcement Act of 1986. Sacramento, CA: California Environmental Protection Agency. http://oehha.ca.gov/prop65/prop65_list/files/P65single060614.pdf
- Old World (Old World Industries Inc.). (2003). MSDS Peak® Global Extended Life Antifreeze & Coolant. Available online at <http://www.scfuels.com/specsheets/SCFuels/PEAKS%20GLOBAL%20EXTENDED%20LIFE%20AF.pdf>
- O'Neil, MJ; Heckelman, PE; Koch, CB. (2006). The Merck index: An encyclopedia of chemicals, drugs, and biologicals (14th ed.). Whitehouse Station, NJ: Merck & Co.
- OSHA (Occupational Safety & Health Administration). (2005). Chemical Sampling Information: Dioxane. Retrieved from https://www.osha.gov/dts/chemicalsampling/data/CH_237200.html
- OSHA (Occupational Safety & Health Administration). (2014). Chemical Exposure Health Data for 1,4-Dioxane (2000-2014). Occupational Safety and Health Administration. <https://www.osha.gov/opengov/healthsamples.html>
- Pall Corporation. (2004). Final Feasibility Study & Proposed Interim Response Plan For The Unit E Plume (pp. 5, 10). Pall Corporation. http://www.michigan.gov/documents/deq/deq-rrd-GS-GelmanSciencesFSTextCh1-2_287073_7.pdf
- Pellizzari, ED; Hartwell, TD; Perritt, RL; Sparacino, CM; Sheldon, LS; Zelon, HS; Whitmore, RW; Breen, JJ; Wallace, L. (1986). Comparison of indoor and outdoor residential levels of volatile organic chemicals in five US geographical areas. *Environ Int* 12: 619-623.
- Phipps, G. DMNS – Education and Collections Facility. (Phipps' Job #: 10J1968). Denver, CO: Phipps, G.
- Pine Glo. (2010). MSDS Pine Glo Antibacterial Kitchen & Bathroom Cleaner & Disinfectant. Available online at http://www.kellysolutions.com/erenewals/documentssubmit/KellyData/OK/pesticide/MSDS/49827/6836-152-49827/6836-152-49827_Antibacterial_Lemon_Fresh_Pine_Glo_Kitchen___Bathroom_Cleaner_of_Disinfectant_8_23_2010_10_36_51_AM.pdf
- Pine Glo. (2010). Pine Glo Kitchen & Bathroom Cleaner & Disinfectant. Pine Glo Products, Inc. http://www.kellysolutions.com/erenewals/documentssubmit/KellyData/OK/pesticide/Product%20Label/49827/6836-152-49827/6836-152-49827_Antibacterial_Lemon_Fresh_Pine_Glo_Kitchen___Bathroom_Cleaner_of_Disinfectant_8_23_2010_10_36_42_AM.pdf
- Reynolds, T. (1989). Comparative Effects of Heterocyclic Compounds on Inhibition of Lettuce Fruit Germination. *J Exp Bot* 40: 391-404 (OECDG Data File). <http://dx.doi.org/10.1093/jxb/40.3.391>
- Rial-Hermida, MI; Oliveira, NM; Concheiro, A; Alvarez-Lorenzo, C; Mano, JF. (2014). Bioinspired superamphiphobic surfaces as a tool for polymer- and solvent-independent preparation of drug-loaded spherical particles. *Acta Biomater* 10: 4314-4322. <http://dx.doi.org/10.1016/j.actbio.2014.06.009>
- Sanders, RE; Kearney, CM; Buckley, CT; Jenner, F; Brama, PA. (2015). Knot Security of 5 Metric (USP 2) Sutures: Influence of Knotting Technique, Suture Material, and Incubation Time for 14 and 28 Days in Phosphate Buffered Saline and Inflamed Equine Peritoneal Fluid. *44: 723-730*. <http://dx.doi.org/10.1111/vsu.12333>
- Sapphire Group (Sapphire Group Inc.). (2007). Voluntary Children's Chemical Evaluation Program [VCCEP]. Tiers 1, 2, and 3 Pilot Submission For 1,4-Dioxane. Cleveland, OH: Sponsored by Ferro Corporation, Inc. <http://www.tera.org/Peer/VCCEP/p-Dioxane/p-Dioxane%20Submission.pdf>
- Scalia, S; Menegatti, E. (1991). Assay of 1,4-dioxane in commercial cosmetic products by HPLC. *Farmaco* 46: 1365-1370.
- Sexton, K; Linder, SH; Marko, D; Bethel, H; Lupo, PJ. (2007). Comparative assessment of air pollution-related health risks in Houston. *Environ Health Perspect* 115: 1388-1393. <http://dx.doi.org/10.1289/ehp.10043>
- Simonich, SM; Sun, P; Casteel, K; Dyer, S; Wernery, D; Garber, K; Carr, G; Federle, T. (2013). Probabilistic analysis of risks to US drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integr Environ Assess Manag* 9: 554-559. <http://dx.doi.org/10.1002/ieam.1448>
- Skadsen, JM; Rice, BL; Meyering, DJ. (2004). The Occurrence and Fate of Pharmaceuticals, Personal Care Products and Endocrine Disrupting Compounds in a Municipal Water Use Cycle: A Case Study in the City of Ann Arbor. In City of Ann Arbor, Water Utilities and Fleis & VandenBrink Engineering, Inc. Ann Arbor, MI: Skadsen, JM; Rice, BL; Meyering, DJ. http://www.a2gov.org/departments/water-treatment/Documents/Archive/PPCP_Study_November_2004.pdf
- Stachowiak-Wencek, A; Pradzynski, W; Matenko-Nozownik, M. (2014). EMISSION OF VOLATILE ORGANIC COMPOUNDS (VOC) FROM UV-CURED WATER-BASED LACQUER PRODUCTS. *Drewno* 57: 87-97. <http://dx.doi.org/10.12841/wood.1644-3985.080.06>
- Steinemann, A. (2015). Volatile emissions from common consumer products. *Air Qual Atmos Health* 8: 273-281. <http://dx.doi.org/10.1007/s11869-015-0327-6>
- Steinemann, AC; Gallagher, LG; Davis, A; Macgregor, I. (2013). Chemical emissions from residential dryer vents during use of fragranced laundry products. *Air Qual Atmos Health* 6: 151-156. <http://dx.doi.org/10.1007/s11869-011-0156-1>
- Steinemann, AC; Macgregor, IC; Gordon, SM; Gallagher, LG; Davis, AL; Ribeiro, DS; Wallace, LA. (2011). Fragranced consumer products: Chemicals emitted, ingredients unlisted. *Environ Impact Assess Rev* 31: 328-333. <http://dx.doi.org/10.1016/j.ear.2010.08.002>
- Stepien, DK; Diehl, P; Helm, J; Thoms, A; Püttmann, W. (2014). Fate of 1,4-dioxane in the aquatic environment: from sewage to drinking water. *Water Res* 48: 406-419. <http://dx.doi.org/10.1016/j.watres.2013.09.057>
- Surprenant, K, S. (2000). Dioxane. In Ullmann's Encyclopedia of Industrial Chemistry. New York, NY: John Wiley and Sons.
- Tahara, M; Obama, T; Ikarashi, Y. (2013). Development of analytical method for determination of 1,4-dioxane in cleansing products. *Int J Cosmet Sci* 35: 575-580. <http://dx.doi.org/10.1111/ics.12079>

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- Tanabe, A; Kawata, K. (2008). Determination of 1,4-dioxane in household detergents and cleaners. *J AOAC Int* 91: 439-444.
- The World Book Encyclopedia. (1983). Detergent and Soap. Retrieved from <http://hypertextbook.com/facts/2005/VirginiaAllard.shtml>
- The World Book Encyclopedia. (1983). Detergent and Soap. As cited on <http://hypertextbook.com/facts/2005/VirginiaAllard.shtml>, accessed on March 1, 2016. In *The World Book Encyclopedia, International Edition*.
- TSCATS. (1989). OTS0000719, New Doc. I.D. FYI-OTS-1089-0719, 17.10.1989, Dow Chemical Co., D004057, 0158-0179. [Cited in ECHA 2002]. TSCATS.
- U.S. EPA (U.S. Environmental Protection Agency). (1987). Household Solvent Products: A National Usage Survey. In Prepared for Office of Toxic Substances, Office of Pesticides and Toxic Substances, US Environmental Protection Agency. Washington, DC.
- U.S. EPA (U.S. Environmental Protection Agency). (1995). Estimation of distributions for residential air exchange rates: Final report. In Estimation of distributions for residential air exchange rates. (Document No. 600R95180). Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics.
<http://nepis.epa.gov/Exe/ZyNET.exe/910063GS.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1995+Thru+1999&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C95thru99%5Ctxt%5C00000025%5C910063GS.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p%7Cf&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>
- U.S. EPA (U.S. Environmental Protection Agency). (1998). Guidelines for ecological risk assessment [EPA Report]. (EPA/630/R-95/002F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www.epa.gov/raf/publications/guidelines-ecological-risk-assessment.htm>
- U.S. EPA (U.S. Environmental Protection Agency). (1999). Integrated Risk Information System (IRIS) on 1,4-Dioxane. In National Center for Environmental Assessment, Office of Research and Development. Washington, DC: Environmental Protection Agency.
- U.S. EPA (U.S. Environmental Protection Agency). (2000). 1,4-Dioxane Hazard Summary. Available online at <https://www.epa.gov/sites/production/files/2016-09/documents/1-4-dioxane.pdf>
- U.S. EPA (U.S. Environmental Protection Agency). (2000). Science policy council handbook: Risk characterization (pp. 1-189). (EPA/100/B-00/002). Washington, D.C.: U.S. Environmental Protection Agency, Science Policy Council. <https://www.epa.gov/risk/risk-characterization-handbook>
- U.S. EPA (U.S. Environmental Protection Agency). (2003). The Feasibility of Performing Cumulative Risk Assessments for Mixtures of Disinfection By-Products in Drinking Water. (EPA/600/R-03/051). Cincinnati, OH: Environmental Protection Agency, National Center for Environmental Assessment. https://cfpub.epa.gov/si/si_public_record_report.cfm?dirEntryId=56834
- U.S. EPA (U.S. Environmental Protection Agency). (2005). Guidelines for carcinogen risk assessment [EPA Report] (pp. 1-166). (EPA/630/P-03/001F). Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. <http://www2.epa.gov/osa/guidelines-carcinogen-risk-assessment>
- U.S. EPA (U.S. Environmental Protection Agency). (2005). Interim Acute Exposure Guideline Levels (AEGs) 1,4-Dioxane. Washington, DC: NAS/COT Subcommittee for AEGs. <https://www.epa.gov/aegl/14-dioxane-results-aegl-program>
- U.S. EPA (U.S. Environmental Protection Agency). (2005). Quantification of Exposure-Related Water Uses for Various U.S. Subpopulations. In Office of Research and Development, Washington, DC. (EPA/600/R-06/003). US Environmental Protection Agency.
- U.S. EPA (U.S. Environmental Protection Agency). (2006). Exposures and Internal Doses of Trihalomethanes in Humans: Multi-Route Contributions from Drinking Water (Final). (EPA/600/R-06/087). Washington, DC: Environmental Protection Agency, Office of Research and Development. <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=153303&CFID=61270257&CFTOKEN=83577042.pdf>
- U.S. EPA (U.S. Environmental Protection Agency). (2006). A framework for assessing health risk of environmental exposures to children (pp. 1-145). (EPA/600/R-05/093F). Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=158363>
- U.S. EPA (U.S. Environmental Protection Agency). (2006). Non-Confidential 1988-2002 Inventory Update Reporting (IUR) Production Volume data. Available online at <http://www.epa.gov/cdr/tools/data/2002-vol.html>
- U.S. EPA (U.S. Environmental Protection Agency). (2006). Treatment Technologies for 1,4-Dioxane: Fundamentals and Field Applications. (EPA-542-R-06-009). Environmental Protection Agency, Office of Solid Waste and Emergency Response. http://costperformance.org/remediation/pdf/EPA-Treatment_of_1,4-Dioxane.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2009). Interpretive Assistance Document for Assessment of Discrete Organic Chemicals - Sustainable Futures Summary Assessment - Updated September 2009. Environmental Protection Agency. http://www.epa.gov/opptintr/sf/pubs/iad_discretres_092009.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2010). Multi-chamber concentration and exposure model (MCCEM) version 1.2. Available online at <https://www.epa.gov/tsca-screening-tools/multi-chamber-concentration-and-exposure-model-mccem-version-12>
- U.S. EPA (U.S. Environmental Protection Agency). (2010). Non-Confidential 2006 Inventory Update Reporting (IUR). Available online at http://cfpub.epa.gov/iursearch/2006_iur_companyinfo.cfm?chemid=3705&outchem=both
- U.S. EPA (U.S. Environmental Protection Agency). (2010). Toxicological review of 1,4-Dioxane (CAS No. 123-91-1) in support of summary information on the Integrated Risk Information System (IRIS) [EPA Report]. (EPA-635/R-09-005-F). Washington, DC. <http://www.epa.gov/iris/toxreviews/0326tr.pdf>
- U.S. EPA (U.S. Environmental Protection Agency). (2010). TSCA New Chemicals Program (NCP) chemical categories. <http://www.epa.gov/oppt/newchemicals/pubs/npcchemicalcategories.pdf>

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- U.S. EPA (U.S. Environmental Protection Agency). (2011). Exposure factors handbook: 2011 edition (final). (EPA/600/R-090/052F). Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recorddisplay.cfm?deid=236252>
- U.S. EPA (U.S. Environmental Protection Agency). (2012). 2012 Chemical data reporting results. Available online at <https://www.epa.gov/chemical-data-reporting/2012-chemical-data-reporting-results>
- U.S. EPA (U.S. Environmental Protection Agency). (2012). 2012 Edition of the drinking water standards and health advisories [EPA Report]. (EPA/822/S-12/001). Washington, DC: U.S. Environmental Protection Agency, Office of Water. <http://www.epa.gov/sites/production/files/2015-09/documents/dwstandards2012.pdf>
- U.S. EPA (U.S. Environmental Protection Agency). (2012). Estimation Programs Interface Suite™ for Microsoft® Windows, v 4.11. Available online at <http://www.epa.gov/opptintr/exposure/pubs/episuite.htm>
- U.S. EPA (U.S. Environmental Protection Agency). (2012). Formaldehyde from Composite Wood Products: Exposure Assessment. Final Report. In Exposure Assessment Branch, Economics, Exposure and Technology Division, Office of Pollution Prevention and Toxics, Office of Chemical Safety and Pollution Prevention. US Environmental Protection Agency.
- U.S. EPA (U.S. Environmental Protection Agency). (2012). Non-Confidential 2012 Chemical Data Reporting (CDR). Available online at http://java.epa.gov/oppt_chemical_search/
- U.S. EPA (U.S. Environmental Protection Agency). (2012). US EPA TRI Explorer query for 1,4-Dioxane for 2012 reporting. Available online at http://iaspub.epa.gov/triexplorer/tri_release.chemical
- U.S. EPA (U.S. Environmental Protection Agency). (2013). Chemical Data Reporting: Factors to Consider when Using the CDR Database. Available online at <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100G08Q.TXT>
- U.S. EPA (U.S. Environmental Protection Agency). (2013). Interpretive assistance document for assessment of discrete organic chemicals. Sustainable futures summary assessment [EPA Report]. Washington, DC. http://www.epa.gov/sites/production/files/2015-05/documents/05-iad_discretes_june2013.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2013). Toxicological review of 1,4-Dioxane (CAS No. 123-91-1) with Inhalation Update. In Integrated Risk Information System (IRIS). (EPA-635/R-09-005-F). Washington, DC: Environmental Protection Agency. https://cfpub.epa.gov/ncea/iris/iris_documents/documents/toxreviews/0326tr.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2013). Toxicological review of 1,4-Dioxane (with inhalation update) (CAS No. 123-91-1) in support of summary information on the Integrated Risk Information System (IRIS) [EPA Report]. (EPA-635/R-11/003-F). Washington, DC.
- U.S. EPA (U.S. Environmental Protection Agency). (2014). Framework for Human Health Risk Assessment to Inform Decision Making. (EPA/100/R-14/001). Washington, DC: Environmental Protection Agency, Office of the Science Advisor. <https://www.epa.gov/sites/production/files/2014-12/documents/hhra-framework-final-2014.pdf>
- U.S. EPA (U.S. Environmental Protection Agency). (2014). Technical Fact Sheet - 1,4-Dioxane. In Office of Solid Waste and Emergency Response. (EPA 505-F-14-011). Environmental Protection Agency. http://www2.epa.gov/sites/production/files/2014-03/documents/ffro_factsheet_contaminant_14-dioxane_january2014_final.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2014). The Third Unregulated Contaminant Monitoring Rule (UCMR 3): Data Summary. (EPA 815-S-14-004). Environmental Protection Agency. <http://www.moorestown.nj.us/DocumentCenter/Home/View/242>
- U.S. EPA (U.S. Environmental Protection Agency). (2014). TSCA Work Plan Chemical Risk Assessment, Methylene Chloride: Paint Stripping Use. (740-R1-4003). Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention. https://www.epa.gov/sites/production/files/2015-09/documents/dcm_opptworkplanra_final.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2015). Air Quality System (AQS). Available online at <http://www.epa.gov/aqs>
- U.S. EPA (U.S. Environmental Protection Agency). (2015). EPA National Air Toxics Assessment Data. Available online at <http://www.epa.gov/national-air-toxics-assessment>
- U.S. EPA (U.S. Environmental Protection Agency). (2015). EPA Risk-Screening Environmental Indicators (RSEI) Model-Toxics Release Inventory (TRI) data. Available online at <http://www.epa.gov/rsei>
- U.S. EPA (U.S. Environmental Protection Agency). (2015). The Third Unregulated Contaminant Monitoring Rule (UCMR 3): Data Summary. Environmental Protection Agency. <http://www.epa.gov/dwucmr/third-unregulated-contaminant-monitoring-rule>
- U.S. EPA (U.S. Environmental Protection Agency). (2015). TSCA Work Plan Chemical Problem Formulation and Initial Assessment. 1,4-Dioxane. (740-R1-5003). Washington, DC: Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention. <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100MDC1.TXT>
- U.S. EPA (U.S. Environmental Protection Agency). (2016). CPCat (Chemical and Product Categories) [Database]. Retrieved from <https://www.epa.gov/chemical-research/chemical-and-product-categories-cpcat>
- U.S. EPA (U.S. Environmental Protection Agency). (2016). Default Mid-Range Value of Exposed Working Years for Worker Exposure Assessment. In OPPT, Risk Assessment Division. Washington, DC: Environmental Protection Agency.
- U.S. EPA (U.S. Environmental Protection Agency). (2016). Instructions for reporting 2016 TSCA chemical data reporting. <https://www.epa.gov/chemical-data-reporting/instructions-reporting-2016-tsca-chemical-data-reporting>
- U.S. EPA (U.S. Environmental Protection Agency). (2016). Public database 2016 chemical data reporting (May 2017 release). Washington, DC: US Environmental Protection Agency, Office of Pollution Prevention and Toxics. Retrieved from <https://www.epa.gov/chemical-data-reporting>
- U.S. EPA (U.S. Environmental Protection Agency). (2016). Weight of evidence in ecological assessment. (EPA100R16001). Washington, DC: Office of the Science Advisor. https://cfpub.epa.gov/si/si_public_record_report.cfm?dirEntryId=335523

OPPT Risk Assessment, Problem Formulation or Scope Document

On Topic

- U.S. EPA (U.S. Environmental Protection Agency). (2017). Internal communication. Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics.
- U.S. EPA (U.S. Environmental Protection Agency). (2017). Preliminary information on manufacturing, processing, distribution, use, and disposal: 1,4 Dioxane. (EPA-HQ-OPPT-2016-0723). Office of Pollution Prevention and Toxics (OPPT), Office of Chemical Safety and Pollution Prevention (OCSPP). file:///C:/Users/26161/Saved%20Games/Downloads/EPA-HQ-OPPT-2016-0723-0003.pdf
- U.S. EPA (U.S. Environmental Protection Agency). (2017). Toxics Release Inventory (TRI). Retrieved from <https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>
- USGS (U.S. Geological Survey). (2002). Geohydrology, Water Quality, and Simulation of Ground-Water Flow in the Vicinity of a Former Waste-Oil Refinery near Westville, Indiana, 1997–2000. (Water-Resources Investigations Report 01-4221). Indianapolis, Indiana: U.S. Department of the Interior. <https://in.water.usgs.gov/newreports/camor.pdf>
- Verschuren, K. (2009). Handbook of Environmental Data on Organic Chemicals Fifth Ed: Wiley & Sons, Inc. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0470171731.html>
- Villanueva, CM; Kogevinas, M; Cordier, S; Templeton, MR; Vermeulen, R; Nuckols, JR; Nieuwenhuijsen, MJ; Levallois, P. (2014). Assessing exposure and health consequences of chemicals in drinking water: Current state of knowledge and research needs [Review]. *Environ Health Perspect* 122: 213-221. <http://dx.doi.org/10.1289/ehp.1206229>
- Walker, IS; Forest, TW; Wilson, DJ. (2005). An attic-interior infiltration and interzone transport model of a house. *Build Environ* 40: 701-718. <http://dx.doi.org/10.1016/j.buildenv.2004.08.002>
- West Development Group. (2008). 3009-3 Spray Polyurethane Foam MSDS. Available online at <http://www.sprayfoamnation.com/wordpress/wp-content/uploads/2012/11/3009-3-MSDS.pdf>
- WHO (World Health Organization). (2005). 1,4-Dioxane in drinking water. (WHO/SDE/WSH/05.08/120). Geneva, Switzerland.
- Wissenbach, DK; Winkler, B; Otto, W; Kohajda, T; Roeder, S; Mueller, A; Hoeke, H; Matysik, S; Schlink, U; Borte, M; Herbarth, O; Lehmann, I; Von-Bergen, M. (2016). Long-term indoor VOC concentrations assessment a trend analysis of distribution, disposition, and personal exposure in cohort study samples. *Air Qual Atmos Health* 9: 941-950. <http://dx.doi.org/10.1007/s11869-016-0396-1>
- Witkowska Nery, E; Jastrzębska, E; Żukowski, K; Wróblewski, W; Chudy, M; Ciosek, P. (2014). Flow-through sensor array applied to cytotoxicity assessment in cell cultures for drug-testing purposes. *Biosens Bioelectron* 51: 55-61. <http://dx.doi.org/10.1016/j.bios.2013.07.023>
- Wizard, E. (2011). MSDS Enzyme Wizard - No Rinse Floor Cleaner. Enzyme Wizard Pty. Ltd. Australia. <http://statewideclean.com.au/wp-content/uploads/2013/05/EW-No-Rinse-Floor-Cleaner.pdf>
- WSDE (Washington State Department of Ecology). (2013). The reporting list of chemicals of high concern to children. Available online at <http://www.ecy.wa.gov/programs/hwtr/RTT/cspa/chcc.html>
- Yalkowsky, S; He, Y. (2003). Handbook of Aqueous Solubility Data (pp 117). Boca Raton, FL: CRC Press. <https://www.crcpress.com/Handbook-of-Aqueous-Solubility-Data/Yalkowsky/p/book/9780203490396>

Gray Literature Search Results

Gray literature is defined as the broad category of studies not found in standard, peer-reviewed literature databases (e.g., PubMed). Gray literature includes studies that are difficult to find in conventional bibliographic databases and includes references such as white papers, conference proceedings, technical reports, reference books, dissertations and information on various stakeholder websites.

The gray literature search results are currently contained in this document and in Excel spreadsheets. EPA is considering whether to manually develop EndNote citations for *on topic* gray literature results. This section lists abbreviated information for each citation, including a link to the reference. Full gray literature search results are presented in the *Gray Literature Excel Spreadsheet: 1,4-Dioxane*.

Note: Gray Lit Results provided as a second PDF.

Legend for Gray Literature Bibliography Columns

Source		A brief description of the gray literature source that was searched	
General Information About Result	URL	The web address of the search result URL	
	Annotation	An brief description of the search result	
Subject-Matter Tags	Engineering	On topic	An "x" indicates the reference is on topic for the engineering/occupational exposure topic area
		Off topic	An "x" indicates the reference is off topic for the engineering/occupational exposure topic area
	Fate	On topic	An "x" indicates the reference is on topic for the fate topic area
		Off topic	An "x" indicates the reference is off topic for the fate topic area
	Exposure	On topic	An "x" indicates the reference is on topic for the exposure topic area
		Off topic	An "x" indicates the reference is off topic for the exposure topic area
	Human Health	On topic	An "x" indicates the reference is on topic for the human health topic area
		Off topic	An "x" indicates the reference is off topic for the human health topic area
Notes		Any notes about the search result, including a note about search results that were not tagged to individual topic areas but are considered "on topic" overall	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Drinking Water Standards and Health Advisories	https://www.epa.gov/sites/production/files/2015-09/documents/dwstandards2012.pdf	2012 drinking water standards and health advisories		X		X	X			X	
Office of Water: STORET and WQX	https://www.epa.gov/waterdata/storage-and-retrieval-and-water-quality-exchange	Data downloaded from STORET database		X		X	X			X	
Office of Air Quality Planning and Standards (OAQPS)	https://www3.epa.gov/airquality/ctg_act/197812_voc_epa450_2-78-030_rubber_tires.pdf			X		X		X		X	
Office of Air Quality Planning and Standards (OAQPS)	https://www3.epa.gov/airquality/ctg_act/199404_voc_(nrtd)_industrial_wastewater(aci).pdf	Industrial Wastewater Alternative Control Technology	X			X		X		X	
Office of Air Quality Planning and Standards (OAQPS)	https://www3.epa.gov/airquality/ctg_act/197812_voc_epa450_2-78-029_pharmaceutical_products.pdf	from Manufacture of Synthesized Pharmaceutical Products	X			X		X		X	
Office of Air Quality Planning and Standards (OAQPS)	https://www3.epa.gov/airquality/ctg_act/197711_voc_epa450_2-77-022_solvent_metal_cleaning.pdf			X		X		X		X	
Office of Air: Ambient Water Quality Criteria documents	https://www.epa.gov/wqc/national-recommended-water-quality-criteria-aquatic-life-criteria-table			X		X		X		X	
Office of Air: HAPS	https://www.epa.gov/haps/initial-list-hazardous-air-pollutants-modifications	Initial List of Hazardous Air Pollutants with Modifications \		X		X		X		X	
Office of Air: NESHAP	www.epa.gov/technical-air-pollution-resources			X		X		X		X	
Office of Air: TRI	https://www.epa.gov/nationalanalysis/barriers-source-reduction-chemicals-be-evaluated-under-tscas-2015-tri-national		X			X		X		X	
OPPT: TSCA Analog Identification Methodology (AIM)	http://www.epa.gov/tscs-screening-tools/analog-identification-methodology-aim-tool	List and information about analogs from AIM tool		X		X	X			X	
Significant New Alternatives Policy (SNAP)	www.epa.gov/snap			X		X		X		X	
Safer Choice	https://www.epa.gov/saferchoice/safer-choice-master-criteria-safer-chemical-ingredients			X		X		X		X	
Safer Choice	https://www.epa.gov/saferchoice/safer-choice-standard			X		X		X		X	
Safer Choice	https://www.epa.gov/saferchoice/spray-polyurethane-foam-spf-insulation-and-how-use-it-more-safely			X		X		X		X	
Safer Choice	https://www.epa.gov/saferchoice/potential-chemical-exposures-spray-polyurethane-foam			X		X		X		X	
Safer Choice	https://www.epa.gov/sites/production/files/2015-08/documents/spf_product_types.pdf	Product Types. 2017d [cited 2017 March 29, 2017]; Available from:	X			X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Pollution Prevention	www.epa.gov/p2/			X		X		X		X	
Pesticide Ingredients	www.epa.gov/ingredients-used-pesticide-products			X		X		X		X	
Hazardous Waste	https://www.epa.gov/hw/defining-hazardous-waste-listed-characteristic-and-mixed-radiological-waste	List of Hazardous Waste		X	X			X		X	
Hazardous Waste	https://www.epa.gov/hw/final-report-study-spent-solvents			X		X		X		X	
Superfund chemical data matrix	https://www.epa.gov/superfund/superfund-chemical-data-matrix-scdm-query	Superfund matrix section		X	X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData2.cfm?id=0300086			X		X	X			X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0800866			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0300773			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0100201			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/csitinfo.cfm?id=0301290			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0300862			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=1000851			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0101073			X		X		X		X	
Superfund Enterprise Management System (SEMS)	http://cumulis.epa.gov/superfund/cursites/ccontinfo.cfm?id=0100326			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0100108			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/csitinfo.cfm?id=0606668			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/superfund/cursites/dsp_sspSiteData1.cfm?id=0502734			X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0702031			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0300995			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0902251			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0800412			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0403224			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0502719			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0701913			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0101431			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0502819			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0100350			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0301290			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0704456			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=1001102			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0800187			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0101073			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0600881			X		X		X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0502734			X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes	
	URL	Annotation	Engineering		Fate		Exposure		Human Health			
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic		
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0501800			X		X		X			X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0800186			X		X		X			X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0101210			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData2.cfm?id=0305521			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0301029			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0101114			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0101092			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0403159			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=1001122			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/ccontinfo.cfm?id=0902759	Contaminants		X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0200663			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0300963			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0504896			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0302624			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData2.cfm?id=0301029			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0600881			X		X			X		X	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sspSiteData1.cfm?id=0201218			X		X			X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Superfund Enterprise Management System (SEMS)	https://cumulis.epa.gov/supercpad/cursites/dsp_sppSiteData1.cfm?id=0700881			X		X		X		X	
NCEA IRIS	https://www.epa.gov/iris			X		X		X		X	
NCEA IRIS	https://cfpub.epa.gov/ncea/iris/search/	IRIS Overview Page		X		X		X		X	
NCEA IRIS	https://cfpub.epa.gov/ncea/iris/search/	IRIS Summary Page		X		X		X		X	
NCEA IRIS	https://cfpub.epa.gov/ncea/iris/search/	IRIS Toxicological Review		X		X		X	X		
ChemView (CDR/IUR)	http://java.epa.gov/chemview	Chemical test rule data		X		X	X			X	
ChemView (CDR/IUR)	http://java.epa.gov/chemview	Substantial risk reports submitted by companies	X		X			X	X		
ChemView (CDR/IUR)	http://java.epa.gov/chemview	Chemical data reporting	X			X		X		X	
ChemView (CDR/IUR)	http://java.epa.gov/chemview	TRI Release and Disposal information	X			X		X		X	
ChemView (CDR/IUR)	http://java.epa.gov/chemview	Pollution prevention information about change in releases	X			X		X		X	
Stationary Sources Air Pollution	www.epa.gov/stationary-sources-air-pollution/			X		X		X		X	
Asbestos	www.epa.gov/asbestos/			X		X		X		X	
Economic and cost assessment	www.epa.gov/economic-and-cost-analysis-air-pollution-regulations			X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1004QZ3.PDF?Dockey=P1004QZ3.PDF	OPPT Chemical Fact Sheet: 1,4-Dioxane (CAS No. 123-9-1)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100PEAZ.PDF?Dockey=P100PEAZ.PDF	(CAS No. 123-91-1) in Support of Summary Information on the		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100MQZ1.PDF?Dockey=P100MQZ1.PDF	2012 Annual Effluent Guidelines Review Report		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100FHIM.PDF?Dockey=P100FHIM.PDF	Toxicological Review of 1,4-Dioxane (CAS No. 123-91-1)		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100JIEP.PDF?Dockey=P100JIEP.PDF	(with Inhalation Update) (CAS No. 123-91-1)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100J4L.PDF?Dockey=P100J4L.PDF	(with Inhalation Update) (CAS NO. 123-91-1)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100JHU7.PDF?Dockey=P100JHU7.PDF	(with Inhalation Update) (CAS No. 123-91-1) in Support of Summary		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100LI27.PDF?Dockey=P100LI27.PDF	Toxicological Review of 1,4-Dioxane (CAS No. 123-91-1) Deliberative Draft		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100OP8U.PDF?Dockey=P100OP8U.PDF	Technology News and Trends Issue No. 59, June 2012		X		X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100OPAG.PDF?Dockey=P100OPAG.PDF	Technology News and Trends: Issue No. 66 Summer 2014		X		X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000TRJ.PDF?Dockey=P1000TRJ.PDF	Program for Fund-lead Sites in EPA Region 3 Site Optimization Tracker:		X		X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100EQ8A.PDF?Dockey=P100EQ8A.PDF	Dioxane in Drinking Water by Solid Phase Extraction (SPE) and Gas		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100EIVN.PDF?Dockey=P100EIVN.PDF	Technical Fact Sheet 1,4-Dioxane		X	X		X		X		
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000C77.PDF?Dockey=P1000C77.PDF	Constants of Carboxylic Acid Ester and Phosphate Ester Compounds in		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/10000Z31.PDF?Dockey=10000Z31.PDF	Solvents Study	X		X		X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P10000UY.PDF?Dockey=P10000UY.PDF	Technology News And Trends Issue Number 11, March 2004		X		X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100JDPP.PDF?Dockey=P100JDPP.PDF	Report on State of Understanding of Chlorinated Solvent Transformation		X	X		X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P10000V4.PDF?Dockey=P10000V4.PDF	Technology News And Trends Issue 16, January 2005		X	X			X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1006MG4.PDF?Dockey=P1006MG4.PDF	Beede Waste Oil Superfund Site Update June 2009		X		X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100BR1E.PDF?Dockey=P100BR1E.PDF	Colbert Landfill Superfund Site, Spokane County, Washington		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100AVYD.PDF?Dockey=P100AVYD.PDF	Kimberton Superfund Site December 2009 Community Update		X		X		X		X	

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	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100BLU0.PDF?Dockey=P100BLU0.PDF	Committee Teleconference Wednesday, March 18, 2009		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/300065VK.PDF?Dockey=300065VK.PDF	Characterization Innovative Technologies (EPA REACH IT)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100FVHM.PDF?Dockey=P100FVHM.PDF	Technical Fact Sheet 1,4-Dioxane		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100NGIF.PDF?Dockey=P100NGIF.PDF	Butanol, 1,4-Dioxane, 2 Methoxyethanol and 2-Propen-1-ol in		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000TTB.PDF?Dockey=P1000TTB.PDF	Program for Fund-lead Sites in EPA Region 3 Site Optimization Tracker:		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100DP2H.PDF?Dockey=P100DP2H.PDF	Regulation (UCMR) Update Spring Training Edition Issue 15, March 2011		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/200034X5.PDF?Dockey=200034X5.PDF	Comparison of VOA Compositing Procedures		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GG9T.PDF?Dockey=P100GG9T.PDF	Chemical Superfund Site, City Of Liberty, Clay County, Missouri		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100AW37.PDF?Dockey=P100AW37.PDF	Questions Lammers Barrel Superfund Site Beavercreek, Ohio		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/10001UR7.PDF?Dockey=10001UR7.PDF	Laser Induced Photochemical Oxidative Destruction		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P10000VA.PDF?Dockey=P10000VA.PDF	Technology News And Trends Issue 17, March 2005		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100PJQ1.PDF?Dockey=P100PJQ1.PDF	RECALCULATING THE LONG-TERM RESPONSE ACTION (LTRA) TEN-		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1006NYW.PDF?Dockey=P1006NYW.PDF	Technology Assessment Branch EPA OSRTI TIFSD TAB		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/60000K3F.PDF?Dockey=60000K3F.PDF	Dioxane: Fundamentals and Field Applications, Fact Sheet and Order		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1004466.PDF?Dockey=P1004466.PDF	Technical Support Project (TSP) Meeting		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100NUOR.PDF?Dockey=P100NUOR.PDF	Monitoring Rule (UCMR 3); Searching for Emerging Contaminants in		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100QLGC.PDF?Dockey=P100QLGC.PDF	Monitoring Rule (UCMR 3): Data Summary, April 2016		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100PS59.PDF?Dockey=P100PS59.PDF	Monitoring Rule (UCMR 3): Data Summary, July 2016		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GNU6.PDF?Dockey=P100GNU6.PDF	SemiVOST Methods for Selected CAAA Organic Compounds at a Coal-		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100NK2N.PDF?Dockey=P100NK2N.PDF	Monitoring Rule (UCMR 3): Data Summary		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100O90H.PDF?Dockey=P100O90H.PDF	Monitoring Rule (UCMR 3): Data Summary		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/20002IEW.PDF?Dockey=20002IEW.PDF	Effluent Limitations Guidelines and Standards for the Pharmaceutical		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/100014SZ.PDF?Dockey=100014SZ.PDF	Industrial Waste Air Model Technical Background Document		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100BLWG.PDF?Dockey=P100BLWG.PDF	Teleconference, Wednesday, May 27, 2009		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000YNN.PDF?Dockey=P1000YNN.PDF	Dioxane: Fundamentals and Field Applications	X			X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000TNI.PDF?Dockey=P1000TNI.PDF	Evaluation (RSE-Lite) for a Ground Water Pump and Treat System,		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100OFUT.PDF?Dockey=P100OFUT.PDF	The Third Unregulated Contaminant Monitoring Rule		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000I86.PDF?Dockey=P1000I86.PDF	Approaches for Stationary Source Method Development		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100BR3W.PDF?Dockey=P100BR3W.PDF	the Gilson Road Superfund Site, Nashua, New Hampshire		X		X	X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/60000N44.PDF?Dockey=60000N44.PDF	Fact Sheet Third Drinking Water Contaminant Candidate List (CCL 3)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/91021CZO.PDF?Dockey=91021CZO.PDF	Superfund Annual Report 2003 : Connecticut Edition		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100BEZ3.PDF?Dockey=P100BEZ3.PDF	W.R.Grace (Acton Plant) Site Acton, MA Site Update		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100NV48.PDF?Dockey=P100NV48.PDF	Monitoring Rule (UCMR 3): Data Summary		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100NUOT.PDF?Dockey=P100NUOT.PDF	Monitoring Rule (UCMR 3); Fact Sheet for Assessment Monitoring of		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/91021EMZ.PDF?Dockey=91021EMZ.PDF	Remediation and Restoration Annual Report 2006 : Connecticut Edition		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P10088L7.PDF?Dockey=P10088L7.PDF	Emerging Contaminant 1,4 Dioxane Fact Sheet		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1005C1O.PDF?Dockey=P1005C1O.PDF	Contaminant Candidate List (CCL 3) Fact Sheet		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/10000L7T.PDF?Dockey=10000L7T.PDF	Simplifies Land Disposal Restrictions by Establishing a Set of Universal		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/30003VY0.PDF?Dockey=30003VY0.PDF	Indoor Air Quality Data Base for Organic Compounds		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/100013AF.PDF?Dockey=100013AF.PDF	Air Characteristic Study: Volume 2, Technical Background Document		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100C7ST.PDF?Dockey=P100C7ST.PDF	Guidelines (NFGs) for Superfund Organic Methods (SOM) Data Review		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GLE0.PDF?Dockey=P100GLE0.PDF	National Functional Guidelines for Superfund Organic Methods Data		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GG5F.PDF?Dockey=P100GG5F.PDF	Motors Former AC Rochester Facility, Sioux City, Iowa		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100BJ62.PDF?Dockey=P100BJ62.PDF	Challenge Awards Program: Summary of 2011 Award Entries and Recipients		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1003KVV.PDF?Dockey=P1003KVV.PDF	Characteristic Study Volume II Technical Background Document		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/10002SEE.PDF?Dockey=10002SEE.PDF	Phytoremediation Resource Guide		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100MDC1.PDF?Dockey=P100MDC1.PDF	Formulation and Initial Assessment 1,4-Dioxane CASRN: 123-91-1	X		X		X		X		
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100FBX2.PDF?Dockey=P100FBX2.PDF	Drinking Water Standards and Guidelines 1993-1995		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1003KRY.PDF?Dockey=P1003KRY.PDF	Characteristic Study Volume I Overview	X		X		X			X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000UCQ.PDF?Dockey=P1000UCQ.PDF	Optimization Program for Fund-Lead Sites, EPA Region III		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000PSL.PDF?Dockey=P1000PSL.PDF	in Schools: an Instructor's Guide for Trainers in Schools in Southeast		X		X		X		X	

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			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100MG6E.PDF?Dockey=P100MG6E.PDF	Drinking Water Standards and Guidelines 1993-1995		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/2000M6KR.PDF?Dockey=2000M6KR.PDF	Guidance Study Series Estimation Of Air Impacts For Air Stripping Of	X			X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/30003UOV.PDF?Dockey=30003UOV.PDF	Indoor Air Pollutants from Household Product Sources. Project Summary		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/9101Z9VB.PDF?Dockey=9101Z9VB.PDF	Drinking Water Regulations and Health Advisories		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100LIDC.PDF?Dockey=P100LIDC.PDF	Fact Sheet: Drinking Water Contaminant Candidate List 4 Draft		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100PJJ6.PDF?Dockey=P100PJJ6.PDF	RSE Recommendations and Progress Toward Implementation Appendix:		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1004QZ5.PDF?Dockey=P1004QZ5.PDF	Dioxane Fact Sheet: Support Document (CAS No. 123-9-1)	X		X			X	X		
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100PZAJ.PDF?Dockey=P100PZAJ.PDF	Micro Auto Gasification System: Emissions Characterization	X			X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100KZW7.PDF?Dockey=P100KZW7.PDF	US EPA Regional Laboratory Network Annual Report 2013		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/10003RH2.PDF?Dockey=10003RH2.PDF	40 CFR Part 148, et al. Land Disposal Restrictions Phase III; Final Rule and		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/200033J3.PDF?Dockey=200033J3.PDF	Effluent Limitations Guidelines and Standards for the Pharmaceutical		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100ID30.PDF?Dockey=P100ID30.PDF	Test Guidelines OPPTS 835.3400 Anaerobic Biodegradability of Organic		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1006KPL.PDF?Dockey=P1006KPL.PDF	Inventory Development, Volume I: Stationary Sources		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/91022W99.PDF?Dockey=91022W99.PDF	Update #2 to Removal Action Levels		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/60000FZA.PDF?Dockey=60000FZA.PDF	Technologies Roundtable Remediation Case Studies And		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1007WNI.PDF?Dockey=P1007WNI.PDF	Superfund Sites Summary Report FY2004 and 2005		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GLDS.PDF?Dockey=P100GLDS.PDF	Organic Analytical Services for Superfund (SOM01.2)		X		X		X		X	

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			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P1000L3G.PDF?Dockey=P1000L3G.PDF	Emerging Contaminant - 1,4 Dioxane		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GLDB.PDF?Dockey=P100GLDB.PDF	Organic Analytical Service for Superfund (SOM01.1)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/910187OE.PDF?Dockey=910187OE.PDF	Drinking Water Regulations and Health Advisories		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/600013LS.PDF?Dockey=600013LS.PDF	Laboratory Waste Management Guidelines		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/91011LW5.PDF?Dockey=91011LW5.PDF	VOA Compositing Procedures: Draft		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/91020WR2.PDF?Dockey=91020WR2.PDF	Drinking Water Regulations and Health Advisories		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100QHRA.PDF?Dockey=P100QHRA.PDF	Byproducts: Review of Current Activities		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/9101ZAZE.PDF?Dockey=9101ZAZE.PDF	Drinking Water Standards and Guidelines, 1998-1999		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100FXP.PDF?Dockey=P100FXP.PDF	Regional Laboratory Network Annual Report 2014		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100LTGG.PDF?Dockey=P100LTGG.PDF	Technical Fact Sheet N-Nitrosodimethylamine (NDMA)		X		X		X		X	
NSCEP documents (has NEPIS)	https://nepis.epa.gov/Exe/ZyPDF.cgi/P100ESST.PDF?Dockey=P100ESST.PDF	Groundwater Remedy Optimization Progress Report: 2010 - 2011		X		X		X		X	
Regulatory Development and Retrospective Review Tracker	https://yosemite.epa.gov/opei/rulegate.nsf/byRIN/2070-AJ38			X		X		X		X	
"List of Lists"	https://www.epa.gov/sites/production/files/2015-03/documents/list_of_lists.pdf	Subject to the Emergency Planning and Community Right- To-Know Act	X			X		X		X	
TSCATS 2.0	https://yosemite.epa.gov/oppts/epatscat8.nsf/reportsearch?openform	TSCATS Low Detail Report		X	X			X		X	
HPV challenge submissions	cfpub.epa.gov/hpv-s/	N/A		X		X		X		X	
Office of Air: NATA 2011	https://www.epa.gov/national-air-toxics-assessment/2011-nata-assessment-results#pollutant	2011 NATA Results	X			X	X			X	
Office of Air: AQS	http://aqsd1.epa.gov/aqsweb/aqstmp/airdata/download_files.html#Annual	Full file of 2016 AQS data; 1,4-Dioxane data included		X		X	X			X	

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	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
OPPT Monitoring Database	Monitoring database	Monitoring database data		x		x	x			x	
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0001	Posting Memo									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0011	submitted by Christina Franz, Senior Director, American Chemistry Council									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0736-0056	submitted by Timothy J. Lafond, P.E., Chair, Environmental Committee,									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0736-0053	submitted by Eve Gartner, Staff Attorney, Earthjustice et al.									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0736-0046	submitted by the Environmental Defense Fund (EDF)									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0736-0066	submitted by Stephanie Fox-Rawlings, National Center for Health Research									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0736-0060	submitted by Susan Inglis, Executive Director, Sustainable Furnishings									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0736-0068	submitted by Juleen Lam, PhD, Associate Researcher, University of									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0027	submitted by Christine Ernst, Earthjustice									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0022	submitted by Christina Franz, Senior Director, Regulatory & Technical									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0028	submitted by Lee French, Regulatory Manager, The Dow Chemical									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0015	submitted by Javaneh Nekoomaram, Counsel, Government Affairs and									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0020	submitted by Elizabeth Hitchcock, Government Affairs Director and									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0008	submitted by Julie Froelicher, NA Regulatory & Technical Relations									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0005	submitted by Paul C. DeLeo, Associate Vice President,									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela									TSCA public comments are not tagged to specific discipline

Source	General Information about Result		Subject-Matter Tags								Notes	
	URL	Annotation	Engineering		Fate		Exposure		Human Health			
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic		
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0012	submitted by Jeffrey C. Brown, Regulatory Affairs and Angela										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0023	submitted by Eve Gartner, Staff Attorney, Earthjustice on behalf of										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0003	Manufacturing, Processing, Distribution, Use, and Disposal: 1,4-										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0025	submitted by Ruthann Rudel, Kathryn Rodgers, Silent Spring Institute										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0026	submitted by Breast Cancer Prevention Partners (BCCP)										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0009	submitted by Leslie Riegle, Director, Environmental Policy, Aerospace										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0019	submitted by Adhesive and Sealant Council et al.										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0010	submitted by Stacy Tatman, MS, JD, Director, Environmental Affairs,										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0029	submitted by Joseph M. Zabel, Manager, NA RM & Substance										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0024	submitted by Stephanie Fox-Rawlings, National Center for Health Research										TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0016	submitted by Susan Inglis, Executive Director, Sustainable Furnishings										TSCA public comments are not tagged to specific discipline

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0007	submitted by James Cooper, Senior Petrochemical Advisor, American Fuel									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0030	submitted by Juleen Lam, PhD, Associate Researcher, University of									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0018	submitted by Barbara S. Losey, Director, Alkylphenols & Ethoxylates									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0741-0021	submitted by Anthony Schatz, Ph.D, Director Occupational Health and									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0741-0007	submitted by Elizabeth Hitchcock, Government Affairs Director, Safer									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0733-0019	submitted by Kim Cox, Environmental Policy Manager, City of Portland									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0742-0026	Campaign sponsored by Earthjustice (web)									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0013	submitted by Timothy A. Brown, Regulatory Counsel and Steven									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0002	submitted by Eve Gartner, Staff Attorney, Earthjustice, Elizabeth									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0006	submitted by Chris Trahan Cain, Director of Safety and Health, North									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0021	submitted by Lindsay McCormick, Chemicals and Health Project									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0017	submitted by Laurie Holmes, Senior Director, Environmental Policy, Motor									TSCA public comments are not tagged to specific discipline
TSCA Use Dossiers and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0723-0014	Campaign sponsored by Earthjustice (web) (Revised)									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0002	Formulation and Initial Assessment: 1,4 Dioxane									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0012	submitted by Nancy B. Beck, PhD, Senior Director, American Chemistry									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0007	submitted by Javaneh Nekoomaram, Counsel, Government Affairs and									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0006	submitted by Paul DeLeo, PhD, Associate Vice President, American									TSCA public comments are not tagged to specific discipline

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0013	submitted by Paul DeLeo, PhD, Associate Vice President, American									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0003	submitted by Christina Franz, Senior Director, Regulatory & Technical									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0014	submitted by Connie L. Deford, Director, Product Sustainability &									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0010	submitted by Sarah E. Amick, Senior Counsel, Rubber Manufacturers									TSCA public comments are not tagged to specific discipline
TSCA Problem Formulations, Risk Assessments, and Public Comments	https://www.regulations.gov/document?D=EPA-HQ-OPPT-2015-0078-0009	submitted by Nancy B. Beck, Senior Director, American Chemistry Council									TSCA public comments are not tagged to specific discipline
National Institutes of Health (NIH) ChemIDplus	http://chem.sis.nlm.nih.gov/chemidplus/	searches, govt regulatory documents, consumer product databases, etc.		x		x		x		x	
NIH PubChem Compound Database	https://www.ncbi.nlm.nih.gov/pccompound	pubmed, products, MSDS, Fate summaries, effluent conc, human	x		x		x		x		
NIH HazMap	http://hazmap.nlm.nih.gov/index.html	Contains links to HSDB, CHemID Plus, pubmed	x			x		x		x	
NIH Household Products Database	http://householdproducts.nlm.nih.gov/	containing ingredient, NLM databases HSBDB, TOXNET, ChemID Plus,		x		x		x		x	
NIH Hazardous Substance Data Bank (HSDB)	https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm	Contains excerpts from peer reviewed lit in the same manner as pubchem	x		x		x		x		
NIH NLM Drug Information Portal	https://druginfo.nlm.nih.gov/drugportal/	HSDB, Medline/PubMed, Toxline, PubChem, ChemIDplus, USA.gov		x		x		x		x	
NTP Report on Carcinogens (RoC)	https://ntp.niehs.nih.gov/pubhealth/roc/index-1.html#C	Carcinogens; 2 to 4 pages in length. This is a summary of the information	x		x		x		x		
CDC ATSDR Tox Profiles	http://www.atsdr.cdc.gov/toxprofiles/index.asp	The pdf contains the ATSDR profile	x		x		x			x	
CDC ATSDR Minimal Risk Levels (MRLs) for Hazardous Substances	https://www.atsdr.cdc.gov/mrls/mrlist.asp	Add under Regulatory tag, gives minimum risk levels	x			x		x		x	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/BaghurstDriveNPLSite/Baghurst_Drive_NPL_Site_03-08-2016_508.pdf	HC for Baghurst Dr NPL, PA		x		x		x		x	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=982&pg=0	PHA for Upjohn CO-fine Chemicals, CT		x		x		x		x	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/DurhamMeadows/DurhamFinalHC031605.pdf	HC Durham Meadows, CT		x	x		x			x	

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	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/RaytheonWasteSite/RaytheonHazardousWasteLHC092208.pdf	HCL - Raytheon Haz Waste Site, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/FormerSiemensStrombergSite/SiemensStrombergSiteHC06102010.pdf	HC for Siemens		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/DurangoDiscoveryMuseum/DurangoDiscoveryMuseumLHC07082012.pdf	HCL - Durango Discovery Museum, Co		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/MohonkRoadIndustrialPlant/Mohonk%20LHC.pdf	Letter to land owner		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/ContinentalCleaners/Continental_Cleaners_PHA_508.pdf	PHA - Continental Cleaners, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/ClearviewEastwick/ClearviewEastwickIndoorAirLHC10012012.pdf	HCL- LDCA Site Clearview Landfill		X		X	X			X	
ATSDR	http://www.atsdr.cdc.gov/hac/pha/HCPHA.asp?State=NY	Looking for reports in search		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/reports/isladeviques_10162001pr/appendices.html	Site protocol and history		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/Mohonk%20Road%20Industrial%20Plant/MohonkRoadIndustrialPlant051705.pdf	HC - Mohonk rd Industrial Plant, NY		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/MohonkRoad031405-NY/MohonkRoad031405-NY.pdf	PHA - Mohonk Rd Industrial Plant, NY		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/APFIndustries4800Site/APFIndustriesLHC06102010.pdf	HCL- APF Industries, FK		X		X	X			X	
ATSDR	http://www.atsdr.cdc.gov/HAC/pha/FormerGopherOrdinanceSite/FormerGopherOrdinanceSiteLHC06102010.pdf	Gopher Ordinance Site, MN		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/FormerHewlettPackard/QuestarManufacturing/FormerHewlettPackardLHC06102010.pdf	HCL- HP Loveland, CO		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/ElectroplateRite/Electroplate-Rite_LHC(final)_%2009-23-2015_508.pdf	Electroplate-Rite Corporation site - Agency for Toxic Substances ...		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/PHA/HCPHA.asp?State=WA	ATSDR - Public Health Assessments & Health Consultations ...		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/FormerAmericanBevCo/FormerAmericanBevCoLHC06102010.pdf	HC-American Be Co, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/HillsvilleResidentialArea121205/HillsvilleResidentialAreaLHC121205060909.pdf	HC- Suffolk County, NY		X		X	X			X	

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	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/East67thStreetGroundwaterPlume/East67thStreet_PHA2-13-2008.pdf	PHA- E 67th Street Groundwater Plume, Odessa, TX		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/BridgerCreekCommunity/Bridger%20Creek%20Community_HC_11302015_508.pdf	HC- Bridger Creek Community Vapor Intrusion, Bozeman, MT		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/WhidbeyIslandNAS/WhidbeyIslandNAS102105HC.pdf	HC- Ault Field Naval Air Station, Oak Harbor, WA		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/NorthamptonSanitaryLandfill/NorthamptonSanitaryLandfill_HC_11302015_508.pdf	HC -Northampton sanitary landfill		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/interplasticcorporation/interplastic041505.pdf	HC- Interplastic Corp, Minneapolis, MN		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=687&pg=2	ATSDR-PHA-HC-Oak Grove Sanitary Landfill-p2		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/FormerWalkerMachineProducts/Former_Walker_Machine_Products_Indoor_Air_LHC_7-11-16_508.pdf	HCL- Walker Machine Products, Collierville, TN		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/HCPHA.asp?State=CT	ATSDR - Public Health Assessments & Health Consultations ...		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/lonebutteindustrialpark/perchlorate/lonebutteindustrialpark030807.pdf	HC- Lone Butte Industrial Park, Maricopa County, AZ		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/caldwelltruckingcompany/caldwelltruckingcompanyhc01072014_508.pdf	HC- Caldwell Trucking Co Superfund Site, Fairfield township, NJ		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/PHA/PhilipServicesCorporation/PhilipServicesCorporationHC012006.pdf	Philip Services Corporation - Agency for Toxic Substances and ...		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/indoorairqualityraytheonarea/indoorairqualityraytheonarea7-28-09.pdf	HC- Raytheon Area, St. Petersburg, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/southsidehighschoolvapor/southsidehighschoolvapor342010.pdf	HCL- Southside HS, Elmira NY		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=982&pg=1	ATSDR-PHA-HC-Upjohn Co-Fine Chemicals Division-p1		X		X		X		X	
ATSDR	http://www.atsdr.cdc.gov/hac/pha/AbexRemcoHydraulics_TJ/AbexRemco_PHAfinal07-02-06.pdf	PHA- Abex/Remco Hydraulics Facility, Willits, CA		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/GMHElectronics/GMHElectronicsHC12152010.pdf	HC- GMH Electronics NPL Site, Roxboro, NC		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=1172&pg=1	ATSDR-PHA-HC-Cardinal Landfill-p1		X		X		X		X	

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			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=1152&pg=4	health consultation roebuck, south carolina		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/PHA/reports/cemex_07092003co/images/tables.pdf	HC- Cemex Inc		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=1086&pg=2	ATSDR-PHA-HC-Chillum Perc Site-p2		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=1348&pg=4	ATSDR-PHA-HC-Arnold Engineering Development Center-p4		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/PHA/reports/bennett_landfill_fire_chester_south_carolina.pdf	health consultation bennett landfill fire, chester, south carolina		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/PHA/SuttonBrookBermisCirclesResidence09/SuttonBrookBermisCirclesC042005.pdf	HC-Sutton Brook, Tewksbury, MA		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/PHA/AstoriaMarineConstructionCompany/AstoriaMarineConstructionCompany_HC_008.pdf	HC- Astoria Marine Construction Co, Astoria, OR		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/cam-orinc/cam-orinchc.pdf	ATSDR		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=1172&pg=2	PHA- Cardinal Landfill, Farmington, NH		X		X	X			X	
ATSDR	http://www.atsdr.cdc.gov/hac/pha/AMCO/AMCOPHA092205.pdf	ATSDR		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=672&pg=1	ATSDR		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/PHA.asp?docid=219&pg=2	PHA- Solitron Devices. Inc, West Palm Beach, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/ithaca/ithacalhcfinal.pdf	HCL- Ithaca Gasoline Release, Beacon & Bridge Market, Ithaca, MI		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/PHA.asp?docid=219&pg=1	PHA- Solitron Devices. Inc, West Palm Beach, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=504&pg=2	HC- Portsmouth Manufactured Gas Plant Site, Portsmouth, VA		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/AmBerylliumCo09/FormerAmericanBerylliumEl080805.pdf	HC- American Beryllium Site, Tallevast, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/ChemFab10092008/Chem_520Fab_Facility_NPL_Site10092008-30-2008.pdf	HC- Chem Fab Facility NPL Site, Doylestown, PN		X		X	X			X	

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			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/BoRitAsbestosSite/BoRitAsbestosSiteHCPC08032012.pdf	health consultation borit asbestos site, ambler, Pennsylvania		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/ColbertLandfill/ColbertLandfill-NorthGlenHC052406.pdf	HC- North Geln Water Association Well, Colbert, WA		X		X	X			X	
ATSDR	http://www.atsdr.cdc.gov/hac/PHA/EG_Resource_Recovery_Explosion_and_Fire/EGResourceRecoveryHC030106.pdf	HC- EQ Resource Recovery Explosion and Fire, Romulus, MI		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/chillumPerc112404HC-MD/chillumPerc112404HC-MD.pdf	health consultation chillum perc site, chillum, Maryland		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/ValmontTCESite/ValmontTCESitePHA042806.pdf	PHA- Valmont Industrial Park Site, West Hazelton, PN		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=1172&pg=3	ATSDR		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/hamiltonsundstrandrcra/hamiltonsundstrandrcra/hc07282010.pdf	HC- Hamiton-Sundstrand RCRA Site, Denver, CO		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/KalamazooRiverEnbridgeSpill/Enbridge_Air_PHA_9-22-2015_508.pdf	PHA- Kalamazoo River Enbridge Oil Spill, Kalamazoo, MI		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/pha.asp?docid=984&pg=2	ATSDR		X		X		X		X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/RaytheonProduceTesting/RaytheonProduceTestingLHC05-08-2009.pdf	HCL- Raytheon Produce Testing Site, St. Petersburg, FL		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/HAC/pha/FormerAmericanBeryllium/American_Beryllium_Company/20PHAN/200_30_2008.pdf	PHA- American Beryllium Co, Tallevast, FL		X		X	X			X	
ATSDR	www.atsdr.cdc.gov/hac/pha/	HC Bridger Creek Community, Bozeman MT		X		X	X			X	
ATSDR	https://www.atsdr.cdc.gov/hac/pha/chillumPerc112404HC-MD/chillumPerc112404HC-MD.pdf	HC, Chillum, Prince Gorge's, MD		X		X	X			X	
ATSDR	www.atsdr.cdc.gov/hac/pha/	PHA - Former American Beryllium Company, FL		X		X	X			X	
ATSDR	www.atsdr.cdc.gov/hac/pha/	HC - Raytheon Hazardous Waste Site, FL		X		X	X			X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/neng0041.html	Overview for a dioxane isomer		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/nioshtic-2/00082270.html			X		X		X		X	

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	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH	https://www.cdc.gov/niosh/pubs/all_date_asc_nopubnumbers.html	Publication list		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/1970/77-226.html	Criteria for Recommended Standard-1977, Preface	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/1970/77-226.html	Biological Effects from Exposure		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/pdfs/77-226c.pdf	Development of standard (1977)	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00231098.html	Duplicate		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/80-21-721.pdf	Health Hazard Evaluation - 1980	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/pdfs/77-226e.pdf	Sampling Procedure for Collection 1,4 Dioxane		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00174300.html	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/nioshtic-2/00048836.html	Brief overview of report		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/topics/repro/breastfeeding.html	Breastfeeding factsheet		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/index_c.pdf	Index of chemical names and synonyms		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/surveyreports/pdfs/005-163.pdf	Not any chemicals of interest		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2005-110/nmed0090.html	Publication list		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/81-102-1244.pdf	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00028524.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00187693.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00210614.html	Peer Reviewed		X		X		X		X	

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			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1995-0296-2547.pdf	Health Hazard Evaluation	X			X		X	X		
CDC NIOSH	https://www.cdc.gov/niosh/npg/npgsyn-d.html	List of chemicals in pocket guide		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00241811.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00077043.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00130674.html	Duplicate		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/nioshtic-2/00181809.html	Health Evaluation Overview Page - no pdf		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/20024572.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/nioshtic-2/00234140.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/nioshtic-2/00237869.html	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/78-38-512.pdf	Health Evaluation Overview Page - no pdf		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/index_b.pdf	Sampling Methods		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1987-0367-1987.pdf	Health Hazard Evaluation	X			X		X	X		
CDC NIOSH	http://www.cdc.gov/niosh/idlh/123911.html		X			X		X	X		
CDC NIOSH	https://www.cdc.gov/niosh/pdfs/76-184b.pdf	Biological Effects from Exposure	X			X		X	X		
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/neng0883.html	Overview for a dioxane isomer		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/81-65-938.pdf	Health Hazard Evaluation	X			X		X	X		
CDC NIOSH	https://www.cdc.gov/niosh/npg/npgd0238.html	Information for dioxane isomer		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH	https://www.cdc.gov/niosh/docket/archive/pdfs/NIOSH-254/0254-121312-FRN.pdf	FR notice announcing dioxane regulatory document is available		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1992-0156-2256.pdf	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/npg/nengapdxg.html	Update Project - Exposure Limits NOT in Effect	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/81-123/pdfs/0230.pdf	Information for a different chemical		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/2011.pdf	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1986-0051-1911.pdf	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/nengnamed.html	List of ICSC chemicals		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/pdfs/78-130a.pdf	TCE study		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/method-2000.html	Analytical methods		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/rtecs/rtecsaccess.html	Landing page for NIOSH regulations		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/idlh/idlhabb3.html	regulatory list		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/pdfs/77-122c.pdf	Information for a different chemical		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/az/d.html	NIOSH index		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	Landing page for NIOSH chemicals		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/flavorings/exposure.html	No mention of 1,4 dioxane		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/npg/	Duplicate (pocket guide)		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/topics/1-4-dioxane/	hazards- compiled version, individual docs already captured in manual		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/1501.pdf	Overview for another chemical		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/81-123/	links to occupational health guidelines for chemical hazards relevant for		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/neng1256.html	Overview for another chemical		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2014-151/pdfs/methods/5007.pdf	Overview for another chemical		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/pel88/npelname.html	1988 OSHA PEL Project Documentation- not sure if relevant	X			X		X	X		
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/5007.pdf	Overview for another chemical		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/cancer/npotocca.html	Carcinogen list		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/81-123/pdfs/81-123-a.pdf	1981 OSHA guidelines, table of contents only		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/stockel/review/docket153c/pdfs/eid-tr-sk-dioxathion-03242015.pdf	Overview for another chemical		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/mining/UserFiles/works/pdfs/loca.pdf	Not relevant		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/97-119/pdfs/97-119.pdf	Guide to regulations		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/nengicsc.html	List of ICSC chemicals		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsnfrn/nfrnsynd.html	Chemical landing page in French		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/idlh/intrid4.html	regulatory list		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/npg/npqdcas.html	hazards; 14D captured in manual search		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/method-casall.html	Analytical methods		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1994-0298-2499.pdf	Health Hazard Evaluation	X			X		X	X		

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2011-136/pdfs/2011-136.pdf	Overview of another chemical		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/index_a.pdf	Index of chemical names and synonyms		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/topics/	Landing page for health topics		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/pel88/123-91.html	1989 Comments on PEL	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/whatsnew/what967.html	"what's new on NIOSH website"		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2003-154/pdfs/methodfinder.pdf	Methods for detection		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/nengname.html	List of ICSC chemicals		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/hcpc/azncpc.html	information is already available in the Pocket Guide		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docket/archive/pdfs/NIOSH-223-0223-040411-Senn_sub.pdf	Public comment, no mention of 1,4 Dioxane		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2017-135/pdfs/2017-135.pdf	Overview for another chemical		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2007-107/pdfs/2007-107.pdf	School chemistry safety guide		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/motorvehicle/?s_cid=3ni7d2fb071820110130pm	Page is blank		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1991-0251-2218.pdf	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/pubs/criteria_date_desc_nopubnumbers.html	List of NIOSH publications		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsnfrn/nfrn0041.html	Chemical profile, in French		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2011-197/pdfs/2011-197.pdf	World Trade Center guide		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2009-116/pdfs/2009-116.pdf	Nanoparticle guide		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH	https://www.cdc.gov/niosh/docs/2005-110/pdfs/2005-110.pdf	Methods for detection		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/npg/npgdrtec.html	Chemical landing page		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/stocket/archive/pdfs/NIOSH-153-A/0153-A-010107-Dugard_Att3.pdf	Peer Reviewed		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/hhe/reports/pdfs/1994-0151-2475.pdf	Health Hazard Evaluation	X			X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/docs/77-173/pdfs/77-173-d.pdf	Appendix		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/pdfs/74-177-w.pdf	Information about local exhaust systems		X		X		X		X	
CDC NIOSH	https://www.cdc.gov/niosh/topics/olspillresponse/xls/niosh_sampling_data_updated_11.17.2010.xls	Monitoring data in workers from health evaluations	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/ipcsneng/nengcas.html	List of CAS numbers		X		X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/npg/npgdcas.html	Exposure limit	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	source page for NIOSH resources on 14D (links captured below)	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	hazards- name (including synonyms/trade names),	X		X			X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	is a collection of methods for sampling and analysis of contaminants in	X			X		X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	Occupational Health Guideline for Dioxane	X		X			X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	the most frequently asked health questions (FAQs) about 1,4-dioxane	X		X			X		X	
CDC NIOSH	http://www.cdc.gov/niosh/topics/chemical.html	Standard: Occupational Exposure to Dioxane	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/80-21-721.pdf	exposure only/ doesn't look at health effects	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1991-0251-2218.pdf	Human Hazard Eval. Report	X			X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1990-0277-2487.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/2006-0303-3043.pdf	Not chemical of interest		X		X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1994-0151-2475.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1995-0293-2655.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/81-102-1244.pdf	Not chemical of interest		X		X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1995-0296-2547.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1987-0367-1987.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/81-65-938.pdf	exposure only/ doesn't look at health effects	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1986-0051-1911.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1992-0156-2256.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Health Hazard Evaluations	https://www.cdc.gov/niosh/hhe/reports/pdfs/1994-0298-2499.pdf	Human Hazard Eval. Report	X			X		X		X	
CDC NIOSH Immediately Dangerous to Life or Health	https://www.cdc.gov/niosh/idlh/123911.html	health concentrations of Dioxane; occupational exposure limits, animal	X			X		X		X	
CDC NIOHS International Chemical Safety Cards (ICSC)	https://www.cdc.gov/niosh/ipcsneng/nengcas.html	properties, routes of exposure, occupational exposure limits	X		X			X		X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/products/ingredients/potentialcontaminants/ucm101566.htm	1,4-Dioxane A Manufacturing Byproduct	X			X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/ac/00/backgrd/3630b1e_83p_0187_pdn1.pdf	Associated Pharmacologists and Toxicologists - RE: Today	X			X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/98fr/060199a.txt	Permitted in Food for Human Consumption; Boiler Water Additives	X			X	X			X	
FDA Food and Drug Administration	http://www.fda.gov/OHRMS/DOCKETS/98fr/cf99139.pdf	Indirect Food Additives: Adjuvants, Production Aids, and Sanitizers	X			X	X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/98fr/91F-0457-nfr0002.pdf	Addition to Food for Human Consumption; Glycerides and	X			X	X			X	
FDA Food and Drug Administration	http://www.fda.gov/ohrms/dockets/98fr/102899b.pdf	Brief summary of Fed Reg notices		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/Food/IngredientsPackagingLabeling/EnvironmentalDecisions/ucm214604.htm	FCN - not target compound		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/internationalactivities/iccr/default.htm	ICCR meeting transcripts		X		X		X			X
FDA Food and Drug Administration	http://www.fda.gov/ohrms/dockets/98fr/102899c.txt	Addition to Food for Human Consumption; Polysorbate 60	X			X	X				X
FDA Food and Drug Administration	https://www.fda.gov/downloads/Cosmetics/InternationalActivities/ICCR/UCM454799.pdf	ICCR meeting transcript from 2014		X		X		X			X
FDA Food and Drug Administration	http://www.fda.gov/ohrms/dockets/98fr/102899d.pdf	Brief summary of Fed Reg notices		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/ac/00/backgrd/3630b1e_june_1983_cp.pdf	Petition of withdrawal of approval for Contraceptive Sponge	X			X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Drugs/.../Guidances/UCM073401.pdf	Solvent classification hazard summary		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/ohrms/dockets/98fr/102899e.pdf	Meeting Summary		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/OHRMS/DOCKETS/98fr/102899a.pdf	Brief summary of Fed Reg notices		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/products/ingredients/potentialcontaminants/ucm128250.htm	not target compound		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ResourcesForYou/Consumers/ucm290083.htm	not target compound		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/downloads/drugs/guidances/ucm073395.pdf	Guidance for industry Q3C table		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/downloads/Food/FoodIngredientsPackaging/EnvironmentalDecisions/UCM214608.pdf	not target compound		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/OHRMS/DOCKETS/98fr/06-2354.pdf	Brief summary of Fed Reg notices		X		X		X			X
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/98fr/060198c.pdf	Brief summary of Fed Reg notices		X		X		X			X

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Food and Drug Administration	http://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/EnvironmentalDecisions/UCM143093.pdf	Food contact notice		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/downloads/AnimalVeterinary/Products/AnimalFoodFeeds/General/ucp2012/assessinggrasnotification/ucm296146.pdf	GRAS notification of animal feed additive		X		X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/products/ingredients/potentialcontaminants/ucm388820.htm	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Drugs/DevelopmentApprovalProcess/UCM073144.txt	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/Products/Ingredients/PotentialContaminants/ucm2016771.htm			X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/AnimalVeterinary/GuidanceComplianceEnforcement/GuidanceforIndustry/ucm092441.pdf	Veterinary Medicinal Products, Active Substances and Excipients (Revision)		X		X	X			X	
FDA Food and Drug Administration	http://www.fda.gov/ohrms/dockets/98fr/102398a.txt	Indirect Food Additives: Adhesives and Components of Coatings	X			X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm113212.htm			X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM464286.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/EnvironmentalDecisions/UCM143232.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/AboutFDA/CentersOffices/OfficeofMedicalProductsandTobacco/CDER/UCM142487.pdf	Peer reviewed		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/oc/ohrt/AnimalVeterinary/Products/AnimalFoodFeeds/General/ucp2012/assessinggrasnotification/ucm296146.pdf	Poster title listing		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/resourcesforindustry/default.htm	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/ac/03/briefing/3992B1_03_FDA-Prempro-Premphase.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/products/ingredients/potentialcontaminants/ucm136786.htm	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/aboutfda/centersoffices/officeoffoods/cfsan/contactcfsan/default.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/AboutFDA/CentersOffices/OfficeofFood/CFSAN/ucm016203/ucm016203.pdf	Analysis method for NMP		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Food and Drug Administration	http://www.fda.gov/OHRMS/DOCKETS/98fr/082499b.txt	Indirect Food Additives: Paper and Paperboard Components	X			X	X		X		
FDA Food and Drug Administration	http://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/EnvironmentalDecisions/UCM143101.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Drugs/DrugMasterFilesDMFs/UCM073136.xls	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/newsevents/newsroom/pressannouncements/ucm491466.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NoticesInventory/ucm289568.pdf	GRAS notification for gum base polymer		X		X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/ScienceResearch/FieldScience/LaboratoryManual/UCM092233.pdf	Reagent in biological method		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/AboutFDA/WhatWeDo/History/OralHistories/SelectedOralHistoryTranscripts/UCM090493.pdf	history on FDA		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm136786.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/products/ingredients/potentialcontaminants/ucm433748.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/ohrms/dockets/dailys/00/Oct00/100200/cp00001.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm107327.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Food/IngredientsPackagingLabeling/EnvironmentalDecisions/ucm451139.htm	Food Contact Notification No. 1455 - not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/ac/00/backgrd/3630b1ab.pdf	Notice of Dioxane found in Contraceptive Sponge	X			X	X			X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm2016770.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm107943.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm388826.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/dailys/00/Sep00/090600/cp00001_attachment_01.pdf	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Food and Drug Administration	https://www.fda.gov/ucm/groups/fdagov-public/@fdagov-av-gen/documents/document/ucm072285.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm134054.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ohrms/dockets/dockets/99n1174/c000022.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm115449.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm511631.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/productsingredients/ucm128042.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NotInInventory/ucm269225.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/RadiationEmittingProducts/RadiationEmittingProductandProcedures/SupplementalTherapies/UCM135113.pdf	not target compound		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm490864.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ScienceResearch/Research/default.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm143066.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm137250.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm107940.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ucm/groups/fdagov-public/@fdagov-av-gen/documents/document/ucm072316.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/ucm293184.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/Cosmetics/ProductsIngredients/PotentialContaminants/ucm137012.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ucm/groups/fdagov-public/@fdagov-av-gen/documents/document/ucm071992.pdf	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Food and Drug Administration	https://www.fda.gov/downloads/AnimalVeterinary/DevelopmentApprovalProcess/EnvironmentalAssessments/UCM303762.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ucm/groups/fda.gov-public/@fdagov-av-gen/documents/document/ucm072090.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/ucm/groups/fda.gov-public/@fdagov-av-gen/documents/document/ucm072155.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NoticesInventory/ucm402152.pdf	In lab method or in solubility table		X		X		X		X	
FDA Food and Drug Administration	https://www.fda.gov/cosmetics/productsingredients/ucm137224.htm	not mentioned		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/downloads/Food/FoodScienceResearch/UCM181701.txt	list of compounds		X		X		X		X	
FDA Food and Drug Administration	http://www.fda.gov/OHRMS/DOCKETS/98fr/cf99110.pdf	Indirect food additives: polymers	X			X	X			X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/anda/prs96/84902_Promethacon_Bioegr.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2000/20874lbl.pdf	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/scripts/fdcc/?set=FCN&id=97	FCN - allowable limit for 14D in ethylene glycol steam	X			X	X			X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2000/20874lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/fdcc/index.cfm?set=fcn&id=163	FCN - allowable limit for 14D in ethylene glycol steam	X			X	X			X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2009/011757s085s086bl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2017/012541s086bl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/fdcc/?set=FCN&id=963	not mentioned		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/fdcc/?set=FCN&order=DESC&type=basic&search_	duplicate		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2015/011839s079s080bl.pdf	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2000/21214lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2002/18771S12lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2016/020005s014lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2014/085635s029lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2006/014215s009s015lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2007/017362s104lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/scripts/cdm/fcn/Navigation.cfm?filter=65504-96-3&sortColumn=&not=actual_listing	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2017/021583s023lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2016/011757s104lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2016/011757s104lbl.pdf	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2007/022025lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2013/019157s020lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/cdm/fcn/Navigation.cfm?filter=65504-96-3&sortColumn=&not=actual_listing	CFR that mentions dioxane method		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/1998/19781lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/pre96/011153s051lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2004/20246s025lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/cdm/fcn/Navigation.cfm?filter=65504-96-3&sortColumn=&not=actual_listing	not target compound		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Databases	https://www.accessdata.fda.gov/scripts/fdcc/?set=ENV-FCN&id=963	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/scripts/fdcc/?set=ENV-FCN&id=Food_Contract_Substances&id=ASC4bpe-basic&search=	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/drugsatfda_docs/label/2005/021584lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2009/019781s013lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2007/011839s071lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2003/20246scs019_Depo-provera_lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2011/019781s017_020843s011lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/cdrh_docs/pdf14/K141114.pdf	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/drugsatfda_docs/anda/2006/040620Orig1s000.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/cdrh_docs/pdf8/P080008b.pdf	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2004/075553_5000_Medroxyprogesterone_CHEMR.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/scripts/fdc/index.cfm?set=FCN&id=Food_Contract_Substances&id=ASC4bpe-basic&search=	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/cn/cnNavigation.cfm?rpt=eflulisting&displayAll=true	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/scripts/fdc/index.cfm?set=FCN&id=Food_Contract_Substances&id=ASC4bpe-basic&search=	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/scripts/cn/cnNavigation.cfm?rpt=eflulisting&displayAll=false&page=18	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/pre96/84902_Promethacon_AdminDscs.pdf	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/anda/pre96/84902_Promethacon_AdminDscs.pdf	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Databases	https://www.accessdata.fda.gov/cms_ia/importalert_207.html	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2010/019734s015lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/fdccc7ext=fn&sort=Food_Contact_Substance&order=ASC&search=	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/cdrh_docs/reviews/K142994.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2011/019734s017lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2009/022025s005lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2002/20-8395019_Clopidogrel%20Bisulfate_EAfora.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/cdrh_docs/pdf8/P080006b.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2006/021959s000_ClinPharmR.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/98/19781-clinpharm.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/cdrh_docs/pdf14/K142994.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2004/021583s000_ClinPharmR.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/scripts/fdccc7set=FCN&id=1455	not target compound		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2014/019734s023lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2005/021584s000_depo-subQ_biopharmr.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2005/021835s000_ClinPharmR.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2007/022057s000_ClinPharmR.pdf	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2010/021959s004lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2012/021214Orig1s007.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2016/020246s058lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2012/202020s000lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2010/020246s036lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2009/020527s046lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/nda/2009/020527Orig1s046.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	https://www.accessdata.fda.gov/drugsatfda_docs/label/2006/020527s037lbl.pdf	In lab method or in solubility table		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/cdrh_docs/pdf/P980018S010c.pdf	not target compound		X		X		X		X	
FDA Databases	http://www.accessdata.fda.gov/cdrh_docs/reviews/K141114.pdf	not target compound		X		X		X		X	
FDA List of Indirect Additives Used in Food Contact Substances	http://www.fda.gov/Food/Ingredients/Labeling/Packaging/FCS/IndirectAdditives/ucm115333.htm	Code of Federal Regulations Title 21-21CFR175.105		X		X	X			X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/chemicalsampling/data/CH_237200.html	Chemical Sampling Information Dioxane Occupational Safety and ...	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/organic/org007/org007.html	also include detection methods		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/oshweb/owadisp.show_document?p_id=770&p_table=preambles	Discussion and Determination of Final ...	X			X		X	X		
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/organic/org001/org001.html	not target compound		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/chemicaldata/	OSHA Database: Dioxane	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/organic/org086/org086.html	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/SLTC/etools/construction/trenching/mainpage.html	Tool for trench digging		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/opengov/healthsamples.html	OSHA Health Samples Database: Dioxane	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/osta/otm/otm_ii/pdfs/otmii_chpt2_appa.pdf	1 APPENDIX A CHEMICALS NOTED FOR SKIN ABSORPTION ...	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/partial/pv2001/2001.pdf	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/imis/accidentsearch.accident_detail?id=978593	Citation of company for accidental exposure		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/Publications/osha3151.pdf	Chemical resistance chart for PPE	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/partial/pv2068-01-8707-cht-pv2068-01-8707-ch.html	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/SLTC/etools/construction_sp/trenching/mainpage.html	Tool for trench digging		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/partial/pv2070/pv2070.html	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&e_id=10620	Threshold Limit Values of Airborne Contaminants for Construction	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&e_id=10286	Threshold Limit Values of Airborne Contaminants for Shipyards	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/oc/citations/AM_Stern_citation.pdf	Citation of company not providing PPE for employees		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dte/grant_materials/08/sh-17815-08/ames_laboratory_hazard_inventory.pdf	Hazard Record Request form		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/organic/org097/org097.html	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/mdt/mdt1001/1001.html	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=FEDERAL_REGISTER&e_id=13641	FR OSHA addendum to Prop 65 -14D briefly mentioned		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dsg/PEL-forum-comments2010.html	Online forum comments		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dcsp/osp/efame/2010/ca_soar.pdf	CA SOAR report for 2010		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/Publications/100most.pdf	Frequently cited construction OSHA offenses		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/iris/accidentsearch.accident_detail?id=14530281	by TCE overexposure, no conc reported		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/pls/oshweb/owadisp.show_document?p_table=FEDERAL_REGISTER&id=13194	not target compound		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/organic/org087/org087.html	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dsg/annotated-pels/tablez-1.html	OSHA Annotated Table Z-1	X			X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/sltc/methods/organic/org105/org105.html	In lab method or in solubility table		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/SLTC/hairsalons/formaldehyde_in_products.html	not target compound		X		X		X		X	
OSHA Occupational Safety and Health Administration	https://www.osha.gov/dts/chemicalsampling/data/CH_233600.html	not target compound		X		X		X		X	
OSHA Chemical Exposure Health Data	https://www.osha.gov/opengov/healthsamples.html	OSHA PELs and general information	X			X		X		X	
NIST	https://www.nist.gov/document-1766	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/people/vivek-prabhu	not target compound		X		X		X		X	
NIST	https://www.nist.gov/sites/default/files/documents/srm/SP260-111.PDF	Compilation of SRMS circa 1987		X		X		X		X	
NIST	https://www.nist.gov/document-1974	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/document-9651	Rotovap Manual		X		X		X		X	
NIST	https://www.nist.gov/document-1546	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/document/scaffold-fabrication-tutorialpdf	In lab method or in solubility table		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
NIST	https://www.nist.gov/document-1709	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/document-6962	In lab method or in solubility table		X		X		X		X	
NIST	https://www.nist.gov/document-1788	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/document-1655	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/document-1714	Peer reviewed		X		X		X		X	
NIST	https://www.nist.gov/nist-research-library/journal-research-volume-38	In lab method or in solubility table		X		X		X		X	
NOAA CAMEO database	https://cameochemicals.noaa.gov/	SDS - Response and break through times on PPE	X		X			X		X	
Protective Action Criteria (PAC) Database	https://sp.eota.energy.gov/pac/teel/Revision_29_Table1.pdf	Associated Chemical Information. PACs Rev. 29, May 2016		X	X			X	X		
Protective Action Criteria (PAC) Database	https://sp.eota.energy.gov/pac/teel/Revision_29_Table2.pdf	(PAC) Rev. 29 based on applicable 60-minute AEGLs, RPGs, or TEELs. The		X		X		X	X		
Protective Action Criteria (PAC) Database	https://sp.eota.energy.gov/pac/teel/Revision_29_Table4.pdf	(PAC) Rev. 29 based on applicable 60-minute AEGLs, ERPGs, or TEELs.		X		X		X	X		
US Geological Survey	https://www.usgs.gov/staff-profiles/irene-j-fisher	Staff bio		X		X		X		X	
US Geological Survey	https://in.water.usgs.gov/newreports/camor.pdf	Simulation of Ground-Water Flow in the Vicinity of a Former Waste-Oil	X		X		X			X	
US Geological Survey	https://www.usgs.gov/staff-profiles/irene-j-fisher	Staff bio		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/EA-1719-FAA-2010.pdf	Novelty Technologies, Inc. Electric Drive Vehicle Battery and Component		X		X	X			X	
Department of Energy	https://energy.gov/sites/prod/files/2014/03/f10/es025_zhang_2011_p.pdf	Additives for PHEV/EV Lithium-ion Battery		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2016/05/13/FN%20E%20Region%20Appendix%20E%20with%20cover.pdf	FirstNet East Region Appendix E		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/EA-0821-FAA-1995_04.pdf	Glass Melter thermal Treatment Unit at Honsanto Research Corporation		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Department of Energy	https://energy.gov/sites/prod/files/2016/09/13/Appendix%20E%20FR%20Ready%202016.09.07.pdf	Impact Statement for the Western United States		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2015/06/f23/RS564_Att.%20G.26.pdf	AREA 55 OUTDOOR STORAGE PAD CLOSURE PLAN		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2015/06/f23/2%20Part%20General%20Facility%20Conditions.pdf	PART 2 - GENERAL FACILITY CONDITIONS		X		X		X		X	
Department of Energy	http://energy.gov/sites/prod/files/Q4FY11_PerfAssurSummary.pdf	Performance Assurance Summary for Environmental Compliance		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2015/09/f26/S13312_DOE_LM_ASER_CY2014.pdf	Summary of Annual Site Reports		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2015/06/f23/RS1123_Att.%20G.19.pdf	AREA 55, BUILDING 4 ROOM K13 INDOOR CONTAINER STORAGE		X		X		X		X	
Department of Energy	https://www.energy.gov/sites/prod/files/2015/06/f23/RS1122_Att.%20G.18.pdf	AREA 55, BUILDING 4 ROOM B40 INDOOR CONTAINER STORAGE		X		X		X		X	
Department of Energy	http://energy.gov/em/articles/savannah-river-site-cmp-pits	Savannah River Site - CMP Pits		X		X	X			X	
Department of Energy	https://energy.gov/sites/prod/files/EIS-0318-FEIS-02-2002.pdf	EIS-0318-FEIS-02-2002.pdf		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2016/08/f33/Ch%2019-25_Appendices_2016.08.02_PrintReady.pdf	25_Appendices_2016.08.02_Print Ready.pdf		X		X		X		X	
Department of Energy	https://energy.gov/sites/prod/files/2014/03/f11/es025_zhang_2010_o.pdf	Advanced Electrolytes and Electrolyte Additives		X		X		X		X	
Department of Energy	https://energy.gov/em/articles/hanford-site-200-1	Hanford Site - 200-UP-1		X		X	X			X	
Department of Energy	https://energy.gov/em/articles/savannah-river-site-sanitary-landfill	Savannah River Site - Sanitary Landfill		X		X	X			X	
Department of Energy	https://energy.gov/em/articles/savannah-river-site-am-area-groundwater	Savannah River Site - A/M Area Groundwater		X		X	X			X	
Department of Energy	https://energy.gov/sites/prod/files/em/2001_Agreements/Order2005-0022CleanupSLAC.pdf	QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION		X		X	X			X	
Department of Energy	https://energy.gov/sites/prod/files/2016/05/f31/biochem_park_7141.pdf	Report from NCSU on Integrated Biomass Refining Institute at NCSU		X		X		X		X	
PNNL Pacific Northwest National Laboratory	http://www.pnnl.gov/biology/staff/staff_info.asp?staff_num=5817	Thomas Weber		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
PNNL Pacific Northwest National Laboratory	http://www.pnnl.gov/main/publications/external/technical_reports/PNNL-21549.pdf	Post Processing		X		X		X		X	
PNNL Pacific Northwest National Laboratory	http://www.pnnl.gov/main/publications/external/technical_reports/PNNL-17264.pdf	TS-00358: Portable Acoustic Contraband Detector		X		X		X		X	
US Geological Survey publications	https://pubs.usgs.gov/sim/3113/sim3113_appendix_a/	Raw data used for Analyses for 1,4-Dioxane of Groundwater Samples ...		X		X	X			X	
US Geological Survey publications	https://pubs.er.usgs.gov/browse/Report/USGS%20Numbered%20Series/Open-File%20Report/2009/	General search page		X		X		X		X	
US Geological Survey publications	https://pubs.usgs.gov/of/2009/1196/of2009-1196.pdf	Results of the Analyses for 1,4-Dioxane of Groundwater Samples ...		X		X	X			X	
US Geological Survey publications	https://pubs.er.usgs.gov/publication/wri014221	Simulation of Ground-Water Flow in the Vicinity of a Former Waste-Oil		X		X	X			X	
US Geological Survey publications	https://pubs.er.usgs.gov/publication/70017335	on the solubility of organic compounds in soil organic matter		X		X		X		X	
US Geological Survey publications	https://pubs.er.usgs.gov/publication/sir20125048	Coastal Los Angeles Basin, 2006: California GAMA Priority Basin Project		X		X	X			X	
US Geological Survey publications	https://pubs.er.usgs.gov/publication/ds356	Fernando-San Gabriel Study Unit, 2005 - Results from the California		X		X	X			X	
US Geological Survey publications	https://pubs.er.usgs.gov/publication/ds387	Coastal Los Angeles Basin Study Unit, 2006: Results from the California		X		X	X			X	
US Geological Survey publications	https://pubs.er.usgs.gov/publication/ds474	Colorado River Study Unit, 2007: Results from the California GAMA		X		X		X		X	
US Geological Survey publications	https://pubs.er.usgs.gov/browse/Report/USGS%20Numbered%20Series/Scientific%20Investigations%20Map/	General search page		X		X		X		X	
European Commission	http://ec.europa.eu/social/BlobServlet?docId=6683&langId=en	HH review, brief paragraph on use in the EU. Limited occupational	X			X		X	X		
European Commission	http://ec.europa.eu/health/sites/health/files/scientific_committees/consumer_safety/docs/sccs_o_194.pdf	Scientific Committee on Consumer Safety - levels in cosmetics		X		X	X			X	
European Commission	http://ec.europa.eu/DocsRoom/documents/20942/attachments/3/translations/en/renditions/native	Indoor air quality - list of EU-LCI values		X		X	X			X	
European Commission	eur-lex.europa.eu/collection/eu-law.html			X		X		X		X	
ECHA Documents	https://echa.europa.eu/substance-information/-/substanceinfo/100.004.239		X			X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/5/3/2#	biodegradation in water		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/5/4/2#	bioaccumulation		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/5/5/2#	sorption		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/5/5/3#	henry's law constant		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/5/5/4#	distribution		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/9#	safe use		X		X	X			X	
ECHA Documents	https://echa.europa.eu/brief-profile/-/briefprofile/100.004.239	brief profile of chemical	X		X		X		X		
ECHA Documents	links in excel file	Links to registration dossiers	X		X		X		X		
ECHA Documents	https://echa.europa.eu/documents/10162/676c3ad4-0683-4588-be68-345d30e9ee20	summary of risk assessment-very relevant	X		X		X			X	
ECHA Documents	https://echa.europa.eu/documents/10162/a4e83afa-c421-4243-a8df-3e84893082aa	EU RAR (2002); very useful	X		X		X		X		
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/3/1/4#	industrial uses	X			X		X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/3/1/5#	industrial uses	X			X		X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/4/7#	vap pressure		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/4/8#	partition coefficient; very useful		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/4/9#	solubility		X	X			X		X	
ECHA Documents	https://echa.europa.eu/registration-dossier/-/registered-dossier/15842/5/2/2#	transformation in air		X	X			X		X	
OECD HPV Programme	http://webnet.oecd.org/hpv/ui/Search.aspx	Final Assessment report for SIDS	X		X		X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
OECD HPV Programme	http://webnet.oecd.org/hpv/ui/Search.aspx	Euro Commission 14D Summary Risk Assessment Report	X			X	X			X	
OECD HPV Programme	http://webnet.oecd.org/hpv/ui/Search.aspx	Euro Commission 14D Full Risk Assessment Report	X		X		X			X	
OECD HPV Programme	http://webnet.oecd.org/hpv/ui/Search.aspx	Euro Commission 14D recommendations	X		X		X				X
IARC Monograph	http://monographs.iarc.fr/ENG/Monographs/PDFs/index.php	2B 11, Sup 7, 71 1999	X			X	X			X	
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/204410/1/9789240695405_eng.pdf	Evaluation of certain food additives and contaminants		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/254637/1/9789241549950-eng.pdf	Guidelines for Drinking-water Quality WHO		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/152895/1/WHO_BS_2011.2181_eng.pdf	EXPERT COMMITTEE ON BIOLOGICAL STANDARDIZATION		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/254636/1/9789241550017-eng.pdf	Guidelines for Drinking-water Quality WHO Addendum		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/59407/1/WHO_OCH_86.2_eng.pdf	Contaminants in the work environment		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/61872/1/WHO_MAL_94.1067_fre.pdf	L' ARTEMISININE ET DE SES DERIVES		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/187287/1/WHA23_PB-3_fre.pdf	NOUVELLES METHODES DE LUTTE ANTIVECTORIELLE		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/43186/1/9241546689_eng.pdf	Protecting Groundwater for Health		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/66537/18/WHO_SDE_OEH_00.02-eng.pdf	Guidelines for air quality		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/85824/1/Official_record184_eng.pdf	TWENTY -THIRD WORLD HEALTH ASSEMBLY		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/198360/1/9789240694897_eng.pdf	Safety evaluation of certain food additives and contaminants		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/36906/1/924151096X_eng.pdf	WARFARIN HEALTH AND SAFETY GUIDE		X		X		X			X
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/48400/1/bulletin_1988_66(2)_211-217.pdf	determining chloroquine in urine for dried blood spots		X		X		X			X

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/40299/1/924157111X-eng.pdf	IPCS Environmental Health Criteria triphenyl phosphate		X		X		X		X	
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/46956/1/bulletin_1986_64(5)_721-724.pdf	with diarrhea during treatment with oral rehydration salt solution		X		X		X		X	
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/119729/1/dsa917.pdf	PCBs		X		X		X		X	
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/43428/1/9241546964_eng.pdf	Guidelines for Drinking-water Quality		X		X		X		X	
WHO Insitutional Repository for Information Sharing (IRIS)	http://apps.who.int/iris/bitstream/10665/144977/1/WHA23_PB-3_eng.pdf	not target compound		X		X		X		X	
World Health Organization- Regional Office for Europe	www.euro.who.int/en/home			X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/factsheets/chemical-name/1_4-dioxane	Dioxane (1,4-Dioxane)	X			X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/pdf_file/0018/10494/STD1177FR.pdf	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME (NICNAS)		X		X		X	X		
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0020/6707/LTD1460FR.docx	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/assessment/assessment-for-1-governments-chemicals-and-poly-dispersions	(NICNAS)		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/news-and-events/chemical-gazette/numbers/2016/02-august/list-of-priority-existing-chemicals	List of priority existing chemicals - NICNAS		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/map-assessments/map-assessment-details/assessment_id=1987	ASSESSMENT FOR 1,3-Dioxane, 5-bromo-5-nitro-		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/map-assessments/map-assessment-details/assessment_id=117	ASSESSMENT FOR Furan, tetrahydro-		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0020/7067/STD1443-FR.docx	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/cosmetics-and-soaps	Cosmetics and soaps		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0019/20359/NA604FR.docx	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0010/19837/NA703FR.docx	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0020/34814/PEC7-1.4-Dioxane.docx	NICNAS public report	X		X		X		X		
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0003/19920/NA13FR.docx	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0003/34806/PEC1s-TGIC-secondary-notification.docx	Low volume chemical permits in force as at September		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/map-assessments/map-assessment-details?assessment_id=2126	ASSESSMENT FOR 1,3-Dioxan-4-ol, 2,6-dimethyl-, acetate		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/pdf_file/0017/34613/NICNAS_Annual_Report_2012-13.pdf	ANNUAL REPORT 201213		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0003/34806/PEC1s-TGIC-secondary-notification.docx	Priority Existing Chemical Secondary		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/funnelback-crawl-listing			X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0018/34812/PEC1s-sodium-ethyl-xiphate-secondary-notification.docx			X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0018/34821/PEC14-ortho-dichlorobenzene.docx	Priority Existing Chemical		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/pec-assessments	not mentioned on page		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/_data/assets/word_doc/0012/20118/NA640FR.docx	CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/pec-assessments	Priority Existing Chemical assessments		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/pec-assessments?result_34791_result_page=@	Portal to PEC7 sheet (3350-14D-2)		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/factsheets?result_30847_result_page=D	Portal to 3350-14D-1		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/map-assessments/map-group-assessment-report?assessment_id=172	ASSESSMENT FOR Sodium and ammonium laureth sulfate		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/factsheets/chemical_name/butoxyethanol-2-butoxyethanol-in-cleaning-products	Butoxyethanol (2-Butoxyethanol) in cleaning products		X		X		X		X	
of Health, National Industrial Chemicals; NICNAS	https://www.nicnas.gov.au/chemical-information/factsheets/chemical_name/c20-22-alkyl-phosphate	Results for c20-22 alkyl phosphate		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Canada Chemicals Portal	http://chemicalsubstanceschimiques.gc.ca/index-eng.php	General description of Canada's actions with respect to the chemical		X		X	X			X	
Canada Chemicals Portal	http://chemicalsubstanceschimiques.gc.ca/index-eng.php	Screening Assessment for chemical		X	X		X			X	
CAREX Canada	http://www.carexcanada.ca/en/1,4-dioxane/	1,4-Dioxane, overview	X			X	X			X	
CAREX Canada	http://www.carexcanada.ca/en/1,4-dioxane/occupational_estimate/	1,4-Dioxane, worker exposure by industry	X			X	X			X	
CAREX Canada	http://www.carexcanada.ca/en/profiles_and_estimates/	1,4-Dioxane, portal		X		X		X		X	
GESTIS Database	http://limitvalue.ifa.dguv.de/	List of international regulatory limits	X			X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/pops/Appendix/06-BackgroundData/Ch2-Tb2-1.htm	Monitoring data	X			X	X			X	
Government of Japan: Ministry of the Environment	http://www.env.go.jp/en/statistics/data/e11ex504.xls	number of groundwater exceedences		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/pops/Appendix/00report/00top.pdf	Table of contents only		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/substances/list.html	List of chemicals		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/substances/pdf/substances_list.pdf	List of chemicals		X		X		X		X	
Government of Japan: Ministry of the Environment	http://www.env.go.jp/en/statistics/data/e11ex516.xls	groundwater monitoring data		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/manual/pdf/mat03-8.pdf	List of chemicals		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/regulations/pdf/prtr_order.pdf	List of chemicals		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/substances/table.html	list of regulated chemicals	X			X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/recycle/basel_conv/files/Matters_listed_in_Article3.pdf	List of chemicals		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/pops/Appendix/00report/report.pdf	Contains information from other reports		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/water/gw/gwp.html	regulatory list		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/wpaper/1996/eae250000000020.html	Wastewater policy document		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/pops/Appendix/03-CIE/Summary2001.PDF	groundwater monitoring data		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/wpaper/1995/eae240000000050.html	White paper about Japanese environmental quality		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/sesaku/aquatic_Mar_2016.pdf	aquatic toxicity tests		X		X		X		X	
Government of Japan: Ministry of the Environment	http://www.env.go.jp/en/statistics/contents/2016/E2016_Ch5.pdf	number of water exceedences		X		X	X			X	
Government of Japan: Ministry of the Environment	http://www.env.go.jp/en/chemi/pops/Appendix/03-CIE/AppendixB.pdf	Monitoring DaTa		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/regulations/pdf/prtr_order_jap.pdf	Policy list		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/manual/pdf/mat03-9.pdf	List of chemicals		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/focus/docs/files/20120801-51.pdf	regulator list (already captured in another source)		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/water/wq/nes.html	regulatory list		X	X		X			X	
Government of Japan: Ministry of the Environment	http://www.env.go.jp/en/statistics/data/e11ex515.xls	number of groundwater exceedences		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/pops/Appendix/00report/00chap2.pdf	monitoring levels		X		X	X			X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/prtr/rep_pp/annex1.html	chemical list		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/dioxins/manual.pdf	does not mention 1,4 dioxane		X		X		X		X	
Government of Japan: Ministry of the Environment	https://www.env.go.jp/en/chemi/pops/Appendix/04-GuideLine/guidelines.pdf	list of regulated chemicals		X		X		X		X	
Substances in Preparations in Nordic Countries (SPIN) Database	http://www.spin2000.net/spinmyphp/	Summary by chemical	X			X	X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Lowell Center for Sustainable Production	sustainableproduction.org			X		X		X		X	
eChemPortal	http://www.echemportal.org/echemportal/index?pagerD=0&request_locale=en	Finnish environmental properties		X	X			X		X	
eChemPortal	http://www.echemportal.org/echemportal/index?pagerD=0&request_locale=en	Results from Canadian Domestic Substance List		X	X			X		X	
eChemPortal	http://www.echemportal.org/echemportal/index?pagerD=0&request_locale=en	New Zealand		X		X		X		X	
eChemPortal	http://www.echemportal.org/echemportal/index?pagerD=0&request_locale=en	Environment Canada Screening Assessment	X		X		X		X		
Toxicology Excellence for Risk Assessment	http://www.tera.org	Evaluation Plan Tiers 1,2,3 Pilot submission	X		X		X		X		
Consumer Products Information Database (CPID)	https://www.whatsinproducts.com/chemicals/index/1	Products containing chemical		X		X	X			X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/19/18421.pdf	Biodegradation of 1,4-Dioxane		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/27/26123.pdf	In-house Solvent Reclamation efforts in Air Force Maintenance Operations	X		X			X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/27/26963.pdf	The recovery of organic solvents from liquid Scintillation Waste		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/14/13594/2L_Changes.pdf	Groundwater standards		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/35/34259.pdf	Exhaustive solvolysis of lignocellulosic waste for preparing useful chemicals		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/05/04691.pdf	Specific use in paper of 14D - Lube-Lok 99A	X			X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/28/27427.pdf	ORGANIC COMPOUND CONTROL IN THE 1990's		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/23/22109.pdf	The Disposal of Chemical Laboratory Wastes		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/31/30208.pdf	Is volume conserved?		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/21/20151.pdf	Collection of poster abstracts		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/52/51628.pdf	Biomolecules M02-CD0		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/01/00152.pdf	Process Change and Raw Materials Substitution in the Electronics Industry	x			x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/14/13199.pdf	List of hazard air pollutants		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/18/17721/lca/App-K.pdf	Oral and inhalation slope factors		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/25/24794.pdf	Contains multiple papers but includes the 5020-14D-10	x		x			x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/09/08100.pdf	anti freeze disposal		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/01/00794.pdf	WASTE REDUCTION HIGHLIGHTS	x		x			x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/19/18536.pdf	School Science Laboratories A Guide to Some Hazardous Substances		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/02/01068.pdf	Air emission from textile industry (not clear if estimates or measured)	x			x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/26/25035.pdf	Textile Products by Brent smith and Vikki Bristow, no actual data unlike		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/31/30356.pdf	Engineered For War Treatment Plants.		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/22/21759.pdf	RISKS IN POLLUTION CONTROL: DOES IT MATTER?		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/47/46485.ppt	can be used to clean up toxins. Not much detail in efficacy		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/29/28640.pdf	NON-CHLORINE BLEACHING THE PROCESS LOOP		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/17/16884.pdf	Info on Non-RCRA solvent waste	x		x			x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/38/37541/112N.pdf	Volatile organic hazardous air pollutant concentration		x		x		x		x	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/07/06400.pdf	Chemical Manufacturing Facility of VOST and SemiVOST Methods for		x		x		x		x	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/23/22475.pdf	1992 GOVERNOR'S WASTE MINIMIZATION AWARDS		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/02/01099/0109902.pdf	Textile factories emissions overview		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/17/16207_files/Append-A.pdf	Chemicals Listed under 1995 TRI, NPRI and RETC		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/33/32458.pdf	The Toxics Release Inventory from 1988	X			X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/16/15734_files/hascore-c.pdf	Total Hazard Values IN		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/17/16609.pdf	Generator's Hazardous Waste Summary Report - Part I		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/27/26568.pdf	The UV Oxidation Handbook		X	X			X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/43/42032.pdf	MN Audit checklist, list of hazardous air pollutants		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/36/35030.pdf	Handbook on Bioethanol		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/03/02906.pdf	Textile factories emissions overview		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/03/02574.pdf	CLASSIFICATION AND CODING OF INDUSTRIAL Haz Waste		X	X			X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/17/16347.pdf	List of HAPS in wood finishing products		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/14/13083.pdf	Haz waste reduction for high school chem labs		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/01/00924.pdf	Haz waste management for schools		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/24/23814.pdf	Rate constants for 14D		X	X			X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/03/02227.pdf	Design for environment		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/38/37332.pdf	Facility and City of High Point Riverdale Drive Landfill Remedial		X	X		X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/17/ttn/volume02/ii08.pdf	Alternatives for ink and paint formulation		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/17/16903.pdf	Spill management guide		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/31/30822.pdf	not mentioned		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/32/31804.pdf	found in ref title		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/31/30068.pdf	medical waste incineration		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/31/30825.pdf	emergency response guide		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/21/20755.pdf	Commercial painting industry - listed in HAPS		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/26/25119.pdf	DoD - OCONUS Compliance Assessment Protocols		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/21/20760.pdf	listed in HAPs table		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/44/43062.pdf	Prudent guidance for haz substances in the lab	X			X		X	X		
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/11/10347.htm	An Industry Overview of Laboratories		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/03/02695.pdf	NAS North Island Pollution report	X			X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/51/50997.pdf	Haz waste services		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/22/21061.pdf	Halogenated Solvents - lifecycle inventory	X			X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/18/17038.pdf	In HAP list		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/21/20267.pdf	Chemical synonyms		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/01/0079502.pdf	TRI 1995 data	X			X	X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/27/26187.pdf	High tech and toxics: a guide for local communities	X			X	X		X		
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/31/30699.pdf	TRI 1990 data	X			X	X			X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/27/26581.pdf	For as chemical that a patent was pending over		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/24/23879.pdf	FL toxic substance list		X		X		X		X	
Pollution Prevention Infohouse	http://infohouse.p2ric.org/ref/07/06128.pdf	CASE STUDY: Hoechst Celanese Corporation	X		X			X		X	
Ashford's Dictionary of Industrial Chemicals, 2001	Book		X			X		X		X	
Hawley's Chemical Dictionary, 2016	Book			X	X			X		X	
State sites	http://www.health.state.mn.us/divs/eh/hazardous/topics/14dioxaneinhal.pdf	Fact sheet, cites documents already covered		X		X		X		X	
State sites	http://www.mass.gov/eea/agencies/massdep/toxics/sources/14-dioxane.html	links to other docs already covered		X		X		X		X	
State sites	http://www.dep.state.fl.us/waste/quick_topics/publications/wc/sites/summary/131.pdf	Summary of groundwater/soil contamination from site	X		X		X			X	
State sites	http://www.michigan.gov/deq/0,4561,7-135--378949--,00.html	news article on proposed updates to standards		X		X		X		X	
State sites	http://www.health.state.mn.us/divs/eh/risk/guidance/dwec/dioxaneinfo.pdf	Fact sheet, 14D in drinking water		X		X		X		X	
State sites	https://www.dep.state.fl.us/labs/docs/14dioxane.pdf	Methods of detection		X		X		X		X	
State sites	http://www.michigan.gov/deq/0,4561,7-135-3311_4109_9846-71595--,00.html	Sciences Contamination site (investigation and remediation of	X		X		X			X	
State sites	http://www.mass.gov/eea/agencies/massdep/water/drinking/standards/1-4-dioxane.html	Reg limits in water and estimate health risk calcs		X		X		X	X		
State sites	http://www.cdph.ca.gov/certific/drinkingwater/Pages/1_4-dioxane.aspx	14D detected in drinking water, reporting levels		X		X	X			X	
State sites	http://www.waterboards.ca.gov/drinking_water/certific/drinkingwater/EDTlibrary.shtml	DDW water quality database reported findings of 14D levels in drinking water		X		X	X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
State sites	http://www.michigan.gov/deq/0,4561,7-135--396484--,00.html	notice to establish emergency rules for 14D standards		X		X		X		X	
State sites	http://des.nh.gov/organization/divisions/waste/hwr/atkinson-1-4-dioxane/index.htm	links to fact sheets and other not relevant		X		X		X		X	
State sites	http://legacy.azdeq.gov/enviro/waste/sp/Air_Force_Plant_44_Raytheon_Project_Area.html	Raytheon Remediation Project-remediation of 14D from groundwater, concentrations and sources in surface water	X		X		X			X	
State sites	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page#1-4-dioxane		X			X	X			X	
State sites	http://www.michigan.gov/deq/0,4561,7-135-3308_3323-395832--,00.html	Press release		X		X		X		X	
State sites	http://www.floridhealth.gov/environmental-health/hazardous-waste/sites/_documents/sitemonstomhaz0616.pdf	contamination from hazardous waste site	X		X		X			X	
State sites	http://www.ct.gov/dph/hb/dph/environmental_health/eha/groundwater_well_contamination081915_1_4_dioxane.pdf	Fact sheet for public about 14D in water		X		X		X		X	
State sites	http://des.nh.gov/organization/divisions/waste/hwr/bss/hwrp/documents/report-limits14dioxane.pdf	Notice of changing reporting limits		X		X		X		X	
State sites	http://www.dep.state.fl.us/waste/quick_topics/publications/wc/sites/summary052.pdf	14D, TCE, DCM in groundwater/soil near spill	X		X		X			X	
State sites	http://www.deq.utah.gov/Programs/Services/programs/cercla/brownfields/docs/2016/02Feb/Winter2016Rebrand%20(1).pdf	Not relevant		X		X		X		X	
State sites	http://order.c1.american.com/3fs-public/3wep%20July%202016/Environment%20Senior%20DioxaneReport_YrFinal%20160127.pdf	basin of North Carolina: An initial screening and source identification		X	X		X			X	
State sites	http://www.nj.gov/dep/watersupply/gminutes/ucmr.pdf	Powerpoint summarizing contaminant monitoring		X		X		X		X	
State sites	http://www.azdeq.gov/enviro/waste/sp/Tucson_International_Airport_Area_Overview.html	Airport Remediation Project-remediation of 14D +TCE from	X		X		X			X	
State sites	http://www.adem.state.al.us/misc/gwconf2016/GWConf-EHoutz.pdf	Powerpoint presentation from conference		X		X		X		X	
State sites	http://www.nj.gov/dep/wms/bears/docs/1_4%20dioxane%20final%20draft%20for%20posting2.pdf	NJ groundwater criteria for 14D		X		X	X			X	
State sites	http://www.dep.state.fl.us/waste/quick_topics/publications/wc/sites/summary058.pdf	contamination from hazardous material storage site	X		X		X			X	
State sites	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page	links to information already covered		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
State sites	https://www.dep.state.fl.us/waste/quick_topics/publications/wc/sites/summary/191.pdf	contamination from hazardous material storage site	X		X		X			X	
State sites	http://www.ct.gov/dph/cwp/view.asp?a=3140&q=429846	Links to doc already covered		X		X		X		X	
State sites	http://www.health.state.mn.us/divs/eh/risk/guidance/gw/14dioxane.pdf	Toxicological Summary for 14D, guidance value		X		X		X		X	
State sites	http://www.nj.gov/dep/wms/bears/gwqs_interim_criteria_table.htm	NJ Groundwater criteria		X		X	X			X	
State sites	https://www.tceq.texas.gov/publications/rg/rq-366_trrp_14.html#at_download/file	Process for screening chem		X		X		X		X	
State sites	http://www.azdeg.gov/environ/waste/sps/download/tucson/tiaa.pdf	Airport Remediation Project-remediation of 14D +TCE from	X		X		X			X	
State sites	http://www.mde.state.md.us/programs/Lead/Management/Docmgmt/Docmgmt/2016_0612PLAN_Koofee_070806-000WAF_P161.pdf	Cleanup plan for groundwater/soil contaminated from site	X		X		X			X	
State sites	http://www.ecmd.gov/eh/ehp/hazardous/sites/dakota/gopher/gopherhaptxt.pdf	summary of state regulatory activities		X		X	X			X	
State sites	http://www.health.state.mn.us/divs/eh/hazardous/sites/dakota/gopher/gopherhaptxt.pdf	Public Health assessment near site; exposure, reg, health effects	X			X	X			X	
State sites	http://www.cdph.ca.gov/certific/drinkingwater/Documents/NotificationLevels/NotificationLevels.pdf	Drinking water notification levels		X		X	X			X	
State sites	https://oehha.ca.gov/water/notification-levels-chemicals-drinking-water	outdated		X		X		X		X	
State sites	http://www.scdhec.gov/Environment/EnvironmentalLabCertification/SIMAnalyses/	Not relevant		X		X		X		X	
State sites	http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-policies-guidance.html	Links to Site Cleanup Policies & Guidance	X			X	X			X	
State sites	https://oehha.ca.gov/chemicals/14-dioxane	Summary of use, soil screening, cancer risk, air, prop 65, water		X		X	X			X	
State sites	http://www.adem.state.al.us/programs/water/drinkingwater.cnt	14D on water contaminant monitoring list		X		X		X		X	
State sites	http://www.epa.illinois.gov/Assets/epa/community-relations/arnold-magnetic/fact-sheet-2.pdf	Fact sheet		X		X		X		X	
State sites	http://www.mass.gov/eea/agencies/massdep/toxics/sources/chemical-research-and-standards.html	Links to MA standards and guidelines, health notices.		X		X	X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
State sites	https://cehha.ca.gov/air/general-info/cehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary	Reference Exposure Level (REL) Summary		X		X		X		X	
State sites	http://www.azdeq.gov/environ/waste/sps/Tucson_Airport_Remediation_Project.html	Remediation Project- remediation of 14D +TCE from groundwater, AOP	X		X		X			X	
State sites	https://www.des.nh.gov/organization/divisions/waste/hwrp/ss/hwrp/guidance_documents.htm	Links to contaminated site guidance		X		X		X		X	
State sites	http://des.nh.gov/organization/divisions/waste/hwrp/documents/rcmp.pdf	dose response info, absorption factors, F&T data (partition coefficient,		X	X		X			X	
State sites	http://des.nh.gov/organization/divisions/water/dwgb/nhelap/	NH Lab accreditation program; lab methods		X		X		X		X	
State sites	http://www.legis.state.nj.us/committees/03/09/2010/2010-09-20/DEP%20&%20DOH%20FAQs.pdf	Remediation site, groundwater/soil contamination from site	X		X		X			X	
State sites	http://legacy.azdeq.gov/environ/waste/sps/Airport_Property_Project_Area.html	area, groundwater/soil contamination from site	X		X		X			X	
State sites	http://www.dep.state.fl.us/southeast/acreage/03.09.2010%20-%20DEP%20&%20DOH%20FAQs.pdf	FAQ		X		X		X		X	
State sites	http://www.dep.wy.gov/03092010/03092010%20-%20DEP%20&%20DOH%20FAQs.pdf	contamination from site, no specific levels reported	X		X		X			X	
State sites	http://www.mass.gov/eea/docs/dep/about/region/private-well-sampling-in-sturbridge3-2-2017.pdf	Levels of 14D in well water		X		X	X			X	
State sites	http://dep.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/biological-assessment-branch	Not relevant		X		X		X		X	
State sites	http://des.nh.gov/organization/commissioner/njp/newsletters/en/documents/2013-jul-aug.pdf	July/August 2013		X	X		X			X	
State sites	http://www.health.state.mn.us/divs/eh/hazardous/topics/14dioxane.html	Links to docs already covered		X		X		X		X	
State sites	http://www.mass.gov/eea/species/massdep/water/drinking/lead-and-other-contaminants-in-drinking-water.html	MA drinking water standards		X		X	X			X	
State sites	http://dep.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/wis-administration	Not relevant		X		X		X		X	
State sites	http://www.floridahealth.gov/environmental-health/hazardous-waste-sites/documents/technicalnotes102114.pdf	groundwater/soil contamination from site	X		X		X			X	
State sites	http://www.mass.gov/eea/species/massdep/water/drinking/lead-and-other-contaminants-in-drinking-water.html	information, survey of exposures, fact sheets		X		X	X			X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
State sites	https://www.deq.idaho.gov/media/60176754/water-reuse-conference-ieppson-0515.pdf	Powerpoint presentation		X		X		X		X	
State sites	https://dec.alaska.gov/air/anpms/toxics/carc/carchome.htm	List of carcinogens		X		X		X		X	
State sites	https://oehha.ca.gov/media/downloads/risk-assessment/california-human-health-screening-levels-2015-08-20-01.pdf	CA Human Health Screening levels, Soil screening numbers		X		X	X			X	
State sites	http://www.floridahealth.gov/environmental-health/drinking-water/chemicals-hals.html	Links to general chemical fact sheets for public		X		X		X		X	
State sites	http://www.dec.ny.gov/docs/remediation_hudson_pdf/fdmgpr1.pdf	General remediation work plan		X		X		X		X	
State sites	http://www.ecy.wa.gov/programs/swfa/mrw/meetingDocs/Sept07Cosmetics.pdf	Powerpoint presentation		X		X		X		X	
State sites	http://www.cdph.ca.gov/programs/hesis/Documents/riskreport.pdf	Occupational Health Hazard Risk Assessment Project for California	X			X		X	X		
State sites	http://www.dem.ri.gov/pubs/regs/regs/air/air22_08.pdf	REGULATION NO. 22, Acceptable Ambient levels		X		X	X			X	
State sites	http://www.health.state.mn.us/divs/eh/risk/guidance/air/table.html	Health Risk Value for different exposure levels, ambient air		X		X	X		X		
State sites	https://oehha.ca.gov/media/downloads/cmr/screenreport010405.pdf	with skin absorption factor and health values; skin absorption factor		X	X		X			X	
State sites	https://oehha.ca.gov/media/downloads/cmr/appendixd3final.pdf	Trichloroethylene OEHHA	X			X		X		X	
Trade Associations	acmanet.org			X		X		X		X	
Trade Associations	aia-aerospace.org			X		X		X		X	
Trade Associations	https://arasp.americanchemistry.com/Media-Center/Industry-Comments-June-2015.pdf	Comments from Adhesive and sealant council to OPPT docket	X			X	X			X	
Trade Associations	https://arasp.americanchemistry.com/Media-Center/ARASP-Comments-June-2015.pdf	Coverletter for public comment	X			X	X			X	
Trade Associations	http://www.americanchemistry.com/Policy/Chemical-Safety/Chemical-Assessment/Process/Policy/US-Hazard-Characterization-Program.pdf	Poster of US Hazard Characterization		X		X		X		X	
Trade Associations	https://arasp.americanchemistry.com/arasp/Media-Center/ARASP-Comments.html	Links to all ARASP public comments		X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Trade Associations	http://how-to-guide-members.americanchemistry.com/Performance-Reporting/Performance-Metric-Guidance-Documents.pdf	emissions, 14D in one table with no data		X		X		X		X	
Trade Associations	asphaltroofing.org			X		X		X		X	
Trade Associations	https://www.canadianchemistry.ca/library/magazine/Catalyst-Spring2011.pdf			X		X		X		X	
Trade Associations	http://www.canadianchemistry.ca/library/docs/Total%20emissions%202012.pdf	emissions inventory Canada 2012 for 2015	X			X		X		X	
Trade Associations	http://www.canadianchemistry.ca/library/docs/Total%20emissions%202012.pdf	emissions inventory Canada 2012 for 2015	X			X		X		X	
Trade Associations	http://www.canadianchemistry.ca/library/docs/Total%20emissions%202012.pdf	emissions inventory Canada 2012 for 2015	X			X		X		X	
Trade Associations	http://www.canadianchemistry.ca/library/docs/Total%20emissions%202012.pdf	emissions inventory Canada 2012 for 2015	X			X		X		X	
Trade Associations	http://www.canadianchemistry.ca/library/docs/Total%20emissions%202012.pdf	emissions inventory Canada 2012 for 2015	X			X		X		X	
Trade Associations	https://www.canadianchemistry.ca/library/magazine/Winter07.pdf			X		X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202011%20with%20Issues-Final%20Eng.pdf	chemical inventory Canada 2011 with predictions of 2014	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202011%20with%20Issues-Final%20Eng.pdf	chemical inventory Canada 2011 with predictions of 2014	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202011%20with%20Issues-Final%20Eng.pdf	chemical inventory Canada 2011 with predictions of 2014	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202011%20with%20Issues-Final%20Eng.pdf	chemical inventory Canada 2011 with predictions of 2014	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202011%20with%20Issues-Final%20Eng.pdf	chemical inventory Canada 2011 with predictions of 2014	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20emissions%202012%20-%20FR.pdf	emissions inventory Canada 2012 for 2015 in french	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20emissions%202012%20-%20FR.pdf	emissions inventory Canada 2012 for 2015 in french	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20emissions%202012%20-%20FR.pdf	emissions inventory Canada 2012 for 2015 in french	X			X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202012%20-%20FR.pdf	emissions inventory Canada 2012 for 2015 in french	X			X		X		X	
Trade Associations	http://canadianchemistry.ca/library/docs/Total%20Emissions%202012%20-%20FR.pdf	emissions inventory Canada 2012 for 2015 in french	X			X		X		X	
Trade Associations	cefic-efra.com			X		X		X		X	
Trade Associations	cspa.org			X		X		X		X	
Trade Associations	ebfrfp.org			X		X		X		X	
Trade Associations	jpma.org			X		X		X		X	
Trade Associations	http://www.nam.org/Advocacy/The_Center_for_Legal_Action/Briefs/Online/2016/NAM_Merits_Brief_in_West_Virginia_v_EPA_DC_Cir.pdf			X		X		X		X	
Trade Associations	http://documents.nam.org/erp/NAM_Pfizer_Sustainability_091513.pptx	Pfizer's green chemistry, moving people away from using solvents	X			X		X		X	
Trade Associations	http://documents.nam.org/erp/NAM_Pfizer_Sustainability_091513.pptx	Pfizer's green chemistry, moving people away from using solvents	X			X		X		X	
Trade Associations	pinfa.org			X		X		X		X	
Trade Associations	https://plasticpipe.org/pdf/tr-19_thermoplastic_pipe_for_transport_of_chemical.pdf	how chemicals react when using this type of piping	X			X		X		X	
Trade Associations	https://plasticpipe.org/pdf/tr-19_thermoplastic_pipe_for_transport_of_chemical.pdf	how chemicals react when using this type of piping	X			X		X		X	
Trade Associations	https://plasticpipe.org/pdf/tr-19_thermoplastic_pipe_for_transport_of_chemical.pdf	how chemicals react when using this type of piping	X			X		X		X	
Trade Associations	https://plasticpipe.org/pdf/tr-19_thermoplastic_pipe_for_transport_of_chemical.pdf	how chemicals react when using this type of piping	X			X		X		X	
Trade Associations	sips.org			X		X		X		X	
Trade Associations	https://www.socma.com/Article/ID/4577/EPA-Selects-First-10-Chemicals-for-Risk-Evaluation-under-new-TSCA			X		X		X		X	
Trade Associations	https://www.socma.com/Article/ID/5260/EPA-to-Hold-Public-Workshop-on-Collecting-Chemical-Use-Information			X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Trade Associations	www.acmanet.org			X		X		X		X	
Trade Associations	www.afma.org			X		X		X		X	
Trade Associations	http://www.afsinc.org/files/1410-240%20real%20time%20emission%20measurement%20public.pdf	method validation report		X		X		X		X	
Trade Associations	http://www.afsinc.org/files/na%20311%20emission%20measurement%20procedure%202sec.pdf	emission report		X	X			X		X	
Trade Associations	www.aga.org			X		X		X		X	
Trade Associations	www.ahrinet.org			X		X		X		X	
Trade Associations	www.aluminum.org			X		X		X		X	
Trade Associations	www.ame.org			X		X		X		X	
Trade Associations	www.ansi.org			X		X		X		X	
Trade Associations	http://www.api.org/-/media/Files/EHS/Clean_Water/GW_other/AnerobicBiodegRateConisantRpt1998.pdf	report on anaerobic biodegradation of chemicals in groundwater		X	X			X		X	
Trade Associations	http://www.aqa.gov/~/media/Files/EHS/Clean_Water/GW_other/HazardousMaterialsReport14DinTableButNoData.pdf	hazardous materials report-14D in table but no data		X		X		X		X	
Trade Associations	http://www.ascouncil.org/resource/resmgr/Docs/asc-issue-briefs-compendium.pdf	council issue briefs	X			X		X		X	
Trade Associations	http://www.ascouncil.org/news/	login required		X		X		X		X	
Trade Associations	http://www.ascouncil.org/news/?id=10144	login required		X		X		X		X	
Trade Associations	www.awc.org			X		X		X		X	
Trade Associations	https://www.bifma.org/resource/resmgr/handout_annex_b.pdf	Chemicals of concern list		X		X		X		X	
Trade Associations	www.cancentral.com			X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Trade Associations	www.chlorinated-solvents.eu			X		X		X		X	
Trade Associations	https://www.epa.gov/wq-content/uploads/2014/07/FNV/Arac-Source-Interiors-Respondent-Ref-4S-FI-ED-12-23-14.pdf	Response to TSCA 17		X		X		X		X	
Trade Associations	http://www.cleaninginstitute.org/assets/1/Plane/Oxiteno_Personal_Care_Greenformande.pdf	Oxiteno Greenformance; States that products listed are dioxane-free		X		X		X		X	
Trade Associations	http://www.cleaninginstitute.org/istreem/	ISTREEM; Contains peer-reviewed article including mention of 1,4-D		X		X		X		X	
Trade Associations	http://www.cleaninginstitute.org/assets/1/AssetManager/ACF%20Sustainability%20Report%20-%20April%202011.pdf	relevant; states "eliminated traces of 1,4-dioxane byproducts from its dish		X		X		X		X	
Trade Associations	http://www.cleaninginstitute.org/assets/1/AssetManager/2014%20Green%20Seal%20Standard%20-%20April%202014.pdf	Environmental Standard for Soaps, Cleansers, and Shower Products;		X		X		X		X	
Trade Associations	http://www.cleaninginstitute.org/assets/1/Page/GS-48_Background_Information_Laundry_Care_Products.pdf	proposed Green Seal standard for laundry care products; by-product		X		X	X			X	
Trade Associations	http://www.cleaninginstitute.org/assets/1/assetmanager/2011_aci_convention_news_-_issue_1.pdf	plant doubles its manufacturing capacity for the sulfate- and 1,4-		X		X		X		X	
Trade Associations	www.copper.org			X		X		X		X	
Trade Associations	www.flexpack.org			X		X		X		X	
Trade Associations	www.gasketfab.com			X		X		X		X	
Trade Associations	https://www.globalautomakers.org/system/files/document/attachments/JointProp65Comments2014-6-13.pdf	comment letter about Prop 65		X		X		X		X	
Trade Associations	www.gmaonline.org			X		X		X		X	
Trade Associations	www.hsia.org			X		X		X		X	
Trade Associations	http://www.ima.org/3/MA/MA/News/Industry_News/2014/November/EPA_Announces_Final_Tier_II_listing_Chemicals_for_TSCA_Review.aspx			X		X		X		X	
Trade Associations	https://www.irma.org/PDF/RegulatoryUpdates/2014/MonetVela.pdf	Industry response to Prop 65	X			X		X		X	
Trade Associations	http://www.inda.org/BIO/wow2010_242_PPT.pdf			X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Trade Associations	www.ipc.org			X		X		X		X	
Trade Associations	http://www.isri.org/docs/default-source/osh-safety/osh3151_ppe.pdf?sfvrsn=2			X		X		X		X	
Trade Associations	www.issa.com			X		X		X		X	
Trade Associations	www.jpma.org			X		X		X		X	
Trade Associations	https://www.mema.org/epa-announces-top-10-high-priority-chemicals			X		X		X		X	
Trade Associations	www.nasf.org			X		X		X		X	
Trade Associations	www.nema.org			X		X		X		X	
Trade Associations	www.ngsa.org			X		X		X		X	
Trade Associations	www.nmpgroup.com			X		X		X		X	
Trade Associations	https://www.pei.org/sites/default/files/PDF/IndustryIssues_Lorri.pdf			X		X		X		X	
Trade Associations	http://www.personalcarecouncil.org/newsroom/20070201	Statement on 1,4Dioxane ban in pcps		X		X	X			X	
Trade Associations	http://www.personalcarecouncil.org/newsroom/20101101			X		X		X		X	
Trade Associations	http://www.personalcarecouncil.org/newsroom/20090311			X		X		X		X	
Trade Associations	http://www.personalcarecouncil.org/newsroom			X		X		X		X	
Trade Associations	http://www.personalcarecouncil.org/sites/default/files/July2011Summary.pdf			X		X		X		X	
Trade Associations	http://www.personalcarecouncil.org/sites/default/files/RMIFGuidance100806.doc			X		X		X		X	
Trade Associations	http://www.personalcarecouncil.org/sites/default/files/INCINamesandMonolDs1.pdf			X		X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
Trade Associations	http://www.personalcarecouncil.org/sites/default/files/Rathman.pdf	exposure model to be aware of		X		X	X			X	
Trade Associations	www.pmpa.org			X		X		X		X	
Trade Associations	www.powertoolinstitute.com			X		X		X		X	
Trade Associations	www.printing.org			X		X		X		X	
Trade Associations	www.pstc.org			X		X		X		X	
Trade Associations	www.roofcoatings.org			X		X		X		X	
Trade Associations	https://www.sema.org/sema-enews/2016/48/epa-takes-first-step-toward-regulating-10-chemicals			X		X		X		X	
Trade Associations	https://www.sema.org/sema-news/2017/02/law-and-order			X		X		X		X	
Trade Associations	https://www.sema.org/sema-enews/2016/48/full			X		X		X		X	
Trade Associations	www.sme.org			X		X		X		X	
Trade Associations	www.steel.org			X		X		X		X	
Trade Associations	www.tcata.org			X		X		X		X	
Trade Associations	www.trsa.org			X		X		X		X	
Trade Associations	www.vinylsiding.org			X		X		X		X	
Trade Associations	www.xpsa.com			X		X		X		X	
Other items from ERG search to support lifecycle diagrams	https://www.epa.gov/sites/production/files/2016-05/documents/instructions_for_reporting_2016_tca_cr_13may2016.pdf	2016 TSCA Chemical Data Reporting. 2016.	X			X		X		X	
Other items from ERG search to support lifecycle diagrams	Book	Methods and Machinery. 2014, Oxford, UK: Elsevier.	X			X		X		X	

Source	General Information about Result		Subject-Matter Tags								Notes
	URL	Annotation	Engineering		Fate		Exposure		Human Health		
			On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	On-Topic	Off-Topic	
OPPT Hazard Characterizations	https://ofmpub.epa.gov/oppt/hpv_hc_characterization.get_report_by_cas?doctype=2	OPPT Hazard Characterizations		X		X		X		X	
EHPV Program Submissions - Supporting Information	https://www.regulations.gov/docket?D=EPA-HQ-OPPT-2006-1020	EHPV Program Submissions - Supporting Information		X		X		X		X	
OPPT Risk-Based Prioritizations	https://iaspub.epa.gov/oppt/hpv/existchem_hpv_prioritizations.report	OPPT Risk-Based Prioritizations		X		X		X		X	
NIH LACTMED	https://toxnet.nlm.nih.gov/newtoxnet/lactmed.htm	NIH LACTMED		X		X		X		X	