Michael SvÃ¤rd

List of Publications by Year
in descending order

43 papers	915 citations	361413 20 h-index	477307 29 g-index
43 all docs	43 docs citations	43 times ranked	897 citing authors

#	Article	IF	Citations
1	Impact of process parameters on product size and morphology in hydrometallurgical antisolvent crystallization. CrystEngComm, 2022, 24, 2851-2866.	2.6	9
2	Characterization and Crystal Nucleation Kinetics of a New Metastable Polymorph of Piracetam in Alcoholic Solvents. Crystal Growth and Design, 2022, 22, 2964-2973.	3.0	7
3	Mesoscale clusters of organic solutes in solution and their role in crystal nucleation. CrystEngComm, 2022, 24, 5182-5193.	2.6	6
4	Solubility and thermodynamic analysis of famotidine polymorphs in pure solvents. International Journal of Pharmaceutics, 2021, 607, 121031.	5.2	7
5	Phase equilibria of ammonium scandium fluoride phases in aqueous alcohol mixtures for metal recovery by anti-solvent crystallization. Separation and Purification Technology, 2020, 252, 117449.	7.9	13
6	Precipitation and Crystallization Used in the Production of Metal Salts for Li-Ion Battery Materials: A Review. Metals, 2020, 10, 1609.	2.3	22
7	Thermodynamics of the Enantiotropic Pharmaceutical Compound Benzocaine and Solubility in Pure Organic Solvents. Journal of Pharmaceutical Sciences, 2020, 109, 3370-3377.	3.3	10
8	Solubility and thermodynamic analysis of ketoprofen in organic solvents. International Journal of Pharmaceutics, 2020, 588, 119686.	5.2	17
9	Solubility of Two Polymorphs of Tolbutamide in n-Propanol: Comparison of Methods. Journal of Pharmaceutical Sciences, 2020, 109, 3021-3026.	3.3	5
10	Solution and calorimetric thermodynamic study of a new 1â€‰:â€‰1 sulfamethazineâ€“3-methylsalicylic acid co-crystal. CrystEngComm, 2020, 22, 3463-3473.	2.6	10
11	Calorimetric Determination of Cocrystal Thermodynamic Stability: Sulfamethazineâ€“Salicylic Acid Case Study. Crystal Growth and Design, 2020, 20, 4243-4251.	3.0	17
12	Crystal nucleation of salicylamide and a comparison with salicylic acid. CrystEngComm, 2020, 22, 3329-3339.	2.6	11
13	Rationalising crystal nucleation of organic molecules in solution using artificial neural networks. CrystEngComm, 2019, 21, 449-461.	2.6	3
14	Solid and Solution State Thermodynamics of Polymorphs of Butamben (Butyl 4-Aminobenzoate) in Pure Organic Solvents. Journal of Pharmaceutical Sciences, 2019, 108, 2377-2382.	3.3	7
15	Investigation of solidâ€“liquid phase diagrams of the sulfamethazineâ€“salicylic acid co-crystal. CrystEngComm, 2019, 21, 2863-2874.	2.6	31
16	DTPA-Functionalized Silica Nano- and Microparticles for Adsorption and Chromatographic Separation of Rare Earth Elements. ACS Sustainable Chemistry and Engineering, 2018, 6, 6889-6900.	6.7	49
17	Synthesis, crystallisation and thermodynamics of two polymorphs of a new derivative of meglumine: 1-(2,2,3-trimethyl-1,3-oxazolidin-5-yl)-butane-1,2,3,4-tetrol. CrystEngComm, 2018, 20, 88-95.	2.6	2
18	Crystal Growth of Salicylamide in Organic Solvents. Crystal Growth and Design, 2018, 18, 7305-7315.	3.0	17

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19	Solute clustering in undersaturated solutions â€“ systematic dependence on time, temperature and concentration. Physical Chemistry Chemical Physics, 2018, 20, 15550-15559.	2.8	15
20	Crystal Growth of Salicylic Acid in Organic Solvents. Crystal Growth and Design, 2017, 17, 2964-2974.	3.0	22
21	Thermodynamic Stability Analysis of Tolbutamide Polymorphs andÂSolubility in Organic Solvents. Journal of Pharmaceutical Sciences, 2016, 105, 1901-1906.	3.3	23
22	Prediction of the Solubility of Medium-Sized Pharmaceutical Compounds Using a Temperature-Dependent NRTL-SAC Model. Industrial & Engineering Chemistry Research, 2016, 55, 11150-11159.	3.7	27
23	Improving Estimates of the Crystallization Driving Force: Investigation into the Dependence on Temperature and Composition of Activity Coefficients in Solution. Crystal Growth and Design, 2016, 16, 6951-6960.	3.0	18
24	Calorimetric Properties and Solubility in Five Pure Organic Solvents of N-Methyl-<scp>d</scp>-Glucamine (Meglumine). Journal of Chemical & Engineering Data, 2016, 61, 1199-1204.	1.9	11
25	Solubility and Crystal Nucleation in Organic Solvents of Two Polymorphs of Curcumin. Journal of Pharmaceutical Sciences, 2015, 104, 2183-2189.	3.3	39
26	Influence of Agitation on Primary Nucleation in Stirred Tank Crystallizers. Crystal Growth and Design, 2015, 15, 4177-4184.	3.0	35
27	Investigation into solid and solution properties of quinizarin. CrystEngComm, 2015, 17, 3985-3997.	2.6	16
28	Thermodynamics of risperidone and solubility in pure organic solvents. Fluid Phase Equilibria, 2014, 375, 73-79.	2.5	26
29	Thermodynamics of fenofibrate and solubility in pure organic solvents. Fluid Phase Equilibria, 2014, 367, 143-150.	2.5	36
30	Influence of Agitation and Fluid Shear on Nucleation of m-Hydroxybenzoic Acid Polymorphs. Crystal Growth and Design, 2014, 14, 5521-5531.	3.0	44
31	Analysis of the structure and morphology of fenoxycarb crystals. Journal of Molecular Graphics and Modelling, 2014, 53, 92-99.	2.4	6
32	Influence of Solvent and Solid-State Structure on Nucleation of Parabens. Crystal Growth and Design, 2014, 14, 3890-3902.	3.0	54
33	(Solid+liquid) solubility of organic compounds in organic solvents â€“ Correlation and extrapolation. Journal of Chemical Thermodynamics, 2014, 76, 124-133.	2.0	26
34	Primary nucleation of salicylamide: the influence of process conditions and solvent on the metastable zone width. CrystEngComm, 2013, 15, 7285.	2.6	31
35	Thermodynamics and nucleation of the enantiotropic compound p-aminobenzoic acid. CrystEngComm, 2013, 15, 5020.	2.6	40
36	m-Hydroxybenzoic Acid: Quantifying Thermodynamic Stability and Influence of Solvent on the Nucleation of a Polymorphic System. Crystal Growth and Design, 2013, 13, 1140-1152.	3.0	35

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37	Thermodynamics of fenoxycarb in solution. Journal of Chemical Thermodynamics, 2013, 66, 50-58.	2.0	17
38	Influence of Solution Thermal and Structural History on the Nucleation of m-Hydroxybenzoic Acid Polymorphs. Crystal Growth and Design, 2012, 12, 4340-4348.	3.0	30
39	Structural and energetic aspects of the differences between real and predicted polymorphs. Crystal Research and Technology, 2010, 45, 867-878.	1.3	1
40	Thermodynamics and Nucleation Kinetics of m-Aminobenzoic Acid Polymorphs. Crystal Growth and Design, 2010, 10, 195-204.	3.0	58
41	Force Fields and Point Charges for Crystal Structure Modeling. Industrial & Engineering Chemistry Research, 2009, 48, 2899-2912.	3.7	24
42	Oiling out or molten hydrateâ€”liquidâ€“liquid phase separation in the system vanillinâ€“water. Journal of Pharmaceutical Sciences, 2007, 96, 2390-2398.	3.3	38
43	4-Aminophenylacetic acid. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1536-o1537.	0.2	0