Ãke C Rasmuson

List of Publications by Year in descending order

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		87888	138484
137	4,610	38	58
papers	citations	h-index	g-index
137	137	137	3032
all docs	docs citations	times ranked	citing authors

<u>Ã KE C RASMUSON</u>

#	Article	IF	CITATIONS
1	Molecular Clustering of Fenoxycarb and Salicylic Acid in Organic Solvents and Relation to Crystal Nucleation. Crystal Growth and Design, 2022, 22, 2824-2836.	3.0	6
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	Effects of structurally – related impurities on the crystal growth of curcumin spherulites. CrystEngComm, 2022, 24, 5156-5169.	2.6	2
4	Nucleation of the Theophylline:Salicylic Acid 1:1 Cocrystal. Crystal Growth and Design, 2021, 21, 2711-2719.	3.0	13
5	Nucleation in the Theophylline/Glutaric Acid Cocrystal System. Crystal Growth and Design, 2021, 21, 3967-3980.	3.0	3
6	Single Crystal Growth Kinetics of Two Polymorphs of Piracetam. Crystal Growth and Design, 2021, 21, 5631-5640.	3.0	5
7	Pure Curcumin Spherulites from Impure Solutions <i>via</i> Nonclassical Crystallization. ACS Omega, 2021, 6, 23884-23900.	3.5	10
8	Ketoprofen Solubility in Pure Organic Solvents Using <i>In Situ</i> FTIR and UV–Vis and Analysis of Solution Thermodynamics. Organic Process Research and Development, 2021, 25, 2403-2414.	2.7	6
9	Separation of valuable elements from NiMH battery leach liquor via antisolvent precipitation. Separation and Purification Technology, 2020, 234, 115812.	7.9	25
10	Analysis and Artificial Neural Network Prediction of Melting Properties and Ideal Mole fraction Solubility of Cocrystals. Crystal Growth and Design, 2020, 20, 5745-5759.	3.0	14
11	Influence of solvent on crystal nucleation of benzocaine. CrystEngComm, 2020, 22, 8330-8342.	2.6	4
12	Thermodynamics of the Enantiotropic Pharmaceutical Compound Benzocaine and Solubility in Pure Organic Solvents. Journal of Pharmaceutical Sciences, 2020, 109, 3370-3377.	3.3	10
13	Solubility and thermodynamic analysis of ketoprofen in organic solvents. International Journal of Pharmaceutics, 2020, 588, 119686.	5.2	17
14	Solubility of Two Polymorphs of Tolbutamide in n-Propanol: Comparison of Methods. Journal of Pharmaceutical Sciences, 2020, 109, 3021-3026.	3.3	5
15	Solubility of Salicylic Acid, Salicylamide, and Fenofibrate in Organic Solvents at Low Temperatures. Journal of Chemical & Engineering Data, 2020, 65, 4855-4861.	1.9	7
16	Calorimetric Determination of Cocrystal Thermodynamic Stability: Sulfamethazine–Salicylic Acid Case Study. Crystal Growth and Design, 2020, 20, 4243-4251.	3.0	17
17	Growth kinetics of curcumin form I. CrystEngComm, 2020, 22, 3505-3518.	2.6	10
18	Crystal nucleation of salicylamide and a comparison with salicylic acid. CrystEngComm, 2020, 22, 3329-3339.	2.6	11

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19	Drug Loading and Dissolution Properties of Dalcetrapib–Montmorillonite Nanocomposite Microparticles. Organic Process Research and Development, 2020, 24, 977-987.	2.7	6
20	Crystal Growth Kinetics of Pharmaceutical Compounds. Crystal Growth and Design, 2020, 20, 7626-7639.	3.0	13
21	On the estimation of crystallization driving forces. CrystEngComm, 2019, 21, 5164-5173.	2.6	7
22	Crystallization Process Analysis by Population Balance Modeling. , 2019, , 172-196.		2
23	Rationalising crystal nucleation of organic molecules in solution using artificial neural networks. CrystEngComm, 2019, 21, 449-461.	2.6	3
24	Crystal Growth Kinetics of Piracetam Polymorphs in Ethanol and Isopropanol. Crystal Growth and Design, 2019, 19, 4273-4286.	3.0	23
25	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
26	Advanced Size Distribution Control in Batch Cooling Crystallization Using Ultrasound. Organic Process Research and Development, 2019, 23, 935-944.	2.7	4
27	Probing Crystal Nucleation of Fenoxycarb from Solution through the Effect of Solvent. Crystal Growth and Design, 2019, 19, 2037-2049.	3.0	27
28	Face indexing and shape analysis of salicylamide crystals grown in different solvents. CrystEngComm, 2019, 21, 2648-2659.	2.6	18
29	Investigation of solid–liquid phase diagrams of the sulfamethazine–salicylic acid co-crystal. CrystEngComm, 2019, 21, 2863-2874.	2.6	31
30	Promotion of Mefenamic Acid Nucleation by a Surfactant Additive, Docusate Sodium. Crystal Growth and Design, 2019, 19, 591-603.	3.0	15
31	Controlling the Product Crystal Size Distribution by Strategic Application of Ultrasonication. Crystal Growth and Design, 2018, 18, 1697-1709.	3.0	13
32	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
33	Crystal Nucleation of Tolbutamide in Solution: Relationship to Solvent, Solute Conformation, and Solution Structure. Chemistry - A European Journal, 2018, 24, 4916-4926.	3.3	49
34	Recoveries of Valuable Metals from Spent Nickel Metal Hydride Vehicle Batteries via Sulfation, Selective Roasting, and Water Leaching. Journal of Sustainable Metallurgy, 2018, 4, 313-325.	2.3	26
35	Prediction of Solid State Properties of Cocrystals Using Artificial Neural Network Modeling. Crystal Growth and Design, 2018, 18, 133-144.	3.0	28
36	Crystal Growth of Salicylamide in Organic Solvents. Crystal Growth and Design, 2018, 18, 7305-7315.	3.0	17

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37	Solute clustering in undersaturated solutions – systematic dependence on time, temperature and concentration. Physical Chemistry Chemical Physics, 2018, 20, 15550-15559.	2.8	15
38	Influence of Structurally Related Impurities on the Crystal Nucleation of Curcumin. Crystal Growth and Design, 2018, 18, 4715-4723.	3.0	33
39	Recovery of rare earth elements from nitrophosphoric acid solutions. Hydrometallurgy, 2017, 169, 253-262.	4.3	26
40	Crystal Growth of Salicylic Acid in Organic Solvents. Crystal Growth and Design, 2017, 17, 2964-2974.	3.0	22
41	Extraction and Purification of Curcuminoids from Crude Curcumin by a Combination of Crystallization and Chromatography. Organic Process Research and Development, 2017, 21, 821-826.	2.7	36
42	Estimation of Melting Temperature of Molecular Cocrystals Using Artificial Neural Network Model. Crystal Growth and Design, 2017, 17, 175-182.	3.0	18
43	Stepwise Use of Additives for Improved Control over Formation and Stability of Mefenamic Acid Nanocrystals Produced by Antisolvent Precipitation. Crystal Growth and Design, 2017, 17, 454-466.	3.0	20
44	Size and Shape Control of Micron-Sized Salicylic Acid Crystals during Antisolvent Crystallization. Organic Process Research and Development, 2017, 21, 1732-1740.	2.7	19
45	Carrier particle design for stabilization and isolation of drug nanoparticles. International Journal of Pharmaceutics, 2017, 518, 111-118.	5.2	15
46	Thermodynamic Stability Analysis of Tolbutamide Polymorphs andÂSolubility in Organic Solvents. Journal of Pharmaceutical Sciences, 2016, 105, 1901-1906.	3.3	23
47	Process Parameters in the Purification of Curcumin by Cooling Crystallization. Organic Process Research and Development, 2016, 20, 1593-1602.	2.7	35
48	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
49	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
50	Calorimetric Properties and Solubility in Five Pure Organic Solvents of <i>N</i> -Methyl- <scp>d</scp> -Glucamine (Meglumine). Journal of Chemical & Engineering Data, 2016, 61, 1199-1204.	1.9	11
51	Separation of ND(III), DY(III) and Y(III) by solvent extraction using D2EHPA and EHEHPA. Hydrometallurgy, 2015, 156, 215-224.	4.3	85
52	Solubility and Crystal Nucleation in Organic Solvents of Two Polymorphs of Curcumin. Journal of Pharmaceutical Sciences, 2015, 104, 2183-2189.	3.3	39
53	Crystal nucleation of salicylic acid in organic solvents. CrystEngComm, 2015, 17, 3961-3973.	2.6	44
54	Demonstrating the Influence of Solvent Choice and Crystallization Conditions on Phenacetin Crystal Habit and Particle Size Distribution. Organic Process Research and Development, 2015, 19, 1826-1836.	2.7	35

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55	Influence of Agitation on Primary Nucleation in Stirred Tank Crystallizers. Crystal Growth and Design, 2015, 15, 4177-4184.	3.0	35
56	Influence of solvent on crystal nucleation of risperidone. Faraday Discussions, 2015, 179, 309-328.	3.2	62
57	Solvent and additive interactions as determinants in the nucleation pathway: general discussion. Faraday Discussions, 2015, 179, 383-420.	3.2	18
58	Thermodynamics and crystallization of a theophylline–salicylic acid cocrystal. CrystEngComm, 2015, 17, 4125-4135.	2.6	38
59	Investigation into solid and solution properties of quinizarin. CrystEngComm, 2015, 17, 3985-3997.	2.6	16
60	Investigation of the Particle Growth of Fenofibrate following Antisolvent Precipitation and Freeze–Drying. Crystal Growth and Design, 2015, 15, 5213-5222.	3.0	24
61	Phase equilibrium and mechanisms of crystallization in liquid–liquid phase separating system. Fluid Phase Equilibria, 2015, 385, 120-128.	2.5	29
62	Thermodynamics of risperidone and solubility in pure organic solvents. Fluid Phase Equilibria, 2014, 375, 73-79.	2.5	26
63	Thermodynamics of fenofibrate and solubility in pure organic solvents. Fluid Phase Equilibria, 2014, 367, 143-150.	2.5	36
64	Semibatch reaction crystallization of salicylic acid. Chemical Engineering Research and Design, 2014, 92, 522-533.	5.6	9
65	Influence of Agitation and Fluid Shear on Nucleation of <i>m</i> -Hydroxybenzoic Acid Polymorphs. Crystal Growth and Design, 2014, 14, 5521-5531.	3.0	44
66	Sandwich crystals of butyl paraben. CrystEngComm, 2014, 16, 8863-8873.	2.6	19
67	Influence of History of Solution in Crystal Nucleation of Fenoxycarb: Kinetics and Mechanisms. Crystal Growth and Design, 2014, 14, 905-915.	3.0	26
68	Analysis of the structure and morphology of fenoxycarb crystals. Journal of Molecular Graphics and Modelling, 2014, 53, 92-99.	2.4	6
69	Solution-Mediated Polymorphic Transformation: Form II to Form III Piracetam in Organic Solvents. Crystal Growth and Design, 2014, 14, 3967-3974.	3.0	46
70	Investigating the Role of Solvent–Solute Interaction in Crystal Nucleation of Salicylic Acid from Organic Solvents. Journal of the American Chemical Society, 2014, 136, 11664-11673.	13.7	98
71	Influence of Solvent and Solid-State Structure on Nucleation of Parabens. Crystal Growth and Design, 2014, 14, 3890-3902.	3.0	54
72	(Solid+liquid) solubility of organic compounds in organic solvents – Correlation and extrapolation. Journal of Chemical Thermodynamics, 2014, 76, 124-133.	2.0	26

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73	Solution-Mediated Polymorphic Transformation of FV Sulphathiazole. Crystal Growth and Design, 2014, 14, 3466-3471.	3.0	18
74	Ternary phase diagrams of ethyl paraben and propyl paraben in ethanol aqueous solvents. Fluid Phase Equilibria, 2014, 376, 69-75.	2.5	29
75	Primary nucleation of salicylamide: the influence of process conditions and solvent on the metastable zone width. CrystEngComm, 2013, 15, 7285.	2.6	31
76	Nucleation of Butyl Paraben in Different Solvents. Crystal Growth and Design, 2013, 13, 4226-4238.	3.0	61
77	Influence of Agitation and Fluid Shear on Primary Nucleation in Solution. Crystal Growth and Design, 2013, 13, 4385-4394.	3.0	77
78	Thermodynamics and nucleation of the enantiotropic compound p-aminobenzoic acid. CrystEngComm, 2013, 15, 5020.	2.6	40
79	Thermodynamics and Crystallization of the Theophylline–Glutaric Acid Cocrystal. Crystal Growth and Design, 2013, 13, 1153-1161.	3.0	55
80	<i>m</i> -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
81	Solution mediated phase transformations between co-crystals. CrystEngComm, 2013, 15, 2044.	2.6	17
82	Investigation into the Mechanism of Solution-Mediated Transformation from FI to FIII Carbamazepine: The Role of Dissolution and the Interaction between Polymorph Surfaces. Crystal Growth and Design, 2013, 13, 1861-1871.	3.0	41
83	Measuring the Solubility of a Quickly Transforming Metastable Polymorph of Carbamazepine. Organic Process Research and Development, 2013, 17, 512-518.	2.7	27
84	Nucleation in the <i>p</i> -Toluenesulfonamide/Triphenylphosphine Oxide Co-crystal System. Crystal Growth and Design, 2013, 13, 3754-3762.	3.0	15
85	Thermodynamics of fenoxycarb in solution. Journal of Chemical Thermodynamics, 2013, 66, 50-58.	2.0	17
86	Ethyl <i>N</i> -[2-(4-phenoxyphenoxy)ethyl]carbamate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2834-o2835.	0.2	6
87	Investigation of the Solid-State Polymorphic Transformations of Piracetam. Crystal Growth and Design, 2012, 12, 6223-6233.	3.0	37
88	Isolation of Pharmaceutical Intermediates through Solid Supported Evaporation. Semicontinuous Operation Mode. Industrial & Engineering Chemistry Research, 2012, 51, 14814-14823.	3.7	0
89	Investigation of Batch Cooling Crystallization in a Liquid–Liquid Separating System by PAT. Organic Process Research and Development, 2012, 16, 1212-1224.	2.7	44
90	Influence of Solution Thermal and Structural History on the Nucleation of <i>m</i> -Hydroxybenzoic Acid Polymorphs. Crystal Growth and Design, 2012, 12, 4340-4348.	3.0	30

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91	Solubility of the Metastable Polymorph of Piracetam (Form II) in a Range of Solvents. Journal of Chemical & Engineering Data, 2012, 57, 3525-3531.	1.9	35
92	Solution Mediated Polymorphic Transformation: Form II to Form III Piracetam in Ethanol. Crystal Growth and Design, 2012, 12, 6151-6157.	3.0	48
93	Examining Solution and Solid State Composition for the Solution-Mediated Polymorphic Transformation of Carbamazepine and Piracetam. Crystal Growth and Design, 2012, 12, 1925-1932.	3.0	81
94	The theophylline–oxalic acid co-crystal system: solid phases, thermodynamics and crystallisation. CrystEngComm, 2012, 14, 4644.	2.6	41
95	Thermodynamics of molecular solids in organic solvents. Journal of Chemical Thermodynamics, 2012, 48, 150-159.	2.0	33
96	Analysis of FII crystals of sulfathiazole: epitaxial growth of FII on FIV. CrystEngComm, 2011, 13, 831-834.	2.6	13
97	Structural and energetic aspects of the differences between real and predicted polymorphs. Crystal Research and Technology, 2010, 45, 867-878.	1.3	1
98	Solubility of Benzoic Acid in Pure Solvents and Binary Mixtures. Journal of Chemical & Engineering Data, 2010, 55, 5124-5127.	1.9	82
99	Thermodynamics and Nucleation Kinetics of m-Aminobenzoic Acid Polymorphs. Crystal Growth and Design, 2010, 10, 195-204.	3.0	58
100	Solubility of Form III Piracetam in a Range of Solvents. Journal of Chemical & Engineering Data, 2010, 55, 5314-5318.	1.9	59
101	Solubility of Butyl Paraben in Methanol, Ethanol, Propanol, Ethyl Acetate, Acetone, and Acetonitrile. Journal of Chemical & Engineering Data, 2010, 55, 5091-5093.	1.9	69
102	Prediction of solubility curves and melting properties of organic and pharmaceutical compounds. European Journal of Pharmaceutical Sciences, 2009, 36, 330-344.	4.0	119
103	Towards predictive simulation of single feed semibatch reaction crystallization. Chemical Engineering Science, 2009, 64, 1559-1576.	3.8	13
104	Introduction to Crystallization of Fine Chemicals and Pharmaceuticals. , 2009, , 145-172.		4
105	Determination of the activity of a molecular solute in saturated solution. Journal of Chemical Thermodynamics, 2008, 40, 1684-1692.	2.0	47
106	Spherical crystallization of benzoic acid. International Journal of Pharmaceutics, 2008, 348, 61-69.	5.2	73
107	Agglomeration and adhesion free energy of paracetamol crystals in organic solvents. AICHE Journal, 2007, 53, 2590-2605.	3.6	30
108	Solubility and Melting Properties of Salicylamide. Journal of Chemical & Engineering Data, 2006, 51, 1775-1777.	1.9	39

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109	Solubility and Melting Properties of Salicylic Acid. Journal of Chemical & Engineering Data, 2006, 51, 1668-1671.	1.9	122
110	Crystallization of Stable and Metastable Phases of Phenylsuccinic Acid. Crystal Growth and Design, 2006, 6, 1143-1153.	3.0	3
111	Phase Equilibria and Thermodynamics of p-Hydroxybenzoic Acid. Journal of Pharmaceutical Sciences, 2006, 95, 748-760.	3.3	38
112	Crystal growth rates of paracetamol in mixtures of water + acetone + toluene. AICHE Journal, 2005, 51, 2441-2456.	3.6	24
113	Influence of Ultrasound on the Nucleation of Polymorphs ofp-Aminobenzoic Acid. Crystal Growth and Design, 2005, 5, 1787-1794.	3.0	91
114	Polymorphism and Crystallization ofp-Aminobenzoic Acid. Crystal Growth and Design, 2004, 4, 1013-1023.	3.0	122
115	Mesomixing in semi-batch reaction crystallization and influence of reactor size. AICHE Journal, 2004, 50, 3107-3119.	3.6	30
116	Aging of Reaction-Crystallized Benzoic Acid. Industrial & Engineering Chemistry Research, 2004, 43, 6694-6702.	3.7	24
117	Agglomeration of Paracetamol during Crystallization in Pure and Mixed Solvents. Industrial & Engineering Chemistry Research, 2004, 43, 629-637.	3.7	44
118	Influence of Additives on Nucleation of Vanillin:  Experiments and Introductory Molecular Simulations. Crystal Growth and Design, 2004, 4, 1025-1037.	3.0	34
119	Solubility of Phenylacetic Acid,p-Hydroxyphenylacetic Acid,p-Aminophenylacetic Acid,p-Hydroxybenzoic Acid, and Ibuprofen in Pure Solvents. Journal of Chemical & Engineering Data, 2002, 47, 1379-1383.	1.9	108
120	Prediction of Solubility of Solid Organic Compounds in Solvents by UNIFAC. Industrial & Engineering Chemistry Research, 2002, 41, 5114-5124.	3.7	98
121	Reaction crystallization kinetics of benzoic acid. AICHE Journal, 2001, 47, 1544-1560.	3.6	56
122	Influence of different scales of mixing in reaction crystallization. Chemical Engineering Science, 2001, 56, 2459-2473.	3.8	62
123	Turbulence Characteristics around the Agitator in a Dilute Suspension Journal of Chemical Engineering of Japan, 2001, 34, 654-661.	0.6	0
124	Solubility of Paracetamol in Binary and Ternary Mixtures of Water + Acetone + Toluene. Journal of Chemical & Engineering Data, 2000, 45, 478-483.	1.9	79
125	Product concentration profile in strained reacting fluid films. Chemical Engineering Science, 1999, 54, 483-494.	3.8	6
126	Solubility of Paracetamol in Pure Solvents. Journal of Chemical & Engineering Data, 1999, 44, 1391-1395.	1.9	321

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127	Hydrodynamics of suspensions agitated by pitched-blade turbine. AICHE Journal, 1998, 44, 513-527.	3.6	15
128	Solubility of Lobenzarit Disodium Salt in Ethanolâ^'Water Mixtures. Journal of Chemical & Engineering Data, 1998, 43, 681-682.	1.9	10
129	Mechanisms of initiation of incrustation. AICHE Journal, 1997, 43, 1300-1308.	3.6	19
130	Importance of macromixing in batch cooling crystallization. AICHE Journal, 1996, 42, 691-699.	3.6	12
131	Estimation of crystallization kinetics from batch cooling experiments. AICHE Journal, 1994, 40, 799-812.	3.6	33
132	THE FORMATION OF SUBMICRON ORGANIC PARTICLES BY PRECIPITATION IN AN EMULSION. Journal of Dispersion Science and Technology, 1994, 15, 89-117.	2.4	16
133	Application of controlled cooling and seeding in batch crystallization. Canadian Journal of Chemical Engineering, 1992, 70, 120-126.	1.7	59
134	Modeling of growth rate dispersion in batch cooling crystallization. AICHE Journal, 1992, 38, 1853-1863.	3.6	18
135	Nucleation and growth of succinic acid in a batch cooling crystallizer. AICHE Journal, 1991, 37, 1293-1304.	3.6	32
136	Crystal growth rate parameters from isothermal desupersaturation experiments. Chemical Engineering Science, 1991, 46, 1659-1667.	3.8	21
137	Growth and dissolution of succinic acid crystals in a batch stirred crystallizer. AICHE Journal, 1990, 36, 665-676.	3.6	45