

# Allan Myerson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5969560/publications.pdf>

Version: 2024-02-01

269  
papers

13,619  
citations

27035

58  
h-index

32181

105  
g-index

275  
all docs

275  
docs citations

275  
times ranked

11093  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impurity incorporation in solution crystallization: diagnosis, prevention, and control. CrystEngComm, 2022, 24, 1989-2001.	1.3	21
2	Impact of Critical Material Attributes (CMAs)-Particle Shape on Miniature Pharmaceutical Unit Operations. AAPS PharmSciTech, 2021, 22, 98.	1.5	11
3	Influence of Volume on the Nucleation of Model Organic Molecular Crystals through an Induction Time Approach. Crystal Growth and Design, 2021, 21, 2932-2941.	1.4	15
4	Mathematical modeling and experimental validation of continuous slug-flow tubular crystallization with ultrasonication-induced nucleation and spatially varying temperature. Chemical Engineering Research and Design, 2021, 169, 275-287.	2.7	13
5	On-Demand Continuous Manufacturing of Ciprofloxacin in Portable Plug-and-Play Factories: Implementation and <i>In Situ</i> Control of Downstream Production. Organic Process Research and Development, 2021, 25, 1534-1546.	1.3	18
6	Tunable protein crystal size distribution <i>via</i> continuous slug-flow crystallization with spatially varying temperature. CrystEngComm, 2021, 23, 6495-6505.	1.3	5
7	Solvothermal Crystallization Kinetics and Control of Crystal Size Distribution of MOF-808 in a Continuous Flow Reactor. Crystal Growth and Design, 2021, 21, 6529-6536.	1.4	15
8	A Compact Device for the Integrated Filtration, Drying, and Mechanical Processing of Active Pharmaceutical Ingredients. Journal of Pharmaceutical Sciences, 2020, 109, 1365-1372.	1.6	15
9	Continuous Production of Five Active Pharmaceutical Ingredients in Flexible Plug-and-Play Modules: A Demonstration Campaign. Organic Process Research and Development, 2020, 24, 2183-2196.	1.3	50
10	Process Intensification in Continuous Crystallization. , 2020, , 266-320.		4
11	Incorporating Solvent-Dependent Kinetics To Design a Multistage, Continuous, Combined Cooling/Antisolvent Crystallization Process. Organic Process Research and Development, 2019, 23, 1960-1969.	1.3	15
12	Solutions and Solution Properties. , 2019, , 1-31.		3
13	Crystals and Crystal Growth. , 2019, , 32-75.		11
14	Crystal Nucleation. , 2019, , 76-114.		13
15	The Influence of Impurities and Additives on Crystallization. , 2019, , 115-135.		3
16	Molecular Modeling Applications in Crystallization. , 2019, , 136-171.		3
17	Selection and Design of Industrial Crystallizers. , 2019, , 197-215.		3
18	Monitoring and Advanced Control of Crystallization Processes. , 2019, , 313-345.		5

#	ARTICLE	IF	CITATIONS
19	Crystallization in the Pharmaceutical Industry. , 2019, , 380-413.		4
20	Crystallization of Proteins. , 2019, , 414-459.		2
21	On-Demand Manufacturing of Direct Compressible Tablets: Can Formulation Be Simplified?. Pharmaceutical Research, 2019, 36, 167.	1.7	13
22	Methods for estimating supersaturation in antisolvent crystallization systems. CrystEngComm, 2019, 21, 5811-5817.	1.3	22
23	Polymorph control in batch seeded crystallizers. A case study with paracetamol. CrystEngComm, 2019, 21, 2105-2118.	1.3	33
24	The use of biocompatible crystalline substrates for the heterogeneous nucleation and polymorphic selection of indomethacin. CrystEngComm, 2019, 21, 2193-2202.	1.3	9
25	Mixed-Suspension, Mixed-Product Removal Studies of Ciprofloxacin from Pure and Crude Active Pharmaceutical Ingredients: The Role of Impurities on Solubility and Kinetics. Crystal Growth and Design, 2019, 19, 4008-4018.	1.4	20
26	Solubility Studies of Cyclosporine Using Ionic Liquids. ACS Omega, 2019, 4, 7938-7943.	1.6	18
27	Polymorph Control in MSMPR Crystallizers. A Case Study with Paracetamol. Organic Process Research and Development, 2019, 23, 794-806.	1.3	17
28	Inhibition of Nucleation Using a Dilute, Weakly Hydrogen-Bonding Molecular Additive. Crystal Growth and Design, 2018, 18, 3584-3595.	1.4	27
29	A compact, portable, re-configurable, and automated system for on-demand pharmaceutical tablet manufacturing. International Journal of Pharmaceutics, 2018, 539, 157-164.	2.6	24
30	Nucleation and Growth Kinetics for Combined Cooling and Antisolvent Crystallization in a Mixed-Suspension, Mixed-Product Removal System: Estimating Solvent Dependency. Crystal Growth and Design, 2018, 18, 1560-1570.	1.4	43
31	Ionic liquids in cross-coupling reactions: â€œliquidâ€-solutions to a â€œsolidâ€-precipitation problem. Chemical Communications, 2018, 54, 2056-2059.	2.2	12
32	Advanced Continuous Flow Platform for Onâ€-Demand Pharmaceutical Manufacturing. Chemistry - A European Journal, 2018, 24, 2776-2784.	1.7	81
33	Low Energy Nanoemulsions as Templates for the Formulation of Hydrophobic Drugs. Advanced Therapeutics, 2018, 1, 1700020.	1.6	22
34	Exploring the role of ionic liquids to tune the polymorphic outcome of organic compounds. Chemical Science, 2018, 9, 1510-1520.	3.7	30
35	Comparison of fouling propensity between reverse osmosis, forward osmosis, and membrane distillation. Journal of Membrane Science, 2018, 556, 352-364.	4.1	101
36	SURMOF induced polymorphism and crystal morphological engineering of acetaminophen polymorphs: advantage of heterogeneous nucleation. CrystEngComm, 2018, 20, 2084-2088.	1.3	13

#	ARTICLE	IF	CITATIONS
37	Demonstration of pharmaceutical tablet coating process by injection molding technology. <i>International Journal of Pharmaceutics</i> , 2018, 535, 106-112.	2.6	6
38	Surface functionalization in combination with confinement for crystallization from undersaturated solutions. <i>CrystEngComm</i> , 2018, 20, 6136-6139.	1.3	10
39	Development of Continuous Spherical Crystallization to Prepare Fenofibrate Agglomerates with Impurity Complexation Using Mixed-Suspension, Mixed-Product Removal Crystallizer. <i>Crystal Growth and Design</i> , 2018, 18, 6448-6454.	1.4	18
40	SURMOF Induced Morphological Crystal Engineering of Substituted Benzamides. <i>Crystal Growth and Design</i> , 2018, 18, 7048-7058.	1.4	5
41	Estimation of the Solubility of Metastable Polymorphs: A Critical Review. <i>Crystal Growth and Design</i> , 2018, 18, 7228-7237.	1.4	60
42	General Method for the Identification of Crystal Faces Using Raman Spectroscopy Combined with Machine Learning and Application to the Epitaxial Growth of Acetaminophen. <i>Langmuir</i> , 2018, 34, 9836-9846.	1.6	3
43	Cocrystal formation by ionic liquid-assisted grinding: case study with cocrystals of caffeine. <i>CrystEngComm</i> , 2018, 20, 3817-3821.	1.3	37
44	Continuous Crystallization with Impurity Complexation and Nanofiltration Recycle. <i>Organic Process Research and Development</i> , 2017, 21, 253-261.	1.3	24
45	Continuous Crystallization of Cyclosporine: Effect of Operating Conditions on Yield and Purity. <i>Crystal Growth and Design</i> , 2017, 17, 1000-1007.	1.4	46
46	The A Priori Design and Selection of Ionic Liquids as Solvents for Active Pharmaceutical Ingredients. <i>Chemistry - A European Journal</i> , 2017, 23, 5498-5508.	1.7	26
47	Nucleation Inhibition of Benzoic Acid through Solution Complexation. <i>Crystal Growth and Design</i> , 2017, 17, 2646-2653.	1.4	16
48	Angle-Directed Nucleation of Paracetamol on Biocompatible Nanoimprinted Polymers. <i>Crystal Growth and Design</i> , 2017, 17, 2955-2963.	1.4	18
49	Effect of Air Injection on Nucleation Rates: An Approach from Induction Time Statistics. <i>Crystal Growth and Design</i> , 2017, 17, 3287-3294.	1.4	17
50	Continuous Heterogeneous Crystallization on Excipient Surfaces. <i>Crystal Growth and Design</i> , 2017, 17, 3321-3330.	1.4	33
51	Experimental and Mechanistic Study of the Heterogeneous Nucleation and Epitaxy of Acetaminophen with Biocompatible Crystalline Substrates. <i>Crystal Growth and Design</i> , 2017, 17, 3783-3795.	1.4	22
52	Reversible control of solubility using functionalized nanoparticles. <i>Chemical Communications</i> , 2017, 53, 1429-1432.	2.2	6
53	Integrated hot-melt extrusion "injection molding continuous tablet manufacturing platform: Effects of critical process parameters and formulation attributes on product robustness and dimensional stability. <i>International Journal of Pharmaceutics</i> , 2017, 531, 332-342.	2.6	23
54	Complexation-Assisted Continuous Crystallization of Isomeric Systems with Nanofiltration Recycle. <i>Crystal Growth and Design</i> , 2017, 17, 5506-5516.	1.4	4

#	ARTICLE	IF	CITATIONS
55	Separate mechanisms of ion oligomerization tune the physicochemical properties of n-butylammonium acetate: cation-base clusters vs. anion-acid dimers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25544-25554.	1.3	18
56	Development of Maltodextrin-Based Immediate-Release Tablets Using an Integrated Twin-Screw Hot-Melt Extrusion and Injection-Molding Continuous Manufacturing Process. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3328-3336.	1.6	20
57	Two-Stage Crystallizer Design for High Loading of Poorly Water-Soluble Pharmaceuticals in Porous Silica Matrices. <i>Crystals</i> , 2017, 7, 131.	1.0	6
58	Methods for Nano-Crystals Preparation. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017, , 275-287.	0.5	4
59	Core-Shell Composite Hydrogels for Controlled Nanocrystal Formation and Release of Hydrophobic Active Pharmaceutical Ingredients. <i>Advanced Healthcare Materials</i> , 2016, 5, 1960-1968.	3.9	45
60	On-demand continuous-flow production of pharmaceuticals in a compact, reconfigurable system. <i>Science</i> , 2016, 352, 61-67.	6.0	751
61	Mathematical Modeling of Layer Crystallization on a Cold Column with Recirculation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 5019-5029.	1.8	26
62	Crystallization of Calcium Sulphate During Phosphoric Acid Production: Modeling Particle Shape and Size Distribution. <i>Procedia Engineering</i> , 2016, 138, 390-402.	1.2	20
63	Molecular Modeling on the Role of Local Concentration in the Crystallization of l-Methionine from Aqueous Solution. <i>Crystal Growth and Design</i> , 2016, 16, 3454-3464.	1.4	13
64	Mechanism of Contact-Induced Heterogeneous Nucleation. <i>Crystal Growth and Design</i> , 2016, 16, 6131-6138.	1.4	23
65	Double Salt Ionic Liquids Containing the Trihexyl(tetradecyl)phosphonium Cation: The Ability to Tune the Solubility of Aromatics, Ethers, and Lipophilic Compounds. <i>ECS Transactions</i> , 2016, 75, 451-465.	0.3	8
66	Purification of nitrophenols using complex-assisted crystallization. <i>CrystEngComm</i> , 2016, 18, 7487-7493.	1.3	5
67	Compact and Integrated Approach for Advanced End-to-End Production, Purification, and Aqueous Formulation of Lidocaine Hydrochloride. <i>Organic Process Research and Development</i> , 2016, 20, 1347-1353.	1.3	34
68	Custom-Built Miniature Continuous Crystallization System with Pressure-Driven Suspension Transfer. <i>Organic Process Research and Development</i> , 2016, 20, 1276-1282.	1.3	18
69	Novel Technique for Filtration Avoidance in Continuous Crystallization. <i>Crystal Growth and Design</i> , 2016, 16, 285-296.	1.4	25
70	Multistage Continuous Mixed-Suspension, Mixed-Product Removal (MSMPR) Crystallization with Solids Recycle. <i>Organic Process Research and Development</i> , 2016, 20, 510-516.	1.3	64
71	On the connection between nonmonotonic taste behavior and molecular conformation in solution: The case of rebaudioside-A. <i>Journal of Chemical Physics</i> , 2015, 143, 244301.	1.2	10
72	Achieving Continuous Manufacturing for Final Dosage Formation: Challenges and How to Meet Them May 2014 Continuous Manufacturing Symposium. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 792-802.	1.6	117

#	ARTICLE	IF	CITATIONS
73	Statistical Design of Experiment on Contact Secondary Nucleation as a Means of Creating Seed Crystals for Continuous Tubular Crystallizers. <i>Organic Process Research and Development</i> , 2015, 19, 1101-1108.	1.3	11
74	Concluding remarks. <i>Faraday Discussions</i> , 2015, 179, 543-547.	1.6	12
75	Control Systems Engineering in Continuous Pharmaceutical Manufacturing May 2011-21, 2014 Continuous Manufacturing Symposium. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 832-839.	1.6	86
76	Ionic Fluids Containing Both Strongly and Weakly Interacting Ions of the Same Charge Have Unique Ionic and Chemical Environments as a Function of Ion Concentration. <i>ChemPhysChem</i> , 2015, 16, 993-1002.	1.0	27
77	A Process for the Formation of Nanocrystals of Active Pharmaceutical Ingredients with Poor Aqueous Solubility in a Nanoporous Substrate. <i>Organic Process Research and Development</i> , 2015, 19, 1109-1118.	1.3	19
78	Molecular self-assembly and clustering in nucleation processes: general discussion. <i>Faraday Discussions</i> , 2015, 179, 155-197.	1.6	10
79	Gypsum Crystallization during Phosphoric Acid Production: Modeling and Experiments Using the Mixed-Solvent-Electrolyte Thermodynamic Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 7914-7924.	1.8	26
80	Formation of organic molecular nanocrystals under soft confinement. <i>CrystEngComm</i> , 2015, 17, 6044-6052.	1.3	17
81	Control of Polymorphism in Continuous Crystallization via Mixed Suspension Mixed Product Removal Systems Cascade Design. <i>Crystal Growth and Design</i> , 2015, 15, 3374-3382.	1.4	87
82	Nucleation in complex multi-component and multi-phase systems: general discussion. <i>Faraday Discussions</i> , 2015, 179, 503-542.	1.6	6
83	Control of Heterogeneous Nucleation via Rationally Designed Biocompatible Polymer Surfaces with Nanoscale Features. <i>Crystal Growth and Design</i> , 2015, 15, 2176-2186.	1.4	34
84	The Use of Cooling Crystallization in an Ionic Liquid System for the Purification of Pharmaceuticals. <i>Crystal Growth and Design</i> , 2015, 15, 4946-4951.	1.4	35
85	Confined crystallization of fenofibrate in nanoporous silica. <i>CrystEngComm</i> , 2015, 17, 7922-7929.	1.3	54
86	Understanding and Analyzing Freezing-Point Transitions of Confined Fluids within Nanopores. <i>Langmuir</i> , 2015, 31, 10113-10118.	1.6	26
87	Continuous Spherical Crystallization of Albuterol Sulfate with Solvent Recycle System. <i>Crystal Growth and Design</i> , 2015, 15, 5149-5156.	1.4	48
88	Nanocrystal formation and polymorphism of glycine. <i>CrystEngComm</i> , 2015, 17, 723-728.	1.3	18
89	Composite Hydrogels Laden with Crystalline Active Pharmaceutical Ingredients of Controlled Size and Loading. <i>Chemistry of Materials</i> , 2014, 26, 6213-6220.	3.2	41
90	Formation of organic molecular nanocrystals under rigid confinement with analysis by solid state NMR. <i>CrystEngComm</i> , 2014, 16, 9345-9352.	1.3	19

#	ARTICLE	IF	CITATIONS
91	Continuous Crystallization and Polymorph Dynamics in the <scp>L</scp>-Glutamic Acid System. Organic Process Research and Development, 2014, 18, 1382-1390.	1.3	68
92	Quantitative Solution Measurement for the Selection of Complexing Agents to Enable Purification by Impurity Complexation. Crystal Growth and Design, 2014, 14, 3649-3657.	1.4	13
93	Regulating Nucleation Kinetics through Molecular Interactions at the Polymerâ€“Solute Interface. Crystal Growth and Design, 2014, 14, 678-686.	1.4	49
94	Self-Association during Heterogeneous Nucleation onto Well-Defined Templates. Langmuir, 2014, 30, 12368-12375.	1.6	25
95	Biocompatible Alginate Microgel Particles as Heteronucleants and Encapsulating Vehicles for Hydrophilic and Hydrophobic Drugs. Crystal Growth and Design, 2014, 14, 2073-2082.	1.4	67
96	Experimental Evaluation of Contact Secondary Nucleation Mechanisms. Crystal Growth and Design, 2014, 14, 5152-5157.	1.4	34
97	Use of Continuous MSMPR Crystallization with Integrated Nanofiltration Membrane Recycle for Enhanced Yield and Purity in API Crystallization. Crystal Growth and Design, 2014, 14, 617-627.	1.4	88
98	Application of Continuous Crystallization in an Integrated Continuous Pharmaceutical Pilot Plant. Crystal Growth and Design, 2014, 14, 2148-2157.	1.4	64
99	Geometric Design of Heterogeneous Nucleation Sites on Biocompatible Surfaces. Crystal Growth and Design, 2013, 13, 3835-3841.	1.4	33
100	Purification of amoxicillin trihydrate by impurity-coformer complexation in solution. CrystEngComm, 2013, 15, 6776.	1.3	15
101	Purification of Structurally Similar Compounds by the Formation of Impurity Co-Former Complexes in Solution. Crystal Growth and Design, 2013, 13, 1577-1582.	1.4	18
102	Using Magnetic Levitation to Separate Mixtures of Crystal Polymorphs. Angewandte Chemie - International Edition, 2013, 52, 10208-10211.	7.2	58
103	Endâ€“toâ€“End Continuous Manufacturing of Pharmaceuticals: Integrated Synthesis, Purification, and Final Dosage Formation. Angewandte Chemie - International Edition, 2013, 52, 12359-12363.	7.2	505
104	Using Magnetic Levitation to Separate Mixtures of Crystal Polymorphs. Angewandte Chemie, 2013, 125, 10398-10401.	1.6	25
105	Nucleation from Solution. Science, 2013, 341, 855-856.	6.0	166
106	Mathematical modeling and design of layer crystallization in a concentric annulus with and without recirculation. AIChE Journal, 2013, 59, 1308-1321.	1.8	24
107	Concomitant cocrystallization on engineered surfaces. CrystEngComm, 2013, 15, 7450.	1.3	4
108	Electrospun Formulations Containing Crystalline Active Pharmaceutical Ingredients. Pharmaceutical Research, 2013, 30, 238-246.	1.7	43

#	ARTICLE	IF	CITATIONS
109	Compact Crystallization, Filtration, and Drying for the Production of Active Pharmaceutical Ingredients. <i>Organic Process Research and Development</i> , 2013, 17, 684-692.	1.3	23
110	Hydrophobic vs. hydrophilic ionic liquid separations strategies in support of continuous pharmaceutical manufacturing. <i>RSC Advances</i> , 2013, 3, 10019.	1.7	27
111	Templated Nucleation of Acetaminophen on Spherical Excipient Agglomerates. <i>Langmuir</i> , 2013, 29, 3292-3300.	1.6	30
112	Contact Secondary Nucleation as a Means of Creating Seeds for Continuous Tubular Crystallizers. <i>Crystal Growth and Design</i> , 2013, 13, 2514-2521.	1.4	39
113	Free Surface Electrospinning of Fibers Containing Microparticles. <i>Langmuir</i> , 2012, 28, 9714-9721.	1.6	55
114	Continuous Crystallization of Aliskiren Hemifumarate. <i>Crystal Growth and Design</i> , 2012, 12, 3036-3044.	1.4	122
115	Development of Continuous Crystallization Processes Using a Single-Stage Mixed-Suspension, Mixed-Product Removal Crystallizer with Recycle. <i>Crystal Growth and Design</i> , 2012, 12, 5701-5707.	1.4	112
116	Nucleation under Soft Confinement: Role of Polymer-Solute Interactions. <i>Crystal Growth and Design</i> , 2012, 12, 508-517.	1.4	51
117	Development of Continuous Anti-Solvent/Cooling Crystallization Process using Cascaded Mixed Suspension, Mixed Product Removal Crystallizers. <i>Organic Process Research and Development</i> , 2012, 16, 915-924.	1.3	111
118	Gel-Induced Selective Crystallization of Polymorphs. <i>Journal of the American Chemical Society</i> , 2012, 134, 673-684.	6.6	129
119	Pasteur revisited: chiral separation by crystallization on self-assembled monolayers. <i>CrystEngComm</i> , 2012, 14, 8326.	1.3	7
120	Toward the Rational Design of Crystalline Surfaces for Heteroepitaxy: Role of Molecular Functionality. <i>Crystal Growth and Design</i> , 2012, 12, 1159-1166.	1.4	61
121	Polymorph Control of Micro/Nano-Sized Mefenamic Acid Crystals on Patterned Self-Assembled Monolayer Islands. <i>Crystal Growth and Design</i> , 2012, 12, 5521-5528.	1.4	49
122	Polymorphs, Salts, and Cocrystals: What's in a Name?. <i>Crystal Growth and Design</i> , 2012, 12, 2147-2152.	1.4	767
123	Separation of impurities from solution by selective co-crystal formation. <i>CrystEngComm</i> , 2012, 14, 2386-2388.	1.3	32
124	Production and Characterization of Carbamazepine Nanocrystals by Electrospinning for Continuous Pharmaceutical Manufacturing. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1178-1188.	1.6	77
125	Solid-State NMR Characterization of High-Loading Solid Solutions of API and Excipients Formed by Electrospinning. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1538-1545.	1.6	41
126	Polymorphic control by heterogeneous nucleation - A new method for selecting crystalline substrates. <i>CrystEngComm</i> , 2011, 13, 6625.	1.3	56



#	ARTICLE	IF	CITATIONS
127	Polymorphism control of nanosized glycine crystals on engineered surfaces. CrystEngComm, 2011, 13, 1127-1131.	1.3	34
128	Diffusion of Lysozyme in Buffered Salt Solutions. Industrial & Engineering Chemistry Research, 2011, 50, 10313-10319.	1.8	3
129	Pharmaceutical Crystallization. Crystal Growth and Design, 2011, 11, 887-895.	1.4	450
130	Surface Design for Controlled Crystallization: The Role of Surface Chemistry and Nanoscale Pores in Heterogeneous Nucleation. Langmuir, 2011, 27, 5324-5334.	1.6	186
131	Crystallization of Cyclosporine in a Multistage Continuous MSMPR Crystallizer. Crystal Growth and Design, 2011, 11, 4392-4400.	1.4	131
132	Controlled Nucleation from Solution Using Polymer Microgels. Journal of the American Chemical Society, 2011, 133, 3756-3759.	6.6	87
133	Phase Transformation of Sulfamerazine Using a Taylor Vortex. Crystal Growth and Design, 2011, 11, 5019-5029.	1.4	34
134	Crystal growth on self-assembled monolayers. CrystEngComm, 2011, 13, 24-32.	1.3	49
135	Crystal Polymorphism in Chemical Process Development. Annual Review of Chemical and Biomolecular Engineering, 2011, 2, 259-280.	3.3	320
136	Solid forms of pharmaceuticals: Polymorphs, salts and cocrystals. Korean Journal of Chemical Engineering, 2011, 28, 315-322.	1.2	69
137	The role of nanopore shape in surface-induced crystallization. Nature Materials, 2011, 10, 867-871.	13.3	159
138	Chiral Self Assembled Monolayers as Resolving Auxiliaries in the Crystallization of Valine. Journal of Pharmaceutical Sciences, 2010, 99, 3931-3940.	1.6	15
139	Continuous Plug Flow Crystallization of Pharmaceutical Compounds. Crystal Growth and Design, 2010, 10, 2219-2228.	1.4	265
140	Formation of Nanosized Organic Molecular Crystals on Engineered Surfaces. Journal of the American Chemical Society, 2009, 131, 18212-18213.	6.6	56
141	The Solubility of Orthorhombic Lysozyme Crystals Obtained at High pH. Crystal Growth and Design, 2009, 9, 3313-3317.	1.4	46
142	Polymorph Screening: Comparing a Semi-Automated Approach with a High Throughput Method. Crystal Growth and Design, 2009, 9, 4181-4188.	1.4	49
143	Concomitant Crystallization of ROY on Patterned Substrates: Using a High Throughput Method to Improve the Chances of Crystallization of Different Polymorphs. Crystal Growth and Design, 2009, 9, 1182-1185.	1.4	39
144	Nucleation of Crystals from Solution: Classical and Two-Step Models. Accounts of Chemical Research, 2009, 42, 621-629.	7.6	914

#	ARTICLE	IF	CITATIONS
145	Concomitant Polymorphism in Confined Environment. <i>Pharmaceutical Research</i> , 2008, 25, 960-968.	1.7	47
146	Concomitant Crystallization of Glycine on Patterned Substrates: The Effect of pH on the Polymorphic Outcome. <i>Crystal Growth and Design</i> , 2008, 8, 108-113.	1.4	65
147	Nonphotochemical Laser Induced Nucleation of Hen Egg White Lysozyme Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 4255-4261.	1.4	56
148	Polarization Switching of Crystal Structure in the Nonphotochemical Laser-Induced Nucleation of Supersaturated Aqueous L-Histidine. <i>Crystal Growth and Design</i> , 2008, 8, 1720-1722.	1.4	51
149	Empirical molecular modelling of suspension stabilisation with Polysorbate 80. <i>Molecular Simulation</i> , 2008, 34, 1353-1357.	0.9	10
150	Relationship between Self-Association of Glycine Molecules in Supersaturated Solutions and Solid State Outcome. <i>Physical Review Letters</i> , 2007, 99, 115702.	2.9	55
151	Polymorph selection: the role of nucleation, crystal growth and molecular modeling. <i>Current Opinion in Drug Discovery &amp; Development</i> , 2007, 10, 746-55.	1.9	6
152	Supersaturation and Polarization Dependence of Polymorph Control in the Nonphotochemical Laser-Induced Nucleation (NPLIN) of Aqueous Glycine Solutions. <i>Crystal Growth and Design</i> , 2006, 6, 684-689.	1.4	114
153	Factors Affecting the Polymorphic Outcome of Glycine Crystals Constrained on Patterned Substrates. <i>Chemical Engineering and Technology</i> , 2006, 29, 281-285.	0.9	59
154	CFD simulations for analysis and scale-up of anti-solvent crystallization. <i>AIChE Journal</i> , 2006, 52, 3621-3625.	1.8	15
155	Particle Engineering: Fundamentals of Particle Formation and Crystal Growth. <i>MRS Bulletin</i> , 2006, 31, 881-886.	1.7	25
156	Strong dc Electric Field Applied to Supersaturated Aqueous Glycine Solution Induces Nucleation of the $\beta$ Polymorph. <i>Physical Review Letters</i> , 2005, 94, 145503.	2.9	103
157	Crystallization on Confined Engineered Surfaces: A Method to Control Crystal Size and Generate Different Polymorphs. <i>Journal of the American Chemical Society</i> , 2005, 127, 14982-14983.	6.6	152
158	Intensity, Wavelength, and Polarization Dependence of Nonphotochemical Laser-Induced Nucleation in Supersaturated Aqueous Urea Solutions. <i>Crystal Growth and Design</i> , 2005, 5, 1565-1567.	1.4	57
159	Influence of Impurities on the Solution-Mediated Phase Transformation of an Active Pharmaceutical Ingredient. <i>Crystal Growth and Design</i> , 2005, 5, 1429-1436.	1.4	91
160	Development of a Small-Scale Automated Solubility Measurement Apparatus. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 5427-5433.	1.8	37
161	Crystallization Monitoring by Raman Spectroscopy: Simultaneous Measurement of Desupersaturation Profile and Polymorphic Form in Flufenamic Acid Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 1233-1240.	1.8	140
162	SAXS Study of the Nucleation of Glycine Crystals from a Supersaturated Solution. <i>Crystal Growth and Design</i> , 2005, 5, 523-527.	1.4	133

#	ARTICLE	IF	CITATIONS
163	Molecular Dynamics Study of the Interactions of Ice Inhibitors on the Ice {001} Surface. <i>Langmuir</i> , 2004, 20, 5353-5357.	1.6	11
164	Impact of Ultrasonic Energy on the Flow Crystallization of Dextrose Monohydrate. <i>Crystal Growth and Design</i> , 2004, 4, 687-690.	1.4	17
165	Nucleation Induction Time in Levitated Droplets. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10672-10677.	1.2	90
166	Thermodynamic Properties of Supersaturated Protein Solutions. <i>Crystal Growth and Design</i> , 2004, 4, 199-208.	1.4	21
167	Determination of Solubility of Polymorphs Using Differential Scanning Calorimetry. <i>Crystal Growth and Design</i> , 2003, 3, 991-995.	1.4	108
168	Impact of Ultrasonic Energy on the Crystallization of Dextrose Monohydrate. <i>Crystal Growth and Design</i> , 2003, 3, 741-746.	1.4	26
169	Polarization Switching of Crystal Structure in the Nonphotochemical Light-Induced Nucleation of Supersaturated Aqueous Glycine Solutions. <i>Physical Review Letters</i> , 2002, 89, 175501.	2.9	260
170	The Gel-Crystallization of 1-Phenylalanine and Aspartame from Aqueous Solutions. <i>Chemical Engineering Communications</i> , 2002, 189, 1079-1090.	1.5	16
171	Solutions and solution properties. , 2002, , 1-31.		6
172	Solubility Measurement Using Differential Scanning Calorimetry. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 4854-4862.	1.8	96
173	Crystallization of Amino Acids on Self-Assembled Monolayers of Rigid Thiols on Gold. <i>Langmuir</i> , 2002, 18, 5886-5898.	1.6	68
174	Growth kinetics: a thermodynamic approach. <i>Chemical Engineering Science</i> , 2002, 57, 4277-4285.	1.9	55
175	Crystals, crystal growth, and nucleation. , 2002, , 33-65.		130
176	Effect of Additives on the Transformation Behavior of 1-Phenylalanine in Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 6111-6117.	1.8	53
177	Nonphotochemical, Laser-Induced Nucleation of Supersaturated Aqueous Glycine Produces Unexpected $\beta$ -Polymorph. <i>Crystal Growth and Design</i> , 2001, 1, 5-8.	1.4	202
178	Molecular Dynamics of Nucleation and Crystallization of Polymers. <i>Crystal Growth and Design</i> , 2001, 1, 131-142.	1.4	35
179	Estimation of crystal growth kinetics using differential scanning calorimetry. <i>Journal of Crystal Growth</i> , 2000, 212, 489-499.	0.7	11
180	Diffusion and cluster formation in supersaturated solutions of ammonium sulfate at 298K. <i>Journal of Crystal Growth</i> , 2000, 217, 393-403.	0.7	25

#	ARTICLE	IF	CITATIONS
181	Nucleating Agents in Polypropylene. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 59, 497-508.	1.4	56
182	Diffusion in supersaturated solutions: Application to the case of supersaturated protein solutions. Journal of Chemical Physics, 2000, 112, 4357-4364.	1.2	6
183	Self-assembled monolayers of rigid thiols. Reviews in Molecular Biotechnology, 2000, 74, 175-188.	2.9	46
184	Nucleation and Growth of Glycine Crystals on Self-Assembled Monolayers on Gold. Langmuir, 2000, 16, 3791-3796.	1.6	73
185	The Study of Molecular Materials Using Computational Chemistry. , 1999, , 106-165.		6
186	Thermodynamic and statistical studies of supersaturated ternary solutions. Physical Review E, 1999, 60, 3211-3218.	0.8	1
187	A statistical understanding of nucleation. Journal of Crystal Growth, 1999, 196, 234-242.	0.7	64
188	THFâ€™water hydrate crystallization: an experimental investigation. Journal of Crystal Growth, 1999, 204, 525-538.	0.7	88
189	The effect of additives on the water activity of supersaturated solutions of Î²-succinic acid. Journal of Crystal Growth, 1999, 206, 99-108.	0.7	8
190	Desorption of water vapor in hydrogen-bonded polymer blends. Journal of Applied Polymer Science, 1998, 70, 39-45.	1.3	4
191	Crystallization of Solid-State Materials in Nonaqueous Gels. 1. Silver Bromide. Journal of the American Chemical Society, 1998, 120, 585-586.	6.6	24
192	Diffusion and cluster formation in aqueous solutions of potassium aluminum sulfate. Journal of Crystal Growth, 1997, 181, 61-69.	0.7	11
193	Diffusivity, viscosity, and cluster formation in protein solutions. Biotechnology and Bioprocess Engineering, 1997, 2, 64-67.	1.4	2
194	Gas transport in ring substituted polyanilines. Polymer Engineering and Science, 1997, 37, 868-875.	1.5	9
195	The effect of hydrogen bonding on vapor diffusion in water-soluble polymers. Journal of Applied Polymer Science, 1997, 66, 279-291.	1.3	30
196	Momentum and mass transfer in supersaturated solutions and crystal growth from solution. Journal of Crystal Growth, 1997, 174, 362-368.	0.7	8
197	Relationship between diffusivity and viscosity for supersaturated electrolyte solutions. Journal of Crystal Growth, 1997, 174, 369-379.	0.7	7
198	Influence of Centrifugation on Cluster Formation and Nucleation. , 1997, , 189-196.		0

#	ARTICLE	IF	CITATIONS
199	Metastable Solution Thermodynamic Properties and Crystal Growth Kinetics. Industrial & Engineering Chemistry Research, 1996, 35, 1078-1084.	1.8	41
200	Nonphotochemical, Polarization-Dependent, Laser-Induced Nucleation in Supersaturated Aqueous Urea Solutions. Physical Review Letters, 1996, 77, 3475-3476.	2.9	224
201	Diffusivity of protein in aqueous solutions. Korean Journal of Chemical Engineering, 1996, 13, 288-293.	1.2	12
202	Gas transport properties of polyaniline membranes. Journal of Applied Polymer Science, 1996, 62, 1427-1436.	1.3	28
203	Gravity induced formation of concentration gradients in supersaturated binary solutions. Physica A: Statistical Mechanics and Its Applications, 1996, 224, 503-532.	1.2	4
204	Relationship between solution shear viscosity and density at the saturation point. Journal of Crystal Growth, 1996, 166, 261-265.	0.7	4
205	Thermodynamic studies of levitated microdroplets of highly supersaturated electrolyte solutions. Journal of Crystal Growth, 1996, 166, 981-988.	0.7	17
206	Diffusion of gases in polymer blends near the lower critical solution temperature. AIChE Journal, 1995, 41, 166-170.	1.8	1
207	Water activity in supersaturated aqueous solutions of organic solutes. Journal of Crystal Growth, 1995, 149, 229-235.	0.7	39
208	A comparison of binding energy and metastable zone width for adipic acid with various additives. Journal of Crystal Growth, 1995, 156, 459-466.	0.7	78
209	Concentration dependence of solution shear viscosity and solute mass diffusivity in crystal growth from solutions. Physical Review E, 1995, 52, 805-812.	0.8	6
210	Supersaturated electrolyte solutions: Theory and experiment. Physical Review E, 1995, 52, 3923-3935.	0.8	12
211	Microparticle driven by parametric and random forces: Theory and experiment. Physical Review E, 1995, 52, 1325-1332.	0.8	15
212	Parametrically driven microparticle in the presence of a stationary zero-mean stochastic source: Model for thermal equilibrium in the Paul trap. Physical Review E, 1994, 50, 702-708.	0.8	3
213	Parameter estimation for analysis of vapor diffusion in polymers. Polymer Engineering and Science, 1994, 34, 1250-1253.	1.5	1
214	Thermally induced phase separation in ternary crystallizable polymer solutions. Journal of Membrane Science, 1994, 89, 37-50.	4.1	70
215	Cluster formation in highly supersaturated solution droplets. Journal of Crystal Growth, 1994, 139, 104-112.	0.7	58
216	Diffusivity of lysozyme in undersaturated, saturated and supersaturated solutions. Journal of Crystal Growth, 1994, 143, 79-85.	0.7	19

#	ARTICLE	IF	CITATIONS
217	Structural effects on vapor diffusivity in rigid polymers. Journal of Applied Polymer Science, 1993, 50, 271-275.	1.3	0
218	Transport of gases in miscible polymer blends above and below the glass transition region. AIChE Journal, 1993, 39, 1509-1518.	1.8	8
219	Effect of impurities on cluster growth and nucleation. Journal of Crystal Growth, 1993, 126, 216-222.	0.7	34
220	Nucleation in non-critical binary systems. Journal of Crystal Growth, 1993, 128, 139-143.	0.7	1
221	Theory of metastable state relaxation for non-critical binary systems with non-conserved order parameter. Physica A: Statistical Mechanics and Its Applications, 1993, 192, 85-106.	1.2	4
222	Side-chain order in poly(3-alkylthiophenes). Macromolecules, 1993, 26, 1318-1323.	2.2	87
223	Theory of metastable state relaxation in a gravitational field for non-critical binary systems with non-conserved order parameter. Journal of Physics A, 1993, 26, 2709-2725.	1.6	3
224	Statistics of experiments on cluster formation and transport in a gravitational field. Journal Physics D: Applied Physics, 1993, 26, B123-B127.	1.3	5
225	Structure Formation Due to Non-Equilibrium Liquid-Liquid Phase Separation in Polypropylene Solutions. , 1993, , 209-223.		1
226	Nonequilibrium liquid-liquid phase separation in crystallizable polymer solutions. Macromolecules, 1992, 25, 4002-4010.	2.2	67
227	Metastable state relaxation in a gravitational field. Physica A: Statistical Mechanics and Its Applications, 1992, 183, 549-562.	1.2	5
228	Concentration gradient formation in supersaturated vertical columns I. Fokker-Planck approximation. Journal of Crystal Growth, 1992, 121, 723-732.	0.7	7
229	Cluster size estimation in binary supersaturated solutions. Journal of Crystal Growth, 1992, 116, 41-47.	0.7	69
230	Water vapor diffusion in polymer networks. AIChE Journal, 1992, 38, 1481-1484.	1.8	3
231	Cluster formation and diffusion in supersaturated binary and ternary amino acid solutions. Journal of Crystal Growth, 1991, 110, 26-33.	0.7	66
232	Diffusion of benzene vapor in blends of poly(vinyl acetate) and poly(methyl acrylate). Polymer Engineering and Science, 1991, 31, 1172-1175.	1.5	3
233	Diffusion and cluster formation in supersaturated solutions. Journal of Crystal Growth, 1990, 99, 1048-1052.	0.7	72
234	Calculation of Crystal Habit and Solvent-Accessible Areas of Sucrose and Adipic Acid Crystals. ACS Symposium Series, 1990, , 55-71.	0.5	2

#	ARTICLE	IF	CITATIONS
235	Purification of terephthalic acid by crystal aging. Industrial & Engineering Chemistry Research, 1990, 29, 2089-2093.	1.8	10
236	Ternary Diffusion Coefficients in Metastable Solutions of Glycine-Valine-H <sub>2</sub> O. AIChE Journal, 1989, 35, 676-678.	1.8	11
237	The growth, dissolution and aging of terephthalic acid crystals. AIChE Journal, 1989, 35, 1749-1752.	1.8	14
238	Crystal aging and crystal habit of terephthalic acid. AIChE Journal, 1987, 33, 848-852.	1.8	11
239	GTRC process for removing inorganic impurities from spent hydrodesulfurization catalysts. Mining, Metallurgy and Exploration, 1987, 4, 78-82.	0.4	1
240	The removal of pyritic sulfur from coal employing thiobacillus ferrooxidans in a packed column reactor. Biotechnology and Bioengineering, 1987, 29, 146-150.	1.7	14
241	Kinetics of dissolution of alumina in acidic solution. AIChE Journal, 1987, 33, 267-273.	1.8	33
242	Cluster diffusion in metastable solutions. AIChE Journal, 1987, 33, 697-699.	1.8	13
243	Solvent selection and batch crystallization. Industrial & Engineering Chemistry Process Design and Development, 1986, 25, 925-929.	0.6	23
244	The adsorption of Thiobacillus ferrooxidans on coal surfaces. Biotechnology and Bioengineering, 1986, 28, 467-479.	1.7	71
245	Diffusivity of glycine in concentrated saturated and supersaturated aqueous solutions. AIChE Journal, 1986, 32, 1567-1569.	1.8	56
246	Diffusional separation in ternary systems. AIChE Journal, 1986, 32, 1747-1749.	1.8	14
247	Vapor-phase growth forms and purification of 1,4-benzenedicarboxylic acid. Journal of Crystal Growth, 1986, 74, 217-220.	0.7	1
248	Polymorphism and aging in terephthalic acid. Crystal Research and Technology, 1985, 20, 201-208.	0.6	9
249	The diffusivity of potassium chloride and sodium chloride in concentrated, saturated, and supersaturated aqueous solutions. AIChE Journal, 1985, 31, 890-894.	1.8	72
250	The formation of solvent inclusions during continuous mscpr crystallization. AIChE Journal, 1985, 31, 1718-1720.	1.8	0
251	A crystal growth model with concentration dependent diffusion. Journal of Crystal Growth, 1984, 67, 380-382.	0.7	3
252	Continuous bacterial coal desulfurization employing Thiobacillus ferrooxidans. Biotechnology and Bioengineering, 1984, 26, 92-99.	1.7	35

#	ARTICLE	IF	CITATIONS
253	Formation of inclusions in terephthalic acid crystals. <i>AIChE Journal</i> , 1984, 30, 865-867.	1.8	13
254	Diffusion coefficients near the spinodal curve. <i>AIChE Journal</i> , 1984, 30, 1004-1006.	1.8	21
255	The adsorption of <i>Thiobacillus ferrooxidans</i> on solid particles. <i>Biotechnology and Bioengineering</i> , 1983, 25, 1669-1676.	1.7	53
256	The theoretical shape of sucrose crystals from energy calculations. <i>Journal of Crystal Growth</i> , 1983, 61, 546-555.	0.7	33
257	THE AGGLOMERATION AND AGING OF TEREPHTHALIC ACID PARTICLES IN LIQUID SOLUTION. <i>Particulate Science and Technology</i> , 1983, 1, 409-417.	1.1	4
258	Optimization of fuel composition in open-cycle magnetohydrodynamic power generation. <i>Journal of Energy</i> , 1982, 6, 155-157.	0.2	4
259	Diffusivity of urea in concentrated, saturated and supersaturated solutions. <i>AIChE Journal</i> , 1982, 28, 772-779.	1.8	63
260	Growth models of the continuous bacterial leaching of iron pyrite by <i>Thiobacillus ferrooxidans</i> . <i>Biotechnology and Bioengineering</i> , 1982, 24, 889-902.	1.7	48
261	Nitric oxide gas absorption in a limestone packed column. <i>AIChE Journal</i> , 1981, 27, 518-521.	1.8	2
262	The effect of crystal size on occlusion formation during crystallization from solution. <i>AIChE Journal</i> , 1981, 27, 1029-1031.	1.8	14
263	Oxygen mass transfer requirements during the growth of <i>Thiobacillus ferrooxidans</i> on iron pyrite. <i>Biotechnology and Bioengineering</i> , 1981, 23, 1413-1416.	1.7	23
264	Condensation of aluminum when used as a fuel additive in MHD power generation. <i>Journal of Energy</i> , 1980, 4, 44-46.	0.2	0
265	Fuel Development for Open-Loop Combustion-Driven MHD Power Generation. <i>Journal of Energy</i> , 1979, 3, 120-122.	0.2	3
266	Impurity Trapping during Dendritic Crystal Growth. 2. Experimental Results and Correlation. <i>Industrial &amp; Engineering Chemistry Fundamentals</i> , 1977, 16, 420-425.	0.7	23
267	Impurity Trapping during Dendritic Crystal Growth. 1. Computer Simulation. <i>Industrial &amp; Engineering Chemistry Fundamentals</i> , 1977, 16, 414-420.	0.7	24
268	Multicomponent, multiphase vapor-liquid equilibrium data from the method of intersecting isochores. <i>AIChE Journal</i> , 1976, 22, 399-400.	1.8	0
269	A new technique for collecting binary vapor-liquid equilibrium data without measuring composition: The method of intersecting isochores. <i>AIChE Journal</i> , 1975, 21, 1111-1114.	1.8	7