

Allan Myerson

List of Publications by Year in descending order

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papers

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27035

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275
times ranked

11093
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleation of Crystals from Solution: Classical and Two-Step Models. <i>Accounts of Chemical Research</i> , 2009, 42, 621-629.	7.6	914
2	Polymorphs, Salts, and Cocrystals: Whatâ€™s in a Name?. <i>Crystal Growth and Design</i> , 2012, 12, 2147-2152.	1.4	767
3	On-demand continuous-flow production of pharmaceuticals in a compact, reconfigurable system. <i>Science</i> , 2016, 352, 61-67.	6.0	751
4	End-to-End Continuous Manufacturing of Pharmaceuticals: Integrated Synthesis, Purification, and Final Dosage Formation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12359-12363.	7.2	505
5	Pharmaceutical Crystallization. <i>Crystal Growth and Design</i> , 2011, 11, 887-895.	1.4	450
6	Crystal Polymorphism in Chemical Process Development. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2011, 2, 259-280.	3.3	320
7	Continuous Plug Flow Crystallization of Pharmaceutical Compounds. <i>Crystal Growth and Design</i> , 2010, 10, 2219-2228.	1.4	265
8	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
9	Nonphotochemical, Polarization-Dependent, Laser-Induced Nucleation in Supersaturated Aqueous Urea Solutions. <i>Physical Review Letters</i> , 1996, 77, 3475-3476.	2.9	224
10	Nonphotochemical, Laser-Induced Nucleation of Supersaturated Aqueous Glycine Produces Unexpected Î³-Polymorph. <i>Crystal Growth and Design</i> , 2001, 1, 5-8.	1.4	202
11	Surface Design for Controlled Crystallization: The Role of Surface Chemistry and Nanoscale Pores in Heterogeneous Nucleation. <i>Langmuir</i> , 2011, 27, 5324-5334.	1.6	186
12	Nucleation from Solution. <i>Science</i> , 2013, 341, 855-856.	6.0	166
13	The role of nanopore shape in surface-induced crystallization. <i>Nature Materials</i> , 2011, 10, 867-871.	13.3	159
14	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
15	Crystallization Monitoring by Raman Spectroscopy: A Simultaneous Measurement of Desupersaturation Profile and Polymorphic Form in Flufenamic Acid Systems. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1233-1240.	1.8	140
16	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
17	Crystallization of Cyclosporine in a Multistage Continuous MSMPR Crystallizer. <i>Crystal Growth and Design</i> , 2011, 11, 4392-4400.	1.4	131
18	Crystals, crystal growth, and nucleation. , 2002, , 33-65.		130

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19	Gel-Induced Selective Crystallization of Polymorphs. <i>Journal of the American Chemical Society</i> , 2012, 134, 673-684.	6.6	129
20	Continuous Crystallization of Aliskiren Hemifumarate. <i>Crystal Growth and Design</i> , 2012, 12, 3036-3044.	1.4	122
21	Achieving Continuous Manufacturing for Final Dosage Formation: Challenges and How to Meet Them May 20â€™21 2014 Continuous Manufacturing Symposium. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 792-802.	1.6	117
22	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
23	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
24	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
25	Determination of Solubility of Polymorphs Using Differential Scanning Calorimetry. <i>Crystal Growth and Design</i> , 2003, 3, 991-995.	1.4	108
26	Strong dc Electric Field Applied to Supersaturated Aqueous Glycine Solution Induces Nucleation of the β Polymorph. <i>Physical Review Letters</i> , 2005, 94, 145503.	2.9	103
27	Comparison of fouling propensity between reverse osmosis, forward osmosis, and membrane distillation. <i>Journal of Membrane Science</i> , 2018, 556, 352-364.	4.1	101
28	Solubility Measurement Using Differential Scanning Calorimetry. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 4854-4862.	1.8	96
29	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
30	Nucleation Induction Time in Levitated Droplets. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10672-10677.	1.2	90
31	THFâ€™ water hydrate crystallization: an experimental investigation. <i>Journal of Crystal Growth</i> , 1999, 204, 525-538.	0.7	88
32	Use of Continuous MSMPR Crystallization with Integrated Nanofiltration Membrane Recycle for Enhanced Yield and Purity in API Crystallization. <i>Crystal Growth and Design</i> , 2014, 14, 617-627.	1.4	88
33	Side-chain order in poly(3-alkylthiophenes). <i>Macromolecules</i> , 1993, 26, 1318-1323.	2.2	87
34	Controlled Nucleation from Solution Using Polymer Microgels. <i>Journal of the American Chemical Society</i> , 2011, 133, 3756-3759.	6.6	87
35	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
36	Control Systems Engineering in Continuous Pharmaceutical Manufacturing May 20â€™21, 2014 Continuous Manufacturing Symposium. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 832-839.	1.6	86

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37	Advanced Continuous Flow Platform for On-Demand Pharmaceutical Manufacturing. Chemistry - A European Journal, 2018, 24, 2776-2784.	1.7	81
38	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
39	Production and Characterization of Carbamazepine Nanocrystals by Electrospraying for Continuous Pharmaceutical Manufacturing. Journal of Pharmaceutical Sciences, 2012, 101, 1178-1188.	1.6	77
40	Nucleation and Growth of Glycine Crystals on Self-Assembled Monolayers on Gold. Langmuir, 2000, 16, 3791-3796.	1.6	73
41	The diffusivity of potassium chloride and sodium chloride in concentrated, saturated, and supersaturated aqueous solutions. AIChE Journal, 1985, 31, 890-894.	1.8	72
42	Diffusion and cluster formation in supersaturated solutions. Journal of Crystal Growth, 1990, 99, 1048-1052.	0.7	72
43	The adsorption of Thiobacillus ferrooxidans on coal surfaces. Biotechnology and Bioengineering, 1986, 28, 467-479.	1.7	71
44	Thermally induced phase separation in ternary crystallizable polymer solutions. Journal of Membrane Science, 1994, 89, 37-50.	4.1	70
45	Cluster size estimation in binary supersaturated solutions. Journal of Crystal Growth, 1992, 116, 41-47.	0.7	69
46	Solid forms of pharmaceuticals: Polymorphs, salts and cocrystals. Korean Journal of Chemical Engineering, 2011, 28, 315-322.	1.2	69
47	Crystallization of Amino Acids on Self-Assembled Monolayers of Rigid Thiols on Gold. Langmuir, 2002, 18, 5886-5898.	1.6	68
48	Continuous Crystallization and Polymorph Dynamics in the L-Glutamic Acid System. Organic Process Research and Development, 2014, 18, 1382-1390.	1.3	68
49	Nonequilibrium liquid-liquid phase separation in crystallizable polymer solutions. Macromolecules, 1992, 25, 4002-4010.	2.2	67
50	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
51	Cluster formation and diffusion in supersaturated binary and ternary amino acid solutions. Journal of Crystal Growth, 1991, 110, 26-33.	0.7	66
52	Concomitant Crystallization of Glycine on Patterned Substrates: The Effect of pH on the Polymorphic Outcome. Crystal Growth and Design, 2008, 8, 108-113.	1.4	65
53	A statistical understanding of nucleation. Journal of Crystal Growth, 1999, 196, 234-242.	0.7	64
54	Application of Continuous Crystallization in an Integrated Continuous Pharmaceutical Pilot Plant. Crystal Growth and Design, 2014, 14, 2148-2157.	1.4	64

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55	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
56	Diffusivity of urea in concentrated, saturated and supersaturated solutions. <i>AIChE Journal</i> , 1982, 28, 772-779.	1.8	63
57	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
58	Estimation of the Solubility of Metastable Polymorphs: A Critical Review. <i>Crystal Growth and Design</i> , 2018, 18, 7228-7237.	1.4	60
59	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
60	Cluster formation in highly supersaturated solution droplets. <i>Journal of Crystal Growth</i> , 1994, 139, 104-112.	0.7	58
61	Using Magnetic Levitation to Separate Mixtures of Crystal Polymorphs. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10208-10211.	7.2	58
62	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
63	Diffusivity of glycine in concentrated saturated and supersaturated aqueous solutions. <i>AIChE Journal</i> , 1986, 32, 1567-1569.	1.8	56
64	Nucleating Agents in Polypropylene. <i>Magyar Árvad Kémlemezények</i> , 2000, 59, 497-508.	1.4	56
65	Nonphotochemical Laser Induced Nucleation of Hen Egg White Lysozyme Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 4255-4261.	1.4	56
66	Formation of Nanosized Organic Molecular Crystals on Engineered Surfaces. <i>Journal of the American Chemical Society</i> , 2009, 131, 18212-18213.	6.6	56
67	Polymorphic control by heterogeneous nucleation - A new method for selecting crystalline substrates. <i>CrystEngComm</i> , 2011, 13, 6625.	1.3	56
68	Growth kinetics: a thermodynamic approach. <i>Chemical Engineering Science</i> , 2002, 57, 4277-4285.	1.9	55
69	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
70	Free Surface Electrospinning of Fibers Containing Microparticles. <i>Langmuir</i> , 2012, 28, 9714-9721.	1.6	55
71	Confined crystallization of fenofibrate in nanoporous silica. <i>CrystEngComm</i> , 2015, 17, 7922-7929.	1.3	54
72	The adsorption of <i>Thiobacillus ferrooxidans</i> on solid particles. <i>Biotechnology and Bioengineering</i> , 1983, 25, 1669-1676.	1.7	53

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73	Effect of Additives on the Transformation Behavior of l-Phenylalanine in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 6111-6117.	1.8	53
74	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
75	Nucleation under Soft Confinement: Role of Polymer-Solute Interactions. <i>Crystal Growth and Design</i> , 2012, 12, 508-517.	1.4	51
76	Continuous Production of Five Active Pharmaceutical Ingredients in Flexible Plug-and-Play Modules: A Demonstration Campaign. <i>Organic Process Research and Development</i> , 2020, 24, 2183-2196.	1.3	50
77	Polymorph Screening: Comparing a Semi-Automated Approach with a High Throughput Method. <i>Crystal Growth and Design</i> , 2009, 9, 4181-4188.	1.4	49
78	Crystal growth on self-assembled monolayers. <i>CrystEngComm</i> , 2011, 13, 24-32.	1.3	49
79	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
80	Regulating Nucleation Kinetics through Molecular Interactions at the Polymer-Solute Interface. <i>Crystal Growth and Design</i> , 2014, 14, 678-686.	1.4	49
81	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
82	Continuous Spherical Crystallization of Albuterol Sulfate with Solvent Recycle System. <i>Crystal Growth and Design</i> , 2015, 15, 5149-5156.	1.4	48
83	Concomitant Polymorphism in Confined Environment. <i>Pharmaceutical Research</i> , 2008, 25, 960-968.	1.7	47
84	Self-assembled monolayers of rigid thiols. <i>Reviews in Molecular Biotechnology</i> , 2000, 74, 175-188.	2.9	46
85	The Solubility of Orthorhombic Lysozyme Crystals Obtained at High pH. <i>Crystal Growth and Design</i> , 2009, 9, 3313-3317.	1.4	46
86	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
87	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
88	Electrospun Formulations Containing Crystalline Active Pharmaceutical Ingredients. <i>Pharmaceutical Research</i> , 2013, 30, 238-246.	1.7	43
89	Nucleation and Growth Kinetics for Combined Cooling and Antisolvent Crystallization in a Mixed-Suspension, Mixed-Product Removal System: Estimating Solvent Dependency. <i>Crystal Growth and Design</i> , 2018, 18, 1560-1570.	1.4	43
90	Metastable Solution Thermodynamic Properties and Crystal Growth Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 1996, 35, 1078-1084.	1.8	41

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91	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
92	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
93	Water activity in supersaturated aqueous solutions of organic solutes. <i>Journal of Crystal Growth</i> , 1995, 149, 229-235.	0.7	39
94	Concomitant Crystallization of ROY on Patterned Substrates: Using a High Throughput Method to Improve the Chances of Crystallization of Different Polymorphs. <i>Crystal Growth and Design</i> , 2009, 9, 1182-1185.	1.4	39
95	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
96	Development of a Small-Scale Automated Solubility Measurement Apparatus. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5427-5433.	1.8	37
97	Cocrystal formation by ionic liquid-assisted grinding: case study with cocrystals of caffeine. <i>CrystEngComm</i> , 2018, 20, 3817-3821.	1.3	37
98	Continuous bacterial coal desulfurization employing <i>Thiobacillus ferrooxidans</i> . <i>Biotechnology and Bioengineering</i> , 1984, 26, 92-99.	1.7	35
99	Molecular Dynamics of Nucleation and Crystallization of Polymers. <i>Crystal Growth and Design</i> , 2001, 1, 131-142.	1.4	35
100	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
101	Effect of impurities on cluster growth and nucleation. <i>Journal of Crystal Growth</i> , 1993, 126, 216-222.	0.7	34
102	Polymorphism control of nanosized glycine crystals on engineered surfaces. <i>CrystEngComm</i> , 2011, 13, 1127-1131.	1.3	34
103	Phase Transformation of Sulfamerazine Using a Taylor Vortex. <i>Crystal Growth and Design</i> , 2011, 11, 5019-5029.	1.4	34
104	Experimental Evaluation of Contact Secondary Nucleation Mechanisms. <i>Crystal Growth and Design</i> , 2014, 14, 5152-5157.	1.4	34
105	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
106	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
107	The theoretical shape of sucrose crystals from energy calculations. <i>Journal of Crystal Growth</i> , 1983, 61, 546-555.	0.7	33
108	Kinetics of dissolution of alumina in acidic solution. <i>AIChE Journal</i> , 1987, 33, 267-273.	1.8	33

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109	Geometric Design of Heterogeneous Nucleation Sites on Biocompatible Surfaces. <i>Crystal Growth and Design</i> , 2013, 13, 3835-3841.	1.4	33
110	Continuous Heterogeneous Crystallization on Excipient Surfaces. <i>Crystal Growth and Design</i> , 2017, 17, 3321-3330.	1.4	33
111	Polymorph control in batch seeded crystallizers. A case study with paracetamol. <i>CrystEngComm</i> , 2019, 21, 2105-2118.	1.3	33
112	Separation of impurities from solution by selective co-crystal formation. <i>CrystEngComm</i> , 2012, 14, 2386-2388.	1.3	32
113	The effect of hydrogen bonding on vapor diffusion in water-soluble polymers. <i>Journal of Applied Polymer Science</i> , 1997, 66, 279-291.	1.3	30
114	Templated Nucleation of Acetaminophen on Spherical Excipient Agglomerates. <i>Langmuir</i> , 2013, 29, 3292-3300.	1.6	30
115	Exploring the role of ionic liquids to tune the polymorphic outcome of organic compounds. <i>Chemical Science</i> , 2018, 9, 1510-1520.	3.7	30
116	Gas transport properties of polyaniline membranes. <i>Journal of Applied Polymer Science</i> , 1996, 62, 1427-1436.	1.3	28
117	Hydrophobic vs. hydrophilic ionic liquid separations strategies in support of continuous pharmaceutical manufacturing. <i>RSC Advances</i> , 2013, 3, 10019.	1.7	27
118	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
119	Inhibition of Nucleation Using a Dilute, Weakly Hydrogen-Bonding Molecular Additive. <i>Crystal Growth and Design</i> , 2018, 18, 3584-3595.	1.4	27
120	Impact of Ultrasonic Energy on the Crystallization of Dextrose Monohydrate. <i>Crystal Growth and Design</i> , 2003, 3, 741-746.	1.4	26
121	Gypsum Crystallization during Phosphoric Acid Production: Modeling and Experiments Using the Mixed-Solvent-Electrolyte Thermodynamic Model. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7914-7924.	1.8	26
122	Understanding and Analyzing Freezing-Point Transitions of Confined Fluids within Nanopores. <i>Langmuir</i> , 2015, 31, 10113-10118.	1.6	26
123	Mathematical Modeling of Layer Crystallization on a Cold Column with Recirculation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5019-5029.	1.8	26
124	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
125	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
126	Particle Engineering: Fundamentals of Particle Formation and Crystal Growth. <i>MRS Bulletin</i> , 2006, 31, 881-886.	1.7	25

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127	Using Magnetic Levitation to Separate Mixtures of Crystal Polymorphs. <i>Angewandte Chemie</i> , 2013, 125, 10398-10401.	1.6	25
128	Self-Association during Heterogeneous Nucleation onto Well-Defined Templates. <i>Langmuir</i> , 2014, 30, 12368-12375.	1.6	25
129	Novel Technique for Filtration Avoidance in Continuous Crystallization. <i>Crystal Growth and Design</i> , 2016, 16, 285-296.	1.4	25
130	Impurity Trapping during Dendritic Crystal Growth. 1. Computer Simulation. <i>Industrial & Engineering Chemistry Fundamentals</i> , 1977, 16, 414-420.	0.7	24
131	Crystallization of Solid-State Materials in Nonaqueous Gels. 1. Silver Bromide. <i>Journal of the American Chemical Society</i> , 1998, 120, 585-586.	6.6	24
132	Mathematical modeling and design of layer crystallization in a concentric annulus with and without recirculation. <i>AIChE Journal</i> , 2013, 59, 1308-1321.	1.8	24
133	Continuous Crystallization with Impurity Complexation and Nanofiltration Recycle. <i>Organic Process Research and Development</i> , 2017, 21, 253-261.	1.3	24
134	A compact, portable, re-configurable, and automated system for on-demand pharmaceutical tablet manufacturing. <i>International Journal of Pharmaceutics</i> , 2018, 539, 157-164.	2.6	24
135	Impurity Trapping during Dendritic Crystal Growth. 2. Experimental Results and Correlation. <i>Industrial & Engineering Chemistry Fundamentals</i> , 1977, 16, 420-425.	0.7	23
136	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
137	Solvent selection and batch crystallization. <i>Industrial & Engineering Chemistry Process Design and Development</i> , 1986, 25, 925-929.	0.6	23
138	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
139	Mechanism of Contact-Induced Heterogeneous Nucleation. <i>Crystal Growth and Design</i> , 2016, 16, 6131-6138.	1.4	23
140	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
141	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
142	Low Energy Nanoemulsions as Templates for the Formulation of Hydrophobic Drugs. <i>Advanced Therapeutics</i> , 2018, 1, 1700020.	1.6	22
143	Methods for estimating supersaturation in antisolvent crystallization systems. <i>CrystEngComm</i> , 2019, 21, 5811-5817.	1.3	22
144	Diffusion coefficients near the spinodal curve. <i>AIChE Journal</i> , 1984, 30, 1004-1006.	1.8	21

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145	Thermodynamic Properties of Supersaturated Protein Solutions. <i>Crystal Growth and Design</i> , 2004, 4, 199-208.	1.4	21
146	Impurity incorporation in solution crystallization: diagnosis, prevention, and control. <i>CrystEngComm</i> , 2022, 24, 1989-2001.	1.3	21
147	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
148	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
149	Mixed-Suspension, Mixed-Product Removal Studies of Ciprofloxacin from Pure and Crude Active Pharmaceutical Ingredients: The Role of Impurities on Solubility and Kinetics. <i>Crystal Growth and Design</i> , 2019, 19, 4008-4018.	1.4	20
150	Diffusivity of lysozyme in undersaturated, saturated and supersaturated solutions. <i>Journal of Crystal Growth</i> , 1994, 143, 79-85.	0.7	19
151	Formation of organic molecular nanocrystals under rigid confinement with analysis by solid state NMR. <i>CrystEngComm</i> , 2014, 16, 9345-9352.	1.3	19
152	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
153	Purification of Structurally Similar Compounds by the Formation of Impurity Co-Former Complexes in Solution. <i>Crystal Growth and Design</i> , 2013, 13, 1577-1582.	1.4	18
154	Nanocrystal formation and polymorphism of glycine. <i>CrystEngComm</i> , 2015, 17, 723-728.	1.3	18
155	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
156	Angle-Directed Nucleation of Paracetamol on Biocompatible Nanoimprinted Polymers. <i>Crystal Growth and Design</i> , 2017, 17, 2955-2963.	1.4	18
157	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
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159	Solubility Studies of Cyclosporine Using Ionic Liquids. <i>ACS Omega</i> , 2019, 4, 7938-7943.	1.6	18
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