

# Hong-xun Hao

## List of Publications by Year in descending order

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257  
papers

5,696  
citations

94269

37  
h-index

149479

56  
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258  
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258  
docs citations

258  
times ranked

4263  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview of Nanomaterials for Water and Wastewater Treatment. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-10.	1.0	210
2	Transformable Nanomaterials as an Artificial Extracellular Matrix for Inhibiting Tumor Invasion and Metastasis. <i>ACS Nano</i> , 2017, 11, 4086-4096.	7.3	165
3	Porous hydrogen-bonded organic frameworks (HOFs): From design to potential applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125873.	6.6	132
4	Crystallization techniques in wastewater treatment: An overview of applications. <i>Chemosphere</i> , 2017, 173, 474-484.	4.2	128
5	Solubility of Dexamethasone Sodium Phosphate in Different Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2004, 49, 1697-1698.	1.0	108
6	Mechanism, synthesis and modification of nano zerovalent iron in water treatment. <i>Nanoscale</i> , 2016, 8, 9962-9975.	2.8	105
7	Recent progress of continuous crystallization. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 14-29.	2.9	100
8	Characterization of the anti-solvent batch, plug flow and MSMPR crystallization of benzoic acid. <i>Chemical Engineering Science</i> , 2013, 104, 44-54.	1.9	85
9	Recent Progress on Nanostructures for Drug Delivery Applications. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-12.	1.5	84
10	Design and synthesis of core-shell Fe <sub>3</sub> O <sub>4</sub> @PTMT composite magnetic microspheres for adsorption of heavy metals from high salinity wastewater. <i>Chemosphere</i> , 2018, 206, 513-521.	4.2	69
11	Effects of Solvent on Polymorph Formation and Nucleation of Prasugrel Hydrochloride. <i>Crystal Growth and Design</i> , 2014, 14, 4519-4525.	1.4	68
12	Progress of crystallization in microfluidic devices. <i>Lab on A Chip</i> , 2017, 17, 2167-2185.	3.1	67
13	Thermodynamic equilibrium of 4-hydroxy-2,5-dimethyl-3(2H)-furanone in different solvent systems. <i>Journal of Chemical Thermodynamics</i> , 2016, 92, 12-20.	1.0	66
14	Supersaturation tracking for the development, optimization and control of crystallization processes. <i>Chemical Engineering Research and Design</i> , 2010, 88, 1108-1119.	2.7	65
15	Solubility and dissolution thermodynamic properties of lansoprazole in pure solvents. <i>Journal of Molecular Liquids</i> , 2017, 241, 399-406.	2.3	61
16	Oil-phase cyclic magnetic adsorption to synthesize Fe <sub>3</sub> O <sub>4</sub> @C@TiO <sub>2</sub> -nanotube composites for simultaneous removal of Pb(II) and Rhodamine B. <i>Chemical Engineering Journal</i> , 2019, 366, 50-61.	6.6	60
17	In-situ monitoring and characterization of plug flow crystallizers. <i>Chemical Engineering Science</i> , 2012, 77, 105-111.	1.9	59
18	The Use of in Situ Tools To Monitor the Enantiotropic Transformation of <i>p</i> -Aminobenzoic Acid Polymorphs. <i>Organic Process Research and Development</i> , 2012, 16, 35-41.	1.3	57

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19	Solubility and Thermodynamic Stability of the Enantiotropic Polymorphs of 2,3,5-Trimethyl-1,4-diacetoxybenzene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 2477-2485.	1.8	54
20	Measurement and correlation of solubility of cefmenoxime hydrochloride in pure solvents and binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016, 95, 63-71.	1.0	54
21	Quantifying the Inherent Uncertainty Associated with Nucleation Rates Estimated from Induction Time Data Measured in Small Volumes. <i>Crystal Growth and Design</i> , 2017, 17, 2852-2863.	1.4	53
22	The Impact of Operating Parameters on the Polymorphic Transformation of d-Mannitol Characterized in Situ with Raman Spectroscopy, FBRM, and PVM. <i>Organic Process Research and Development</i> , 2010, 14, 1432-1437.	1.3	50
23	Measurement and correlation of solubility of dodecanedioic acid in different pure solvents from T=(288.15 to 323.15)K. <i>Journal of Chemical Thermodynamics</i> , 2014, 68, 270-274.	1.0	50
24	Solution-Mediated Polymorphic Transformation of Prasugrel Hydrochloride from Form II to Form I. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 5652-5659.	1.8	49
25	Photoinduced multi-directional deformation of azobenzene molecular crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 503-508.	2.7	48
26	In situ monitoring, control and optimization of a liquid-liquid phase separation crystallization. <i>Chemical Engineering Science</i> , 2012, 77, 112-121.	1.9	47
27	Solution Crystallization of Vanillin in the Presence of a Liquid-Liquid Phase Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 14646-14652.	1.8	47
28	Single-Source Bismuth (Transition Metal) Polyoxovanadate Precursors for the Scalable Synthesis of Doped BiVO <sub>4</sub> Photoanodes. <i>Advanced Materials</i> , 2018, 30, e1804033.	11.1	47
29	Determination and correlation of solubility of spironolactone form II in pure solvents and binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , 2014, 79, 61-68.	1.0	46
30	An odd-even effect on solubility of dicarboxylic acids in organic solvents. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 91-97.	1.0	46
31	Solubility and thermodynamic properties of vanillyl alcohol in some pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2017, 106, 276-284.	1.0	46
32	Measurement and correlation of solubility of thiourea in two solvent mixtures from T=(283.15 to) T <sub>j</sub> . <i>Journal of Chemical Thermodynamics</i> , 2014, 79, 101-104.	1.0	44
33	Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. <i>Fluid Phase Equilibria</i> , 2013, 337, 354-362.	1.4	43
34	Bi <sub>2</sub> O <sub>3</sub> nanosheets arrays in-situ decorated on carbon cloth for efficient electrochemical reduction of nitrate. <i>Chemosphere</i> , 2021, 278, 130386.	4.2	43
35	Solid-liquid equilibrium of sulbactam in pure solvents and binary solvent mixtures. <i>Fluid Phase Equilibria</i> , 2014, 382, 197-204.	1.4	42
36	In Situ Monitoring of Supersaturation and Polymorphic Form of Piracetam during Batch Cooling Crystallization. <i>Organic Process Research and Development</i> , 2011, 15, 681-687.	1.3	41

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37	Spontaneous Polymorphic Nucleation of $\alpha$ -Mannitol in Aqueous Solution Monitored with Raman Spectroscopy and FBRM. <i>Crystal Growth and Design</i> , 2013, 13, 5179-5187.	1.4	40
38	Cocrystals of Propylthiouracil and Nutraceuticals toward Sustained-Release: Design, Structure Analysis, and Solid-State Characterization. <i>Crystal Growth and Design</i> , 2021, 21, 1202-1217.	1.4	40
39	A Calibration-Free Application of Raman Spectroscopy to the Monitoring of Mannitol Crystallization and Its Polymorphic Transformation. <i>Organic Process Research and Development</i> , 2010, 14, 1209-1214.	1.3	38
40	Determination of the Solubility, Dissolution Enthalpy, and Entropy of Pioglitazone Hydrochloride (Form II) in Different Pure Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 3036-3041.	1.8	38
41	Identification and Molecular Understanding of the Odd-Even Effect of Dicarboxylic Acids Aqueous Solubility. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 18458-18465.	1.8	38
42	Fabrication, application, optimization and working mechanism of Fe <sub>2</sub> O <sub>3</sub> and its composites for contaminants elimination from wastewater. <i>Chemosphere</i> , 2021, 263, 127889.	4.2	38
43	Determination and correlation of cefuroxime acid solubility in (acetonitrile+water) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 144-150.	1.0	34
44	Spherulitic Crystallization of $L$ -Tryptophan: Characterization, Growth Kinetics, and Mechanism. <i>Crystal Growth and Design</i> , 2015, 15, 5124-5132.	1.4	34
45	Solid-liquid phase equilibrium and dissolution properties of ethyl vanillin in pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 345-351.	1.0	34
46	Dosage Form Developments of Nanosuspension Drug Delivery System for Oral Administration Route. <i>Current Pharmaceutical Design</i> , 2015, 21, 4355-4365.	0.9	34
47	Thermodynamic Properties of Form A and Form B of Florfenicol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 13506-13512.	1.8	33
48	Solubility and thermodynamic properties of maltol in different pure solvents. <i>Journal of Molecular Liquids</i> , 2017, 243, 313-323.	2.3	33
49	Thermodynamic mechanism of selective cocrystallization explored by MD simulation and phase diagram analysis. <i>AIChE Journal</i> , 2019, 65, e16570.	1.8	33
50	Salts, Cocrystals, and Ionic Cocrystals of a Simple Tautomeric Compound. <i>Crystal Growth and Design</i> , 2018, 18, 6973-6983.	1.4	32
51	Modeling and Simulation of Thermodynamic Properties of $L$ -Alanyl- $L$ -Glutamine in Different Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 3385-3392.	1.8	31
52	Cu-Al Layered Double Oxides as Heterogeneous Catalyst for Enhanced Degradation of Organic Pollutants in Wastewater by Activating Peroxymonosulfate: Performance and Synergistic Effect. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 8699-8711.	1.8	31
53	Solubility of Erythritol in Different Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 1454-1456.	1.0	30
54	Determination and correlation of solubility and solution thermodynamics of valnemulin hydrogen tartrate in different pure solvents. <i>Fluid Phase Equilibria</i> , 2014, 372, 7-14.	1.4	30

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55	Determination and correlation of solubility and solution thermodynamics of coumarin in different pure solvents. <i>Fluid Phase Equilibria</i> , 2015, 394, 148-155.	1.4	30
56	Mechanism of Influence of Organic Impurity on Crystallization of Sodium Sulfate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 1705-1713.	1.8	30
57	Solubility and thermodynamic properties of azlocillin in pure and binary solvent systems. <i>Journal of Molecular Liquids</i> , 2019, 286, 110897.	2.3	30
58	Solution thermodynamics of tris-(2,4-ditert-butylphenyl)-phosphite in a series of pure solvents. <i>Journal of Molecular Liquids</i> , 2019, 283, 713-724.	2.3	30
59	Enhancement of lysozyme crystallization under ultrasound field. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104975.	3.8	30
60	Surface Complexation Enhanced Adsorption of Tetracycline by ALK-MXene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 6028-6036.	1.8	30
61	Measurement and Correlation of Solubility and Dissolution Thermodynamic Properties of Furan-2-carboxylic Acid in Pure and Binary Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 1326-1333.	1.0	29
62	Evaluation on Cocrystal Screening Methods and Synthesis of Multicomponent Crystals: A Case Study. <i>Crystal Growth and Design</i> , 2021, 21, 4531-4546.	1.4	29
63	Molecular mechanism of crystal nucleation from solution. <i>Science China Chemistry</i> , 2021, 64, 1460-1481.	4.2	29
64	Multiple stimuli-responsive flexible crystal with 2D elastic bending, plastic twisting and photoinduced bending capabilities. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16762-16770.	2.7	29
65	Solubility and dissolution thermodynamic properties of L-carnosine in binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , 2020, 149, 106167.	1.0	28
66	Partial Oxidation Strategy to Synthesize WS <sub>2</sub> /WO <sub>3</sub> Heterostructure with Enhanced Adsorption Performance for Organic Dyes: Synthesis, Modelling, and Mechanism. <i>Nanomaterials</i> , 2020, 10, 278.	1.9	28
67	Determination of induction period and crystal growth mechanism of dexamethasone sodium phosphate in methanol-acetone system. <i>Journal of Crystal Growth</i> , 2005, 274, 545-549.	0.7	27
68	Effect of solvent on crystallization behavior of xylitol. <i>Journal of Crystal Growth</i> , 2006, 290, 192-196.	0.7	27
69	Process Design for Antisolvent Crystallization of Erythromycin Ethylsuccinate in Oiling-out System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 7484-7492.	1.8	27
70	Solubilities of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Different Pure Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 3053-3061.	1.0	26
71	Solubility Determination of Nicotinamide and Its Application for the Cocrystallization with Benzoic Acid. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 4157-4165.	1.0	26
72	Gelation Phenomenon during Antisolvent Crystallization of Cefotaxime Sodium. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 1286-1292.	1.8	25

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73	Solid-liquid equilibrium of L-alanyl-L-glutamine form II in methanol + water and isopropanol + water systems. <i>Journal of Molecular Liquids</i> , 2016, 219, 930-936.	2.3	25
74	Magnetically Separable MoS <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /nZVI Nanocomposites for the Treatment of Wastewater Containing Cr(VI) and 4-Chlorophenol. <i>Nanomaterials</i> , 2017, 7, 303.	1.9	25
75	Determination Methods for Crystal Nucleation Kinetics in Solutions. <i>Crystal Growth and Design</i> , 2018, 18, 540-551.	1.4	25
76	Azobenzene crystal polymorphism enables tunable photoinduced deformations, mechanical behaviors and photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8294-8301.	2.7	25
77	Concomitant Polymorphism of Prasugrel Hydrochloride in Reactive Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 16182-16189.	1.8	24
78	Phase equilibria for the pseudo-ternary system (NaCl + Na <sub>2</sub> SO <sub>4</sub> + H <sub>2</sub> O) of coal gasification wastewater at T = (268.15 to 373.15) K. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 955-962.	1.7	24
79	Measurement and correlation of solubility and thermodynamic properties of dicumyl peroxide (DCP) in pure and binary solvents. <i>Journal of Molecular Liquids</i> , 2020, 314, 113268.	2.3	24
80	Titanate for water remediation: synthesis, application, mechanism and optimization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14415-14440.	5.2	24
81	Determination and correlation of cefoperazone solubility in different pure solvents and binary mixture. <i>Fluid Phase Equilibria</i> , 2014, 361, 223-228.	1.4	23
82	Investigations on dehydration processes of trisodium citrate hydrates. <i>Frontiers of Chemical Science and Engineering</i> , 2012, 6, 276-281.	2.3	22
83	Gel Formation and Phase Transformation during the Crystallization of Valnemulin Hydrogen Tartrate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 16859-16863.	1.8	22
84	Phase Transformation between Anhydrate and Monohydrate of Sodium Dehydroacetate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 3438-3444.	1.8	22
85	In Situ Monitoring and Modeling of the Solution-Mediated Polymorphic Transformation of Rifampicin: From Form II to Form I. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 344-352.	1.6	22
86	Electron reduction for the preparation of rGO with high electrochemical activity. <i>Catalysis Today</i> , 2019, 337, 63-68.	2.2	22
87	Solubility and thermodynamic properties of 5-nitrofurazone form II in mono-solvents and binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2019, 275, 815-828.	2.3	22
88	Determination of Solubility and Induction Time of Ceftazidime. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 176-182.	1.0	21
89	Antisolvent Crystallization of Erythromycin Ethylsuccinate in the Presence of Liquid-Liquid Phase Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 766-776.	1.8	21
90	Tuning the photomechanical behavior and excellent elasticity of azobenzene via cocrystal engineering. <i>CrystEngComm</i> , 2020, 22, 8045-8053.	1.3	21

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91	Crystallization Methods for Preparation of Nanocrystals for Drug Delivery System. <i>Current Pharmaceutical Design</i> , 2015, 21, 3131-3139.	0.9	21
92	(Solid + liquid) phase diagram for (indomethacin + nicotinamide)-methanol or methanol/ethyl acetate mixture and solubility behavior of 1:1 (indomethacin + nicotinamide) co-crystal at T=(298.15 and 313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 171-177.	1.0	20
93	Solid-Liquid Phase Equilibrium and Ternary Phase Diagrams of Ibuprofen-Nicotinamide Cocrystals in Ethanol and Ethanol/Water Mixtures at (298.15 and 313.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 1166-1172.	1.0	20
94	Solubility and thermodynamic functions of cefazolin acid in pure and mixed solvents at (278.15-308.15) K. <i>Fluid Phase Equilibria</i> , 2015, 387, 95-102.	1.4	20
95	Solubility and mixing thermodynamic properties of (2,4,6-trimethylbenzoyl) diphenylphosphine oxide in pure and binary solvents. <i>Fluid Phase Equilibria</i> , 2018, 461, 57-69.	1.4	20
96	Crystallization of Lithium Carbonate from Aqueous Solution: New Insights into Crystal Agglomeration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 18448-18455.	1.8	20
97	Crystal structure, thermal crystal form transformation, desolvation process and desolvation kinetics of two novel solvates of ciclesonide. <i>RSC Advances</i> , 2016, 6, 51037-51045.	1.7	19
98	The solubility of cefquinome sulfate in pure and mixed solvents. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 245-254.	2.3	19
99	Highly Efficient and Reusable Montmorillonite/Fe <sub>3</sub> O <sub>4</sub> /Humic Acid Nanocomposites for Simultaneous Removal of Cr(VI) and Aniline. <i>Nanomaterials</i> , 2018, 8, 537.	1.9	19
100	Predicting the crystal habit of photoinitiator XBPO and elucidating the solvent effect on crystal faces. <i>CrystEngComm</i> , 2019, 21, 2422-2430.	1.3	19
101	Self-assembly of immobilized titanate films with different layers for heavy metal ions removal from wastewater: Synthesis, modeling and mechanism. <i>Chemical Engineering Journal</i> , 2020, 380, 122564.	6.6	19
102	An Investigation into the Morphology Evolution of Ethyl Vanillin with the Presence of a Polymer Additive. <i>Crystal Growth and Design</i> , 2020, 20, 1609-1617.	1.4	19
103	Understanding the Role of Water in Different Solid Forms of Avibactam Sodium and Its Affecting Mechanism. <i>Crystal Growth and Design</i> , 2020, 20, 1150-1161.	1.4	19
104	Static layer melt crystallization: Effects of impurities on the growth behaviors of crystal layers. <i>Separation and Purification Technology</i> , 2021, 279, 119764.	3.9	19
105	Urea-induced supramolecular self-assembly strategy to synthesize wrinkled porous carbon nitride nanosheets for highly-efficient visible-light photocatalytic degradation. <i>RSC Advances</i> , 2021, 11, 23459-23470.	1.7	19
106	Determination and Correlation of Solubility Data and Dissolution Thermodynamic Data of L-Lactide in Different Pure Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 143-150.	1.0	18
107	From Jellylike Phase to Crystal: Effects of Solvent on Self-Assembly of Cefotaxime Sodium. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 3075-3083.	1.8	18
108	Solubility and dissolution thermodynamic properties of 1,6-Bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamido]hexane in pure solvents and binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2018, 252, 103-111.	2.3	18

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109	Manipulation of Crystal Morphology of Zoxamide Based on Phase Diagram and Crystal Structure Analysis. <i>Crystal Growth and Design</i> , 2018, 18, 5790-5799.	1.4	18
110	Tunable Emission of Organic Fluorescent Crystals through Polymorphic Manipulation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6189-6199.	1.5	18
111	Heat transfer and its effect on growth behaviors of crystal layers during static layer melt crystallization. <i>Chemical Engineering Science</i> , 2021, 233, 116390.	1.9	18
112	Consistency and variability of cocrystals containing positional isomers: the self-assembly evolution mechanism of supramolecular synthons of cresolâ€“piperazine. <i>IUCr</i> , 2019, 6, 1064-1073.	1.0	18
113	Cocrystal and its Application in the Field of Active Pharmaceutical Ingredients and Food Ingredients. <i>Current Pharmaceutical Design</i> , 2018, 24, 2339-2348.	0.9	18
114	Measurement and Correlation of Solubility of Calcium-lactate Pentahydrate in Ethanol + Water and Acetone + Water Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 2642-2648.	1.0	17
115	Liquidâ€“liquid equilibrium of binary and ternary systems composed by palm oil or palm oil fractions with methanol/ethanol and water. <i>Fluid Phase Equilibria</i> , 2015, 404, 17-25.	1.4	17
116	Polymorph induced diversity of photomechanical motions of molecular crystals. <i>CrystEngComm</i> , 2020, 22, 3279-3286.	1.3	17
117	Molecular conformational evolution mechanism during nucleation of crystals in solution. <i>IUCr</i> , 2020, 7, 542-556.	1.0	17
118	Crystal Structures and Solvent-Mediated Transformation of the Enantiotropic Polymorphs of 2,3,5-Trimethyl-1,4-diacetoxybenzene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 17667-17675.	1.8	16
119	Thermodynamics of 4â€“bromomethyl-2-cyanobiphenyl in different solvents. <i>Journal of Chemical Thermodynamics</i> , 2015, 83, 77-84.	1.0	16
120	Investigation of Solution-Mediated Phase Transformation of Cefuroxime Acid to Its Acetonitrile Solvate. <i>Organic Process Research and Development</i> , 2015, 19, 1820-1825.	1.3	16
121	Polymorphism of D-mannitol: Crystal structure and the crystal growth mechanism. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 358-362.	1.7	16
122	Influences and the Mechanism of Additives on Intensifying Nucleation and Growth of <i>p</i> -Methylacetanilide. <i>Crystal Growth and Design</i> , 2020, 20, 973-983.	1.4	16
123	Insight into the role of pre-assembly and desolvation in crystal nucleation: a case of <i>p</i> -nitrobenzoic acid. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 845-854.	0.5	16
124	Determination and Correlation of Solubility of Cefradine Form I in Five Pure Solvents from (283.15 to) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	1.0	15
125	Solution thermodynamics of simvastatin in pure solvents and binary solvent mixtures. <i>Fluid Phase Equilibria</i> , 2015, 406, 77-90.	1.4	15
126	Thermodynamic study on dynamic water and organic vapor sorption on amorphous valnemulin hydrochloride. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 94-104.	2.3	15



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127	Self-Assembly of Monodispersed Carnosine Spherical Crystals in a Reverse Antisolvent Crystallization Process. <i>Crystal Growth and Design</i> , 2019, 19, 2695-2705.	1.4	15
128	Solubility and thermodynamic properties of dirithromycin form A and form B in pure solvents and binary solvent mixture. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 240-249.	1.0	15
129	On the selection of wetting liquid for spherical agglomeration of cefotaxime sodium. <i>Powder Technology</i> , 2020, 363, 593-601.	2.1	15
130	Aerobic Oil-Phase Cyclic Magnetic Adsorption to Synthesize 1D Fe <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> Nanotube Composites for Enhanced Visible-Light Photocatalytic Degradation. <i>Nanomaterials</i> , 2020, 10, 1345.	1.9	15
131	Solution thermodynamics of ceftazidime in seven pure solvents and two binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2020, 303, 112476.	2.3	15
132	Solvent Effects on Catechol Crystal Habits and Aspect Ratios: A Combination of Experiments and Molecular Dynamics Simulation Study. <i>Crystals</i> , 2020, 10, 316.	1.0	15
133	Solubility and thermodynamic mixing and dissolution properties of empagliflozin in pure and binary solvent systems. <i>Journal of Molecular Liquids</i> , 2020, 309, 113004.	2.3	15
134	Toward Understanding the Growth of Cefradine in Aqueous Solution. <i>Crystal Growth and Design</i> , 2021, 21, 1993-2004.	1.4	15
135	Simultaneous decontamination of multi-pollutants: A promising approach for water remediation. <i>Chemosphere</i> , 2021, 284, 131270.	4.2	15
136	Unveiling the self-association and desolvation in crystal nucleation. <i>IUCr</i> , 2021, 8, 468-479.	1.0	14
137	Thermodynamic models for determination of solid-liquid equilibrium of the 4-methoxybenzoic acid in different solvents with solubility parameters and interaction energy aided analyses. <i>Journal of Molecular Liquids</i> , 2021, 330, 115669.	2.3	14
138	Understanding the role of solvent in regulating the crystal habit. <i>CrystEngComm</i> , 2022, 24, 2226-2240.	1.3	14
139	Solubility of Acesulfame Potassium in Ethanol + Water and Methanol + Water Systems from (275.84 to) Tj ETQq1 1 0.784314 rgBT / 0.13	1.0	13
140	Automated self seeding of batch crystallizations via plug flow seed generation. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2534-2541.	2.7	13
141	Isolation Strategies and Transformation Behaviors of Spironolactone Forms. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 11222-11229.	1.8	13
142	Determination and Correlation of Ethyl Vanillin Solubility in Different Binary Solvents at Temperatures from 273.15 to 313.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 1788-1796.	1.0	13
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