

# Hong-xun Hao

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241  
papers

3,784  
citations

33  
h-index

47  
g-index

258  
ext. papers

4,698  
ext. citations

4.2  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
241	Formation and stabilization mechanism of mesoscale clusters in solution.. <i>IUCrJ</i> , <b>2022</b> , 9, 215-222	4.7	0
240	Exploration of hydrogen-bonded organic framework (HOF) as highly efficient adsorbent for rhodamine B and methyl orange. <i>Microporous and Mesoporous Materials</i> , <b>2022</b> , 330, 111624	5.3	2
239	Influence of additives on the polymorphic manipulation of organic fluorescent crystals and its mechanism. <i>CrystEngComm</i> , <b>2022</b> , 24, 854-862	3.3	1
238	Conformational Selectivity and Evolution Affected by the Desolvation Process. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 1283-1291	3.5	0
237	Revealing the Molecular Mechanism of Cosolvency Based on Thermodynamic Phase Diagram, Molecular Simulation, and Spectrum Analysis: The Tolbutamide Case.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 1628-1635	6.4	0
236	Polymorphism-dependent fluorescent emission, acid/base response and selective fluorescent sensor for Cu <sup>2+</sup> ions based on single-benzene framework. <i>Dyes and Pigments</i> , <b>2022</b> , 197, 109903	4.6	3
235	Understanding the role of solvent in regulating the crystal habit. <i>CrystEngComm</i> , <b>2022</b> , 24, 2226-2240	3.3	3
234	Enhancement of Crystallization Process of the Organic Pharmaceutical Molecules through High Pressure. <i>Crystals</i> , <b>2022</b> , 12, 432	2.3	1
233	Selective Nucleation of Polymorphs Induced by Multiple Conformations and Self-Association. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 2499-2511	3.5	1
232	Cu <sub>2</sub> O nanoparticles modified BiO <sub>2-x</sub> nanosheets for efficient electrochemical reduction of nitrate-N and nitrobenzene from wastewater. <i>Separation and Purification Technology</i> , <b>2022</b> , 289, 120728	8.3	0
231	Enlarging crystal size of zoxamide by polymeric additives that modulate burst nucleation. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 357, 119088	6	0
230	Surface Complexation Enhanced Adsorption of Tetracycline by ALK-MXene. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 6028-6036	3.9	1
229	Spatiotemporal control of l-phenyl-alanine crystallization in microemulsion: the role of water in mediating molecular self-assembly.. <i>IUCrJ</i> , <b>2022</b> , 9, 370-377	4.7	
228	Mechanistic Study on the Effect of Magnetic Field on the Crystallization of Organic Small Molecules. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 15741-15751	3.9	2
227	Toward Understanding the Growth of Cefradine in Aqueous Solution. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 1993-2004	3.5	2
226	Heat transfer and its effect on growth behaviors of crystal layers during static layer melt crystallization. <i>Chemical Engineering Science</i> , <b>2021</b> , 233, 116390	4.4	7
225	Unveiling the self-association and desolvation in crystal nucleation. <i>IUCrJ</i> , <b>2021</b> , 8, 468-479	4.7	5

224	Comparison Study of KBH <sub>4</sub> Spherical Agglomerates Prepared in Different Antisolvents: Mechanisms and Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 5600-5611	3.9	2
223	Insight into the growth of ordered agglomerates based on oriented attachment. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 327, 114844	6	2
222	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> , <b>2021</b> , 330, 115669	6	4
221	Various Molecular Arrangements Leading to Different Desolvation Rates: Research on the Stability of 2,7-Dibromo-9H-carbazole Solvates. <i>Crystal Research and Technology</i> , <b>2021</b> , 56, 2100059	1.3	
220	Behaviors and physical mechanism of ceftazidime sodium de-agglomeration driven by ultrasound. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 74, 105570	8.9	1
219	Cocrystallization Enabling Photoinduced Rotation of an Azopyridine Crystal. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 3936-3946	3.5	3
218	Evaluation on Cocrystal Screening Methods and Synthesis of Multicomponent Crystals: A Case Study. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 4531-4546	3.5	2
217	Solution Thermodynamics of Caprolactam in Different Monosolvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 494-503	2.8	2
216	The role of water in the formation of crystal structures: a case study of valnemulin hydrochloride. <i>CrystEngComm</i> , <b>2021</b> , 23, 47-55	3.3	1
215	Azobenzene crystal polymorphism enables tunable photoinduced deformations, mechanical behaviors and photoluminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 8294-8301	7.1	7
214	Growth mechanism of the spherulitic propylthiouracil&amp;amp;ferol cocrystal: new perspectives into surface nucleation. <i>CrystEngComm</i> , <b>2021</b> , 23, 2367-2375	3.3	1
213	A selective cocrystallization separation method based on non-covalent interactions and its application. <i>CrystEngComm</i> , <b>2021</b> , 23, 1550-1554	3.3	2
212	Mechanism and Regulation Strategy of Solution-Mediated Polymorphic Transformation: A Case of 5-Nitrofurazone. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 2337-2347	3.9	1
211	Tunable Emission of Organic Fluorescent Crystals through Polymorphic Manipulation. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 6189-6199	3.8	3
210	Solubility Measurement and Thermodynamic Properties of Labetalol Hydrochloride in Different Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 3565-3575	2.8	1
209	Molecular mechanism of crystal nucleation from solution. <i>Science China Chemistry</i> , <b>2021</b> , 64, 1460-1481	7.9	3
208	CFD&amp;amp;BE Model and Simulation of Continuous Antisolvent Crystallization in an Impinging Jet Crystallizer with a Multiorifice at Different Positions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 11802-11811	3.9	0
207	BiO nanosheets arrays in-situ decorated on carbon cloth for efficient electrochemical reduction of nitrate. <i>Chemosphere</i> , <b>2021</b> , 278, 130386	8.4	20

206	Solution thermodynamics of ceftiofur hydrochloride in pure and binary solvents. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 338, 116782	6	1
205	Solution thermodynamics of azlocillin sodium in four pure solvents and three binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 339, 117039	6	0
204	Simultaneous decontamination of multi-pollutants: A promising approach for water remediation. <i>Chemosphere</i> , <b>2021</b> , 284, 131270	8.4	4
203	Static layer melt crystallization: Effects of impurities on the growth behaviors of crystal layers. <i>Separation and Purification Technology</i> , <b>2021</b> , 279, 119764	8.3	3
202	ZIF-8 engineered bismuth nanosheet arrays for boosted electrochemical reduction of nitrate. <i>Nanoscale</i> , <b>2021</b> , 13, 13786-13794	7.7	1
201	Urea-induced supramolecular self-assembly strategy to synthesize wrinkled porous carbon nitride nanosheets for highly-efficient visible-light photocatalytic degradation.. <i>RSC Advances</i> , <b>2021</b> , 11, 23459-23470 <sup>2</sup>	3.7	2
200	Cocrystals of Propylthiouracil and Nutraceuticals toward Sustained-Release: Design, Structure Analysis, and Solid-State Characterization. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 1202-1217	3.5	13
199	Formation mechanism of liquid inclusions in dicumyl peroxide crystals. <i>CrystEngComm</i> , <b>2021</b> , 23, 4214-4228	3.3	2
198	Influence of intermolecular interactions and crystal structure on desolvation mechanisms of solvates. <i>CrystEngComm</i> , <b>2021</b> , 23, 3557-3568	3.3	1
197	Fabrication, application, optimization and working mechanism of FeO and its composites for contaminants elimination from wastewater. <i>Chemosphere</i> , <b>2021</b> , 263, 127889	8.4	23
196	Thermodynamic mechanism of stability and polymorphic transformation behaviors of enantiotropic polymorphs of glycolide. <i>Journal of Chemical Thermodynamics</i> , <b>2020</b> , 149, 106145	2.9	0
195	Solubility and dissolution thermodynamic properties of L-carnosine in binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2020</b> , 149, 106167	2.9	16
194	Porous hydrogen-bonded organic frameworks (HOFs): From design to potential applications. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125873	14.7	41
193	Screening and Manipulation of L-Glutamic Acid Polymorphs by Antisolvent Crystallization in an Easy-to-Use Microfluidic Device. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 6102-6111	3.9	2
192	Photomechanical Molecular Crystals of an Azopyridine Derivative and Its Zinc(II) Complex: Synthesis, Crystallization and Photoinduced Motion. <i>Crystals</i> , <b>2020</b> , 10, 92	2.3	2
191	Manipulating of Crystal Morphology and Polymorph by Crystallization in Microemulsions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 13024-13032	3.9	1
190	Titanate for water remediation: synthesis, application, mechanism and optimization. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14415-14440	13	12
189	Partial Oxidation Strategy to Synthesize WS/WO Heterostructure with Enhanced Adsorption Performance for Organic Dyes: Synthesis, Modelling, and Mechanism. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	11

188	Solution thermodynamics of ceftezole in seven pure solvents and two binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112476	6	14
187	An Investigation into the Morphology Evolution of Ethyl Vanillin with the Presence of a Polymer Additive. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 1609-1617	3.5	4
186	Enhancement of lysozyme crystallization under ultrasound field. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 63, 104975	8.9	11
185	Understanding the Role of Water in Different Solid Forms of Avibactam Sodium and Its Affecting Mechanism. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 1150-1161	3.5	8
184	Solvent Effects on Catechol Crystal Habits and Aspect Ratios: A Combination of Experiments and Molecular Dynamics Simulation Study. <i>Crystals</i> , <b>2020</b> , 10, 316	2.3	6
183	Solubility and thermodynamic mixing and dissolution properties of empagliflozin in pure and binary solvent systems. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 309, 113004	6	10
182	Polymorph induced diversity of photomechanical motions of molecular crystals. <i>CrystEngComm</i> , <b>2020</b> , 22, 3279-3286	3.3	10
181	Molecular conformational evolution mechanism during nucleation of crystals in solution. <i>IUCrJ</i> , <b>2020</b> , 7, 542-556	4.7	7
180	The mechanism of solvent-mediated desolvation transformation of lenvatinib mesylate from dimethyl sulfoxide solvate to form D. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2020</b> , 76, 343-352	1.8	4
179	Manipulation of Pharmaceutical Polymorphic Transformation Process Using Excipients. <i>Current Pharmaceutical Design</i> , <b>2020</b> , 26, 2553-2563	3.3	2
178	Influences and the Mechanism of Additives on Intensifying Nucleation and Growth of p-Methylacetanilide. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 973-983	3.5	7
177	Solubility and isoelectric point of cefradine in different solvent systems. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 300, 112312	6	5
176	On the selection of wetting liquid for spherical agglomeration of cefotaxime sodium. <i>Powder Technology</i> , <b>2020</b> , 363, 593-601	5.2	6
175	Multicomponent supramolecular assembly of p-hydroxybenzoic acid and malonic acid: a deep insight into the formation of selective cocrystals. <i>CrystEngComm</i> , <b>2020</b> , 22, 5628-5637	3.3	3
174	Aerobic Oil-Phase Cyclic Magnetic Adsorption to Synthesize 1D FeO@TiO Nanotube Composites for Enhanced Visible-Light Photocatalytic Degradation. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
173	Measurement and correlation of solubility and thermodynamic properties of dicumyl peroxide (DCP) in pure and binary solvents. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 314, 113268	6	16
172	Tuning the photomechanical behavior and excellent elasticity of azobenzene via cocrystal engineering. <i>CrystEngComm</i> , <b>2020</b> , 22, 8045-8053	3.3	9
171	Binary solid solutions of anthracene and carbazole: Thermal properties, structure and crystallization kinetics. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 309, 112646	6	2

170	Enhanced removal of Pb(II) and organics by titanate in a designed simultaneous process. <i>Separation and Purification Technology</i> , <b>2020</b> , 251, 117339	8.3	5
169	Molecular evolution pathways during nucleation of small organic molecules: solute-rich pre-nucleation species enable control over the nucleation process. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 18663-18671	3.6	2
168	Modeling of Mixed Mechanism Adsorption Processes Driven by Surface Adsorption and Internal Ion Exchange. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 14467-14475	3.9	2
167	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> , <b>2020</b> , 380, 122564	14.7	11
166	Crystallization of Lithium Carbonate from Aqueous Solution: New Insights into Crystal Agglomeration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18448-18455	3.9	7
165	Reverse Antisolvent Method To Avoid Jelly-like Phase Generation and Preparation of Crystalline Cefquinome. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 1559-1566	3.5	7
164	Photoinduced multi-directional deformation of azobenzene molecular crystals. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 503-508	7.1	33
163	Theoretical Model and Experimental Investigations on Solution-Mediated Polymorphic Transformation of Theophylline: From Polymorph I to Polymorph II. <i>Crystals</i> , <b>2019</b> , 9, 260	2.3	4
162	Thermodynamic and population balance models for solvent-mediated phase transformation of lansoprazole. <i>Chemical Engineering Science</i> , <b>2019</b> , 207, 247-257	4.4	7
161	Solubility and thermodynamic properties of azlocillin in pure and binary solvent systems. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 286, 110897	6	20
160	Hollow and Solid Spherical Azithromycin Particles Prepared by Different Spherical Crystallization Technologies for Direct Tableting. <i>Processes</i> , <b>2019</b> , 7, 276	2.9	6
159	Novel Technology for Separation of Binary Eutectic-Forming Mixture by Cocrystallization into Different Sizes Combined with Particle Size Fraction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> ,	3.9	2
158	Catalytic 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> , <b>2019</b> ,	3.9	20
157	Determination of Solubility and Nucleation Kinetics of Valnemulin Hydrochloride Solvate. <i>Journal of Solution Chemistry</i> , <b>2019</b> , 48, 413-426	1.8	8
156	Solution thermodynamics of tris-(2,4-ditert-butylphenyl)-phosphite in a series of pure solvents. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 283, 713-724	6	21
155	Double-layered hierarchical titanate and its attaching and splitting mechanism. <i>Ceramics International</i> , <b>2019</b> , 45, 12290-12296	5.1	5
154	Determination and Modeling of Solubility of 4-Aminobenzamide in Different Pure Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 1569-1576	2.8	12
153	A simple one-step synthetic route to access a range of metal-doped polyoxovanadate clusters. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4555-4564	4.3	3

152	Confined Crystallization of Pigment Red 146 in Emulsion Droplets and Its Mechanism. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	4
151	Crystallization of Sodium Percarbonate from Aqueous Solution: Basic Principles of Spherulite Product Design. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 5715-5724	3.9	3
150	Self-Assembly of Monodispersed Carnosine Spherical Crystals in a Reverse Antisolvent Crystallization Process. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 2695-2705	3.5	6
149	Corrigendum to Solubility and thermodynamic properties of 5-nitrofurazone form $\Gamma$ in mono-solvents and binary solvent mixtures[J. Mol. Liq. 275 (2019) 815828]. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 280, 173-174	6	4
148	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> , <b>2019</b> , 366, 50-61	14.7	41
147	Thermodynamic mechanism of selective cocrystallization explored by MD simulation and phase diagram analysis. <i>AIChE Journal</i> , <b>2019</b> , 65, e16570	3.6	12
146	Predicting the crystal habit of photoinitiator XBPO and elucidating the solvent effect on crystal faces. <i>CrystEngComm</i> , <b>2019</b> , 21, 2422-2430	3.3	13
145	Ternary phase diagrams and solvate transformation thermodynamics of omeprazole sodium in different solvent mixtures. <i>Chinese Journal of Chemical Engineering</i> , <b>2019</b> , 27, 362-368	3.2	5
144	Investigations on growth intensification of p-toluamide crystals based on growth rate analysis and molecular simulation. <i>CrystEngComm</i> , <b>2019</b> , 21, 5519-5525	3.3	5
143	Solution thermodynamic properties of flurbiprofen in twelve solvents from 283.15 to 323.15 K. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 296, 111744	6	7
142	Consistency and variability of cocrystals containing positional isomers: the self-assembly evolution mechanism of supramolecular synthons of cresol-piperazine. <i>IUCrJ</i> , <b>2019</b> , 6, 1064-1073	4.7	7
141	Insight into the role of pre-assembly and desolvation in crystal nucleation: a case of p-nitrobenzoic acid. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 845-854	1.8	6
140	Electron reduction for the preparation of rGO with high electrochemical activity. <i>Catalysis Today</i> , <b>2019</b> , 337, 63-68	5.3	11
139	Thermodynamics and molecular mechanism of the formation of the cocrystals of p-hydroxybenzoic acid and glutaric acid. <i>CrystEngComm</i> , <b>2019</b> , 21, 6374-6381	3.3	2
138	Coordination-induced conformation diversity for pharmaceutical polymorph control. <i>CrystEngComm</i> , <b>2019</b> , 21, 6585-6590	3.3	1
137	Solubility and thermodynamic properties of dirithromycin form A and form B in pure solvents and binary solvent mixture. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 132, 240-249	2.9	14
136	Gelation Mechanism of Erythromycin Ethylsuccinate During Crystallization. <i>Transactions of Tianjin University</i> , <b>2019</b> , 25, 110-117	2.9	3
135	Ternary phase diagram of phenanthrene and carbazole in different solvents and its application in the separation of them. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131, 431-440	2.9	6

134	Solubility and thermodynamic properties of 5-nitrofurazone form in mono-solvents and binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 275, 815-828	6	20
133	Solid-liquid phase equilibrium and mixing thermodynamic analysis of coumarin in binary solvent mixtures. <i>Physics and Chemistry of Liquids</i> , <b>2019</b> , 57, 204-220	1.5	6
132	Solution Thermodynamics of Benzotriazole in Different Pure Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 1546-1555	2.8	12
131	Reply to Commentary concerning Solubility and dissolution thermodynamic properties of 1,6-bis[3-(3,5-ditert-butyl-4-hydroxyphenyl)propionamido]hexane in pure solvents and binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 956-957	6	
130	Application of N-Doped MoS <sub>2</sub> Nanocrystals for Removal of Azo Dyes in Wastewater. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 1180-1187	2	7
129	Solubility and mixing thermodynamic properties of (2,4,6-trimethylbenzoyl) diphenylphosphine oxide in pure and binary solvents. <i>Fluid Phase Equilibria</i> , <b>2018</b> , 461, 57-69	2.5	15
128	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> , <b>2018</b> , 252, 103-111	6	15
127	Mechanism of Influence of Organic Impurity on Crystallization of Sodium Sulfate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 1705-1713	3.9	22
126	Thermodynamic properties of disodium sebacate in different binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 252, 194-202	6	9
125	Confirmation of More Stable Polymorphic Form of Etoricoxib at Room Temperature. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 1903-1910	3.9	6
124	Estimation and confirmation of the thermodynamic stability relationships of the enantiotropic polymorphs of glycolide. <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 118, 26-33	2.9	7
123	Solid-liquid phase equilibria of ternary system Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> SO <sub>4</sub> -H <sub>2</sub> O in a wide range of temperatures: Measurement and application. <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 125, 1-10	2.9	4
122	Influence of Diacylglycerol on Physicochemical Properties and Crystallization Behavior of Palm Oil. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 1587-1593	2	3
121	Cocrystal and its Application in the Field of Active Pharmaceutical Ingredients and Food Ingredients. <i>Current Pharmaceutical Design</i> , <b>2018</b> , 24, 2339-2348	3.3	9
120	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> , <b>2018</b> , 107, 344-352	3.9	13
119	Determination Methods for Crystal Nucleation Kinetics in Solutions. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 540-551	3.5	15
118	Single-Source Bismuth (Transition Metal) Polyoxovanadate Precursors for the Scalable Synthesis of Doped BiVO <sub>4</sub> Photoanodes. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804033	24	31
117	Salts, Cocrystals, and Ionic Cocrystals of a Simple-tautomeric Compound. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 6973-6983	3.5	25



116	Solubility Determination of Nicotinamide and Its Application for the Cocrystallization with Benzoic Acid. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 4157-4165	2.8	17
115	Homogeneous and Heterogeneous Nucleation of Potash Alum in Drop-Based Microfluidic Device. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 12784-12791	3.9	4
114	Manipulation of Crystal Morphology of Zoxamide Based on Phase Diagram and Crystal Structure Analysis. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5790-5799	3.5	14
113	Highly Efficient and Reusable Montmorillonite/FeO <sub>x</sub> /Humic Acid Nanocomposites for Simultaneous Removal of Cr(VI) and Aniline. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	13
112	Determination and Correlation of the Solubility of Acetylpyrazine in Pure Solvents and Binary Solvent Mixtures. <i>Journal of Solution Chemistry</i> , <b>2018</b> , 47, 950-973	1.8	2
111	Design and synthesis of core-shell FeO@PTMT composite magnetic microspheres for adsorption of heavy metals from high salinity wastewater. <i>Chemosphere</i> , <b>2018</b> , 206, 513-521	8.4	50
110	Crystallization techniques in wastewater treatment: An overview of applications. <i>Chemosphere</i> , <b>2017</b> , 173, 474-484	8.4	90
109	Solubility and dissolution thermodynamic properties of 2-Cyano-4?-methylbiphenyl in binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 236, 298-307	6	10
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106	Recent progress of continuous crystallization. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 54, 14-29	6.3	71
105	Molecular recognition and self-assembly mechanism of cocrystallization processes. <i>CrystEngComm</i> , <b>2017</b> , 19, 3746-3752	3.3	8
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103	Progress of crystallization in microfluidic devices. <i>Lab on A Chip</i> , <b>2017</b> , 17, 2167-2185	7.2	46
102	Thermodynamic properties of enantiotropic polymorphs of glycolide. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 111, 106-114	2.9	7
101	Transformable Nanomaterials as an Artificial Extracellular Matrix for Inhibiting Tumor Invasion and Metastasis. <i>ACS Nano</i> , <b>2017</b> , 11, 4086-4096	16.7	119
100	Solid-liquid equilibrium of erythromycin thiocyanate dihydrate in four mono-solvents and three binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 234, 408-416	6	1
99	Measurement and Correlation of Solubility of Amorphous Cefmetazole Sodium in Pure Solvents and Binary Solvent Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 398-406	2.8	4

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97	Thermodynamic equilibrium of hydrocortisone form I in different solvent systems. <i>Fluid Phase Equilibria</i> , <b>2017</b> , 454, 1-10	2.5	9
96	Solubility and thermodynamic properties of maltol in different pure solvents. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 243, 313-323	6	28
95	Solubility and dissolution thermodynamic properties of lansoprazole in pure solvents. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 241, 399-406	6	48
94	Determination and correlation of solubility of 11 $\beta$ -7 $\alpha$ -dihydroxy-4-pregnene-3,20-dione in different solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 105, 423-433	2.9	2
93	Thermodynamic properties of l-Theanine in different solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 105, 198-208	2.9	2
92	Solid-liquid phase equilibrium and dissolution properties of ethyl vanillin in pure solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 105, 345-351	2.9	24
91	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> , <b>2017</b> , 25, 955-962	3.2	18
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84	Process Design for Antisolvent Crystallization of Erythromycin Ethylsuccinate in Oiling-out System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 7484-7492	3.9	19
83	Measurement and correlation of solubility of cefmenoxime hydrochloride in pure solvents and binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 95, 63-71	2.9	46
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81	Measurement and correlation of solubility of thiourea in two solvent mixtures from T = (283.15 to 313.15) K. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 94, 110-118	2.9	38

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70	Measurement and prediction of dabigatran etexilate mesylate Form II solubility in mono-solvents and mixed solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 103, 44-50	2.9	8
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67	Solution thermodynamics of valnemulin hydrogen fumarate in different pure solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 91, 73-79	2.9	10
66	Liquid-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> , <b>2015</b> , 404, 17-25	2.5	11
65	Determination and correlation of solubility and solution thermodynamics of coumarin in different pure solvents. <i>Fluid Phase Equilibria</i> , <b>2015</b> , 394, 148-155	2.5	22
64	Thermodynamic study on dynamic water and organic vapor sorption on amorphous valnemulin hydrochloride. <i>Frontiers of Chemical Science and Engineering</i> , <b>2015</b> , 9, 94-104	4.5	14
63	(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> , <b>2015</b> , 85, 171-177	2.9	17

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58	Isolation Strategies and Transformation Behaviors of Spironolactone Forms. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 11222-11229	3.9	10
57	Solubilities of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Different Pure Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2015</b> , 60, 3053-3061	2.8	22
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55	Monodisperse ultra-large-pore silica coated polystyrene core-shell microbeads via layer-by-layer assembly for nano-micro composite. <i>Transactions of Tianjin University</i> , <b>2015</b> , 21, 420-426	2.9	
54	Monitoring the liquid phase concentration by Raman spectroscopy in a polymorphic system. <i>Journal of Raman Spectroscopy</i> , <b>2015</b> , 46, 1150-1156	2.3	6
53	Correlation between Thermal Properties and Chemical Composition of Palm Oil Top Olein Fractions. <i>Chemical Engineering and Technology</i> , <b>2015</b> , 38, 1035-1041	2	3
52	Thermodynamics of 4-Bromomethyl-2-cyanobiphenyl in different solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 83, 77-84	2.9	14
51	Investigation of Solution-Mediated Phase Transformation of Cefuroxime Acid to Its Acetonitrile Solvate. <i>Organic Process Research and Development</i> , <b>2015</b> , 19, 1820-1825	3.9	12
50	Crystallization Methods for Preparation of Nanocrystals for Drug Delivery System. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 3131-9	3.3	18
49	Dosage Form Developments of Nanosuspension Drug Delivery System for Oral Administration Route. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 4355-65	3.3	23
48	Determination and correlation of solubility and solution thermodynamics of valnemulin hydrogen tartrate in different pure solvents. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 372, 7-14	2.5	27
47	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> , <b>2014</b> , 68, 270-274	2.9	46
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45	Gel Formation and Phase Transformation during the Crystallization of Valnemulin Hydrogen Tartrate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 16859-16863	3.9	18

44	Thermodynamic Properties of Form A and Form B of Florfenicol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 13506-13512	3.9	29
43	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> , <b>2014</b> , 59, 1326-1333	2.8	26
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41	Modeling and Simulation of Thermodynamic Properties of l-Alanyl-l-Glutamine in Different Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 3385-3392	3.9	26
40	Concomitant Crystallization of Cefuroxime Acid and Its Acetonitrile Solvate in Acetonitrile and Water Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 14028-14035	3.9	9
39	Solid-Liquid Phase Equilibria of Ternary Mixtures Containing 1,2-Dihydroacenaphthylene and Dibenzofuran. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 1347-1352	2.8	4
38	Solid-Liquid equilibrium of sulbactam in pure solvents and binary solvent mixtures. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 382, 197-204	2.5	38
37	Effects of Solvent on Polymorph Formation and Nucleation of Prasugrel Hydrochloride. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 4519-4525	3.5	53
36	Gelation Phenomenon during Antisolvent Crystallization of Cefotaxime Sodium. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 1286-1292	3.9	18
35	Determination and correlation of solubility of spironolactone form II in pure solvents and binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 79, 61-68	2.9	41
34	Measurement and Correlation of Solubility of Calcium-l-lactate Pentahydrate in Ethanol + Water and Acetone + Water Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 2642-2648	2.8	15
33	Determination and correlation of cefoperazone solubility in different pure solvents and binary mixture. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 361, 223-228	2.5	20
32	Solution-Mediated Polymorphic Transformation of Prasugrel Hydrochloride from Form II to Form I. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 5652-5659	3.9	43
31	Determination and correlation of cefuroxime acid solubility in (acetonitrile + water) mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 77, 144-150	2.9	29
30	An odd-Even effect on solubility of dicarboxylic acids in organic solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 77, 91-97	2.9	41
29	Automated self seeding of batch crystallizations via plug flow seed generation. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 2534-2541	5.5	10
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26	Concomitant Polymorphism of Prasugrel Hydrochloride in Reactive Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 16182-16189	3.9	19
25	Spontaneous Polymorphic Nucleation of d-Mannitol in Aqueous Solution Monitored with Raman Spectroscopy and FBRM. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 5179-5187	3.5	29
24	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> , <b>2013</b> , 52, 17667-17675	3.9	14
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22	Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 337, 354-362	2.5	37
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20	Determination and Correlation of Solubility of Cefradine Form I in Five Pure Solvents from (283.15 to 308.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 2028-2034	2.8	12
19	Determination of Solubility and Induction Time of Ceftazidime. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 176-182	2.8	20
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16	In-situ monitoring and characterization of plug flow crystallizers. <i>Chemical Engineering Science</i> , <b>2012</b> , 77, 105-111	4.4	49
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5	Effect of solvent on crystallization behavior of xylitol. <i>Journal of Crystal Growth</i> , <b>2006</b> , 290, 192-196	1.6	25
4	Solubility of Erythritol in Different Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 1454-1456	2.8	24
3	Determination of induction period and crystal growth mechanism of dexamethasone sodium phosphate in methanol/acetone system. <i>Journal of Crystal Growth</i> , <b>2005</b> , 274, 545-549	1.6	27
2	Solubility of Dexamethasone Sodium Phosphate in Different Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1697-1698	2.8	101
1	Measurement and Correlation of Solubility and Thermodynamic Properties of Phenacetin in 12 Pure Solvents from 283.15 to 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> ,	2.8	1