

Hong-xun Hao

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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	An Overview of Nanomaterials for Water and Wastewater Treatment. <i>Advances in Materials Science and Engineering</i> , 2016 , 2016, 1-10	1.5	135
240	Transformable Nanomaterials as an Artificial Extracellular Matrix for Inhibiting Tumor Invasion and Metastasis. <i>ACS Nano</i> , 2017 , 11, 4086-4096	16.7	119
239	Solubility of Dexamethasone Sodium Phosphate in Different Solvents. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1697-1698	2.8	101
238	Crystallization techniques in wastewater treatment: An overview of applications. <i>Chemosphere</i> , 2017 , 173, 474-484	8.4	90
237	Mechanism, synthesis and modification of nano zerovalent iron in water treatment. <i>Nanoscale</i> , 2016 , 8, 9962-75	7.7	73
236	Recent progress of continuous crystallization. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 54, 14-29	6.3	71
235	Characterization of the anti-solvent batch, plug flow and MSMPR crystallization of benzoic acid. <i>Chemical Engineering Science</i> , 2013 , 104, 44-54	4.4	71
234	Effects of Solvent on Polymorph Formation and Nucleation of Prasugrel Hydrochloride. <i>Crystal Growth and Design</i> , 2014 , 14, 4519-4525	3.5	53
233	The Use of in Situ Tools To Monitor the Enantiotropic Transformation of p-Aminobenzoic Acid Polymorphs. <i>Organic Process Research and Development</i> , 2012 , 16, 35-41	3.9	53
232	Supersaturation tracking for the development, optimization and control of crystallization processes. <i>Chemical Engineering Research and Design</i> , 2010 , 88, 1108-1119	5.5	53
231	Design and synthesis of core-shell FeO@PTMT composite magnetic microspheres for adsorption of heavy metals from high salinity wastewater. <i>Chemosphere</i> , 2018 , 206, 513-521	8.4	50
230	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	2.9	49
229	In-situ monitoring and characterization of plug flow crystallizers. <i>Chemical Engineering Science</i> , 2012 , 77, 105-111	4.4	49
228	Solubility and Thermodynamic Stability of the Enantiotropic Polymorphs of 2,3,5-Trimethyl-1,4-diacetoxybenzene. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 2477-2485	3.8	49
227	Solubility and dissolution thermodynamic properties of lansoprazole in pure solvents. <i>Journal of Molecular Liquids</i> , 2017 , 241, 399-406	6	48
226	Progress of crystallization in microfluidic devices. <i>Lab on A Chip</i> , 2017 , 17, 2167-2185	7.2	46
225	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	2.9	46

224	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	2.9	46
223	Solution-Mediated Polymorphic Transformation of Prasugrel Hydrochloride from Form II to Form I. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 5652-5659	3.9	43
222	Recent Progress on Nanostructures for Drug Delivery Applications. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-12	3.2	43
221	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	3.9	42
220	Oil-phase cyclic magnetic adsorption to synthesize Fe ₃ O ₄ @C@TiO ₂ -nanotube composites for simultaneous removal of Pb(II) and Rhodamine B. <i>Chemical Engineering Journal</i> , 2019 , 366, 50-61	14.7	41
219	Porous hydrogen-bonded organic frameworks (HOFs): From design to potential applications. <i>Chemical Engineering Journal</i> , 2020 , 399, 125873	14.7	41
218	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	2.9	41
217	An odd-even effect on solubility of dicarboxylic acids in organic solvents. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 91-97	2.9	41
216	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	3.5	40
215	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	3.9	39
214	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> , 2016 , 94, 110-118	2.9	38
213	Solid-liquid equilibrium of sulbactam in pure solvents and binary solvent mixtures. <i>Fluid Phase Equilibria</i> , 2014 , 382, 197-204	2.5	38
212	In situ monitoring, control and optimization of a liquid-liquid phase separation crystallization. <i>Chemical Engineering Science</i> , 2012 , 77, 112-121	4.4	38
211	Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. <i>Fluid Phase Equilibria</i> , 2013 , 337, 354-362	2.5	37
210	Solubility and thermodynamic properties of vanillyl alcohol in some pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2017 , 106, 276-284	2.9	34
209	Photoinduced multi-directional deformation of azobenzene molecular crystals. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 503-508	7.1	33
208	Solution Crystallization of Vanillin in the Presence of a Liquid-liquid Phase Separation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14646-14652	3.9	33
207	Identification and Molecular Understanding of the Odd-Even Effect of Dicarboxylic Acids Aqueous Solubility. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 18458-18465	3.9	32

206	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	3.9	32
205	Determination of the Solubility, Dissolution Enthalpy, and Entropy of Pioglitazone Hydrochloride (Form II) in Different Pure Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 3036-3041	3.9	31
204	Single-Source Bismuth (Transition Metal) Polyoxovanadate Precursors for the Scalable Synthesis of Doped BiVO Photoanodes. <i>Advanced Materials</i> , 2018 , 30, e1804033	24	31
203	Thermodynamic Properties of Form A and Form B of Florfenicol. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 13506-13512	3.9	29
202	Determination and correlation of cefuroxime acid solubility in (acetonitrile + water) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 144-150	2.9	29
201	Spontaneous Polymorphic Nucleation of d-Mannitol in Aqueous Solution Monitored with Raman Spectroscopy and FBRM. <i>Crystal Growth and Design</i> , 2013 , 13, 5179-5187	3.5	29
200	Solubility and thermodynamic properties of maltol in different pure solvents. <i>Journal of Molecular Liquids</i> , 2017 , 243, 313-323	6	28
199	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	2.5	27
198	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	1.6	27
197	Measurement and Correlation of Solubility and Dissolution Thermodynamic Properties of Furan-2-carboxylic Acid in Pure and Binary Solvents. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 1326-1333	2.8	26
196	Modeling and Simulation of Thermodynamic Properties of l-Alanyl-l-Glutamine in Different Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3385-3392	3.9	26
195	Effect of solvent on crystallization behavior of xylitol. <i>Journal of Crystal Growth</i> , 2006 , 290, 192-196	1.6	25
194	Salts, Cocrystals, and Ionic Cocrystals of a Simple π -automeric Compound. <i>Crystal Growth and Design</i> , 2018 , 18, 6973-6983	3.5	25
193	Solid-liquid phase equilibrium and dissolution properties of ethyl vanillin in pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 345-351	2.9	24
192	Solubility of Erythritol in Different Solvents. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1454-1456	1.5	24
191	Dosage Form Developments of Nanosuspension Drug Delivery System for Oral Administration Route. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4355-65	3.3	23
190	Fabrication, application, optimization and working mechanism of FeO and its composites for contaminants elimination from wastewater. <i>Chemosphere</i> , 2021 , 263, 127889	8.4	23
189	Determination and correlation of solubility and solution thermodynamics of coumarin in different pure solvents. <i>Fluid Phase Equilibria</i> , 2015 , 394, 148-155	2.5	22

188	Solubilities of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Different Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 3053-3061	2.8	22
187	Mechanism of Influence of Organic Impurity on Crystallization of Sodium Sulfate. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1705-1713	3.9	22
186	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	6	21
185	Solubility and thermodynamic properties of azlocillin in pure and binary solvent systems. <i>Journal of Molecular Liquids</i> , 2019 , 286, 110897	6	20
184	Catalytic Layered Double Oxides as Heterogeneous Catalyst for Enhanced Degradation of Organic Pollutants in Wastewater by Activating Peroxymonosulfate: Performance and Synergistic Effect. <i>Industrial & Engineering Chemistry Research</i> , 2019 ,	3.9	20
183	Determination and correlation of cefoperazone solubility in different pure solvents and binary mixture. <i>Fluid Phase Equilibria</i> , 2014 , 361, 223-228	2.5	20
182	Determination of Solubility and Induction Time of Ceftazidime. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 176-182	2.8	20
181	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	6	20
180	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	6	20
179	BiO nanosheets arrays in-situ decorated on carbon cloth for efficient electrochemical reduction of nitrate. <i>Chemosphere</i> , 2021 , 278, 130386	8.4	20
178	Phase Transformation between Anhydrate and Monohydrate of Sodium Dehydroacetate. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3438-3444	3.9	19
177	Spherulitic Crystallization of L-Tryptophan: Characterization, Growth Kinetics, and Mechanism. <i>Crystal Growth and Design</i> , 2015 , 15, 5124-5132	3.5	19
176	Process Design for Antisolvent Crystallization of Erythromycin Ethylsuccinate in Oiling-out System. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 7484-7492	3.9	19
175	Concomitant Polymorphism of Prasugrel Hydrochloride in Reactive Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16182-16189	3.9	19
174	Gel Formation and Phase Transformation during the Crystallization of Valnemulin Hydrogen Tartrate. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 16859-16863	3.9	18
173	Gelation Phenomenon during Antisolvent Crystallization of Cefotaxime Sodium. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 1286-1292	3.9	18
172	Phase equilibria for the pseudo-ternary system (NaCl + Na ₂ SO ₄ + H ₂ O) of coal gasification wastewater at T = (268.15 to 373.15) K. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 955-962	3.2	18
171	Crystallization Methods for Preparation of Nanocrystals for Drug Delivery System. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3131-9	3.3	18

170	(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	2.9	17
169	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 & Engineering Data</i> , 2015 , 60, 1166-1172	2.8	17
168	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	2.5	17
167	Solubility Determination of Nicotinamide and Its Application for the Cocrystallization with Benzoic Acid. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 4157-4165	2.8	17
166	Solubility and dissolution thermodynamic properties of L-carnosine in binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , 2020 , 149, 106167	2.9	16
165	Magnetically Separable MoS ₂ /Fe ₃ O ₄ /ZnO Nanocomposites for the Treatment of Wastewater Containing Cr(VI) and 4-Chlorophenol. <i>Nanomaterials</i> , 2017 , 7,	5.4	16
164	Investigations on dehydration processes of trisodium citrate hydrates. <i>Frontiers of Chemical Science and Engineering</i> , 2012 , 6, 276-281	4.5	16
163	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	6	16
162	From Jellylike Phase to Crystal: Effects of Solvent on Self-Assembly of Cefotaxime Sodium. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 3075-3083	3.9	16
161	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	2.5	15
160	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	6	15
159	Measurement and Correlation of Solubility of Calcium-L-lactate Pentahydrate in Ethanol + Water and Acetone + Water Systems. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2642-2648	2.8	15
158	Determination and Correlation of Solubility Data and Dissolution Thermodynamic Data of L-Lactide in Different Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 143-150	2.8	15
157	Determination Methods for Crystal Nucleation Kinetics in Solutions. <i>Crystal Growth and Design</i> , 2018 , 18, 540-551	3.5	15
156	Solution thermodynamics of simvastatin in pure solvents and binary solvent mixtures. <i>Fluid Phase Equilibria</i> , 2015 , 406, 77-90	2.5	14
155	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	4.5	14
154	Solution thermodynamics of ceftezole in seven pure solvents and two binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112476	6	14
153	The solubility of cefquinome sulfate in pure and mixed solvents. <i>Frontiers of Chemical Science and Engineering</i> , 2016 , 10, 245-254	4.5	14

152	Antisolvent Crystallization of Erythromycin Ethylsuccinate in the Presence of Liquid-Liquid Phase Separation. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 766-776	3.9	14
151	Crystal Structures and Solvent-Mediated Transformation of the Enantiotropic Polymorphs of 2,3,5-Trimethyl-1,4-diacetoxybenzene. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 17667-17675	3.9	14
150	Thermodynamics of 4-Bromomethyl-2-cyanobiphenyl in different solvents. <i>Journal of Chemical Thermodynamics</i> , 2015 , 83, 77-84	2.9	14
149	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	2.9	14
148	Manipulation of Crystal Morphology of Zoxamide Based on Phase Diagram and Crystal Structure Analysis. <i>Crystal Growth and Design</i> , 2018 , 18, 5790-5799	3.5	14
147	Predicting the crystal habit of photoinitiator XBPO and elucidating the solvent effect on crystal faces. <i>CrystEngComm</i> , 2019 , 21, 2422-2430	3.3	13
146	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	3.9	13
145	Highly Efficient and Reusable Montmorillonite/Fe ₃ O ₄ /Humic Acid Nanocomposites for Simultaneous Removal of Cr(VI) and Aniline. <i>Nanomaterials</i> , 2018 , 8,	5.4	13
144	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	3.5	13
143	Determination and Modeling of Solubility of 4-Aminobenzamide in Different Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1569-1576	2.8	12
142	Thermodynamic mechanism of selective cocrystallization explored by MD simulation and phase diagram analysis. <i>AIChE Journal</i> , 2019 , 65, e16570	3.6	12
141	Titanate for water remediation: synthesis, application, mechanism and optimization. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14415-14440	13	12
140	Solution Thermodynamics of Benzotriazole in Different Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1546-1555	2.8	12
139	Investigation of Solution-Mediated Phase Transformation of Cefuroxime Acid to Its Acetonitrile Solvate. <i>Organic Process Research and Development</i> , 2015 , 19, 1820-1825	3.9	12
138	Determination and Correlation of Solubility of Cefradine Form I in Five Pure Solvents from (283.15 to 308.15) K. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2028-2034	2.8	12
137	Solubility of Acesulfame Potassium in Ethanol + Water and Methanol + Water Systems from (275.84 to 322.90) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 854-856	2.8	12
136	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> , 2015 , 404, 17-25	2.5	11
135	Partial Oxidation Strategy to Synthesize WS/WO Heterostructure with Enhanced Adsorption Performance for Organic Dyes: Synthesis, Modelling, and Mechanism. <i>Nanomaterials</i> , 2020 , 10,	5.4	11

134	Enhancement of lysozyme crystallization under ultrasound field. <i>Ultrasonics Sonochemistry</i> , 2020 , 63, 104975	8.9	11
133	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	3.7	11
132	Electron reduction for the preparation of rGO with high electrochemical activity. <i>Catalysis Today</i> , 2019 , 337, 63-68	5.3	11
131	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	14.7	11
130	Solubility and dissolution thermodynamic properties of 2-Cyano-4?-methylbiphenyl in binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2017 , 236, 298-307	6	10
129	Solution thermodynamics of valnemulin hydrogen fumarate in different pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2015 , 91, 73-79	2.9	10
128	Isolation Strategies and Transformation Behaviors of Spironolactone Forms. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 11222-11229	3.9	10
127	Solubility and thermodynamic mixing and dissolution properties of empagliflozin in pure and binary solvent systems. <i>Journal of Molecular Liquids</i> , 2020 , 309, 113004	6	10
126	Polymorph induced diversity of photomechanical motions of molecular crystals. <i>CrystEngComm</i> , 2020 , 22, 3279-3286	3.3	10
125	Automated self seeding of batch crystallizations via plug flow seed generation. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 2534-2541	5.5	10
124	Determination and Correlation of Ethyl Vanillin Solubility in Different Binary Solvents at Temperatures from 273.15 to 313.15 K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1788-1796 ^{2.8}	2.8	9
123	Thermodynamic properties of disodium sebacate in different binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2018 , 252, 194-202	6	9
122	Solid-liquid phase equilibrium and mixing properties of 2-Cyano-4?-methylbiphenyl in pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 134-141	2.9	9
121	Concomitant Crystallization of Cefuroxime Acid and Its Acetonitrile Solvate in Acetonitrile and Water Solution. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 14028-14035	3.9	9
120	Thermodynamic equilibrium of hydrocortisone form I in different solvent systems. <i>Fluid Phase Equilibria</i> , 2017 , 454, 1-10	2.5	9
119	Cocrystal and its Application in the Field of Active Pharmaceutical Ingredients and Food Ingredients. <i>Current Pharmaceutical Design</i> , 2018 , 24, 2339-2348	3.3	9
118	Tuning the photomechanical behavior and excellent elasticity of azobenzene via cocrystal engineering. <i>CrystEngComm</i> , 2020 , 22, 8045-8053	3.3	9
117	Effect of polymorphism on thermodynamic properties of cefamandole nafate. <i>Fluid Phase Equilibria</i> , 2016 , 422, 56-65	2.5	9

116	Molecular recognition and self-assembly mechanism of cocrystallization processes. <i>CrystEngComm</i> , 2017 , 19, 3746-3752	3.3	8
115	Determination of Solubility and Nucleation Kinetics of Valnemulin Hydrochloride Solvate. <i>Journal of Solution Chemistry</i> , 2019 , 48, 413-426	1.8	8
114	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	3.5	8
113	Polymorphism of D-mannitol: Crystal structure and the crystal growth mechanism. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 358-362	3.2	8
112	Measurement and prediction of dabigatran etexilate mesylate Form II solubility in mono-solvents and mixed solvents. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 44-50	2.9	8
111	Thermodynamic properties of enantiotropic polymorphs of glycolide. <i>Journal of Chemical Thermodynamics</i> , 2017 , 111, 106-114	2.9	7
110	Instrumental Analytical Techniques for the Characterization of Crystals in Pharmaceuticals and Foods. <i>Crystal Growth and Design</i> , 2017 , 17, 6138-6148	3.5	7
109	Crystallization of Lithium Carbonate from Aqueous Solution: New Insights into Crystal Agglomeration. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18448-18455	3.9	7
108	Reverse Antisolvent Method To Avoid Jelly-like Phase Generation and Preparation of Crystalline Cefquinome. <i>Crystal Growth and Design</i> , 2019 , 19, 1559-1566	3.5	7
107	Thermodynamic and population balance models for solvent-mediated phase transformation of lansoprazole. <i>Chemical Engineering Science</i> , 2019 , 207, 247-257	4.4	7
106	Application of N-Doped MoS ₂ Nanocrystals for Removal of Azo Dyes in Wastewater. <i>Chemical Engineering and Technology</i> , 2018 , 41, 1180-1187	2	7
105	Estimation and confirmation of the thermodynamic stability relationships of the enantiotropic polymorphs of glycolide. <i>Journal of Chemical Thermodynamics</i> , 2018 , 118, 26-33	2.9	7
104	Solution thermodynamic properties of flurbiprofen in twelve solvents from 283.15 to 323.15 K. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111744	6	7
103	Consistency and variability of cocrystals containing positional isomers: the self-assembly evolution mechanism of supramolecular synthons of cresol-piperazine. <i>IUCrJ</i> , 2019 , 6, 1064-1073	4.7	7
102	Molecular conformational evolution mechanism during nucleation of crystals in solution. <i>IUCrJ</i> , 2020 , 7, 542-556	4.7	7
101	Influences and the Mechanism of Additives on Intensifying Nucleation and Growth of p-Methylacetanilide. <i>Crystal Growth and Design</i> , 2020 , 20, 973-983	3.5	7
100	Aerobic Oil-Phase Cyclic Magnetic Adsorption to Synthesize 1D FeO@TiO Nanotube Composites for Enhanced Visible-Light Photocatalytic Degradation. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
99	Heat transfer and its effect on growth behaviors of crystal layers during static layer melt crystallization. <i>Chemical Engineering Science</i> , 2021 , 233, 116390	4.4	7

98	Azobenzene crystal polymorphism enables tunable photoinduced deformations, mechanical behaviors and photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 8294-8301	7.1	7
97	Hollow and Solid Spherical Azithromycin Particles Prepared by Different Spherical Crystallization Technologies for Direct Tableting. <i>Processes</i> , 2019 , 7, 276	2.9	6
96	Self-Assembly of Monodispersed Carnosine Spherical Crystals in a Reverse Antisolvent Crystallization Process. <i>Crystal Growth and Design</i> , 2019 , 19, 2695-2705	3.5	6
95	Solvent Effects on Catechol Crystal Habits and Aspect Ratios: A Combination of Experiments and Molecular Dynamics Simulation Study. <i>Crystals</i> , 2020 , 10, 316	2.3	6
94	Confirmation of More Stable Polymorphic Form of Etoricoxib at Room Temperature. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1903-1910	3.9	6
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