

Weiwei Tang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6223006/weiwei-tang-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

221
papers

3,275
citations

29
h-index

41
g-index

236
ext. papers

4,121
ext. citations

4
avg, IF

5.69
L-index

#	Paper	IF	Citations
221	Measurement and correlation of the solubility of kojic acid in pure and binary solvents. <i>Journal of Chemical Thermodynamics</i> , 2022 , 167, 106712	2.9	1
220	Discovering inhibitor molecules for pathological crystallization of CaOx kidney stones from natural extracts of medical herbs. <i>Journal of Ethnopharmacology</i> , 2022 , 284, 114733	5	2
219	Growth defects of organic crystals: A review. <i>Chemical Engineering Journal</i> , 2022 , 429, 132450	14.7	2
218	Thermodynamic analysis and molecular dynamic simulation of the solubility of 2,2-Bis(hydroxymethyl)propionic acid in 12 monosolvents. <i>Journal of Chemical Thermodynamics</i> , 2022 , 164, 106625	2.9	2
217	Construction and application of a qualitative and quantitative analysis system of three boscalid polymorphs based on solid-state analytical methods and chemometric tools. <i>CrystEngComm</i> , 2022 , 24, 3096-3108	3.3	2
216	The heterogeneous nucleation of pimelic acid under the effect of a template: experimental research and molecular simulation. <i>CrystEngComm</i> , 2022 , 24, 2825-2835	3.3	
215	Dual Mechanism of Natural Polyphenols on crystal whiskers formation on calcium oxalate monohydrate crystal surface. <i>Applied Surface Science</i> , 2022 , 592, 153355	6.7	
214	Improving separation efficiency of crystallization by ultrasound-accelerated nucleation: The role of solute diffusion and solvation effect. <i>Separation and Purification Technology</i> , 2022 , 294, 121143	8.3	0
213	Solid-liquid equilibrium of ropivacaine in fourteen organic solvents: An experimental and molecular simulation study. <i>Journal of Molecular Liquids</i> , 2021 , 349, 118163	6	2
212	Salts of 2-Hydroxybenzylamine with Improvements on Solubility and Stability: Virtual and Experimental Screening. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 169, 106091	5.1	2
211	Machine learning-based solubility prediction and methodology evaluation of active pharmaceutical ingredients in industrial crystallization. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 1	4.5	1
210	Modular Assembly of Drug and Monodisperse SPIONs for Superior Magnetic and T-Imaging Performance. <i>Bioconjugate Chemistry</i> , 2021 , 32, 182-191	6.3	0
209	New Salts and Cocrystals of Pymetrozine with Improvements on Solubility and Humidity Stability: Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2021 , 21, 2371-2388	3.5	8
208	Exploring Solid Form Landscape of Anticancer Drug Dimethylaminomicheliolide Fumarate: Crystal Structures Analysis, Phase Transformation Behavior, and Physicochemical Properties Characterization. <i>Crystal Growth and Design</i> , 2021 , 21, 2643-2652	3.5	2
207	Solubility Measurement and Thermodynamic Correlation of 4-(Hydroxymethyl) Benzoic Acid in Nine Pure Solvents and Two Binary Solvent Mixtures at (283.15B23.15) K. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2114-2123	2.8	1
206	Preparation and Formation Mechanism of l-Valine Spherulites via Evaporation Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 6048-6058	3.9	3
205	Co-amorphization Story of Furosemide-Amino Acid Systems: Protonation and Aromatic Stacking Insights for Promoting Compatibility and Stability. <i>Crystal Growth and Design</i> , 2021 , 21, 3280-3289	3.5	0

204	Distinct pathways of solid-to-solid phase transitions induced by defects: the case of dl-me-thio-nine. <i>IUCrJ</i> , 2021 , 8, 584-594	4.7	1
203	Solubility Measurement and Data Correlation of 4-Chlorophenoxyacetic Acid in 13 Monosolvents at Temperatures from 283.15 to 328.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2561-2567 ^{2.8}		
202	Design of Spherical Crystallization of Active Pharmaceutical Ingredients via a Highly Efficient Strategy: From Screening to Preparation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9018-9032 ^{8.3}		1
201	Crystal Growth of l-Alanine with Glycine-Based Oligopeptides: The Revelation for the Competitive Mechanism. <i>Crystal Growth and Design</i> , 2021 , 21, 3818-3830	3.5	3
200	Development and Structure Analysis of Crystal Forms of Apabetalone: Solvates and Polymorphs. <i>Crystal Growth and Design</i> , 2021 , 21, 3864-3873	3.5	1
199	Understanding the solid-liquid phase equilibrium of 3,5-dimethoxybenzoic acid in thirteen pure solvents by thermodynamic analysis and molecular simulation. <i>Journal of Molecular Liquids</i> , 2021 , 332, 115882	6	6
198	Influence of Adsorption State and Molecular Interaction on Physical Stability of Confined Amorphous Vortioxetine. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2754-2763	5.6	1
197	Evaluation on Cocrystal Screening Methods and Synthesis of Multicomponent Crystals: A Case Study. <i>Crystal Growth and Design</i> , 2021 , 21, 4531-4546	3.5	2
196	Insight into the morphology and crystal growth of DL-methionine in aqueous solution with presence of cellulose polymers. <i>Journal of Molecular Liquids</i> , 2021 , 116967	6	4
195	Solubility of benorilate in twelve monosolvents: Determination, correlation and COSMO-RS analysis. <i>Journal of Chemical Thermodynamics</i> , 2021 , 152, 106272	2.9	11
194	Solid-liquid equilibrium behavior and thermodynamic analysis of p-aminobenzoic acid using experimental measurement and molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114964	6	8
193	Similar but Not the Same: Difference in the Ability to Form Cocrystals between Nimesulide and the Pyridine Analogues. <i>Crystal Growth and Design</i> , 2021 , 21, 287-296	3.5	2
192	Highly-efficient production of spherical co-agglomerates of drugs via an organic solvent-free process and a mechanism study. <i>Green Chemistry</i> , 2021 , 23, 2710-2721	10	4
191	Form selection of concomitant polymorphs: A case study informed by crystallization kinetics modeling. <i>AIChE Journal</i> , 2021 , 67, e17129	3.6	5
190	Structural Origins of Elastic and 2D Plastic Flexibility of Molecular Crystals Investigated with Two Polymorphs of Conformationally Rigid Coumarin. <i>Chemistry of Materials</i> , 2021 , 33, 1053-1060	9.6	15
189	Use of additives to regulate solute aggregation and direct conformational polymorph nucleation of pimelic acid. <i>IUCrJ</i> , 2021 , 8, 161-167	4.7	4
188	Solubility Determination and Thermodynamic Correlation of 2-Ethoxybenzamide in 12 Pure Solvents from 288.15 to 328.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1508-1514	2.8	4
187	Particle design of the metastable form of clopidogrel hydrogen sulfate by building spherulitic growth operating spaces in binary solvent systems. <i>Powder Technology</i> , 2021 , 386, 70-80	5.2	0

186	Rationalizing the Formation of Belinostat Solvates with Experimental Screening and Computational Predictions. <i>Crystal Growth and Design</i> , 2021 , 21, 4986-4996	3.5	0
185	Revealing dissolution behavior of o-methoxybenzoic acid in twelve pure solvents using thermodynamic analysis and molecular simulation. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116242	6	4
184	Template design based on molecular and crystal structure similarity to regulate conformational polymorphism nucleation: the case of β -alkanedioic acids. <i>IUCr</i> , 2021 , 8, 814-822	4.7	1
183	Ultrasound-assisted solution crystallization of fotalglipatin benzoate: Process intensification and crystal product optimization. <i>Ultrasonics Sonochemistry</i> , 2021 , 76, 105634	8.9	1
182	Solid-liquid equilibrium and thermodynamic analysis of elastically bendable crystal celecoxib in thirteen pure solvents based on experiments and molecular simulation. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116706	6	2
181	Ultrasound-assisted theophylline polymorphic transformation: Selective polymorph nucleation, molecular mechanism and kinetics analysis. <i>Ultrasonics Sonochemistry</i> , 2021 , 77, 105675	8.9	1
180	Study on the formation mechanism of isoniazid crystal defects and defect elimination strategy based on ultrasound. <i>Ultrasonics Sonochemistry</i> , 2021 , 77, 105674	8.9	2
179	The competition between solvent-solvent and solute-solvent act on the nucleation process of 4-(methylsulfonyl)benzaldehyde. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116391	6	0
178	Enhancing continuous reactive crystallization of lithium carbonate in multistage mixed suspension mixed product removal crystallizers with pulsed ultrasound. <i>Ultrasonics Sonochemistry</i> , 2021 , 77, 105698	8.9	1
177	Solubility measurement and thermodynamic correlation of (2,4-dichlorophenoxy)acetic acid in fifteen pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2021 , 163, 106589	2.9	2
176	Solubility measurement, thermodynamic correlation and molecular simulations of uracil in (alcohol + water) binary solvents at (283.15/18.15) K. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114259	6	17
175	Green Mechanochemical Strategy for the Discovery and Selective Preparation of Polymorphs of Active Pharmaceutical Ingredient γ -Aminobutyric Acid (GABA). <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16781-16790	8.3	4
174	Tuning Physicochemical Properties of Antipsychotic Drug Aripiprazole with Multicomponent Crystal Strategy Based on Structure and Property Relationship. <i>Crystal Growth and Design</i> , 2020 , 20, 3747-3761	3.5	18
173	Interplay between Thermodynamics and Kinetics on Polymorphic Behavior of Vortioxetine Hydrobromide in Reactive Crystallization. <i>Organic Process Research and Development</i> , 2020 , 24, 1233-1243	2.9	2
172	Experimental determination and computational analysis of solid-liquid phase equilibrium of nifedipine in twelve pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2020 , 150, 106223	2.9	7
171	Effects of Temperature and Solvent Properties on the Liquid-Solid Phase Equilibrium of β -Pyrazinamide. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 3667-3678	2.8	5
170	Ultrasound-assisted intensified crystallization of L-glutamic acid: Crystal nucleation and polymorph transformation. <i>Ultrasonics Sonochemistry</i> , 2020 , 68, 105227	8.9	20
169	Additive-Induced Selective Crystallization of the Elusive Form-II of γ -Aminobutyric Acid. <i>Chemical Engineering and Technology</i> , 2020 , 43, 1137-1143	2	1

168	Exploring the physical stability of three nimesulide-indomethacin co-amorphous systems from the perspective of molecular aggregates. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 147, 105294	5.1	11
167	Strategy of selecting solvent systems for spherical agglomeration by the Lifshitz-van der Waals acid-base approach. <i>Chemical Engineering Science</i> , 2020 , 220, 115613	4.4	7
166	Understanding the Effects of Upstream Impurities on the Oiling-Out and Crystallization of β -Aminobutyric Acid. <i>Organic Process Research and Development</i> , 2020 , 24, 398-404	3.9	4
165	Reply to the Comment on Polymorphism of levofloxacin: structure, properties and phase transformation by Tejender S. Thakur, <i>CrystEngComm</i> , 2020, 22, DOI: 10.1039/C9CE01400D. <i>CrystEngComm</i> , 2020 , 22, 1889-1891	3.3	
164	Effect of crystal growth kinetics on the formation of liquid inclusions in tetramethylpyrazine crystals. <i>CrystEngComm</i> , 2020 , 22, 1991-2001	3.3	10
163	Nucleation behavior of ethyl vanillin: Balance between chemical potential difference and saturation temperature. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112609	6	10
162	Kinetic Difference between Concomitant Polymorphism and Solvent-Mediated Phase Transformation: A Case of Tolfenamic Acid. <i>Crystal Growth and Design</i> , 2020 , 20, 1779-1788	3.5	12
161	Solubility Measurement and Correlation of Ceftiofur Sodium Trihydrate in Four Binary Solvent Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 916-922	2.8	2
160	Understanding the Crystallization Pathway of Monosodium Urate Monohydrate in a Biomimetic Matrix. <i>Crystal Growth and Design</i> , 2020 , 20, 804-812	3.5	3
159	Correlation and Thermodynamic Analysis of Solubility of Mesotrione in Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 877-884	2.8	10
158	Recent Progress in Continuous Crystallization of Pharmaceutical Products: Precise Preparation and Control. <i>Organic Process Research and Development</i> , 2020 , 24, 1785-1801	3.9	30
157	Investigation of Drug-Polymer Miscibility, Molecular Interaction, and Their Effects on the Physical Stabilities and Dissolution Behaviors of Norfloxacin Amorphous Solid Dispersions. <i>Crystal Growth and Design</i> , 2020 , 20, 2952-2964	3.5	8
156	Eutectics and Salt of Dapsone With Hydroxybenzoic Acids: Binary Phase Diagrams, Characterization and Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2224-2236	3.9	8
155	Probing the structural pathway of conformational polymorph nucleation by comparing a series of β -alkanedicarboxylic acids. <i>IUCrJ</i> , 2020 , 7, 422-433	4.7	8
154	Uncovering the effect of solvents on solid-liquid phase equilibrium of praziquantel. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111917	6	8
153	The time and location dependent prediction of crystal caking by a modified crystal bridge growth model and DEM simulation considering particle size and shape. <i>Chemical Engineering Science</i> , 2020 , 214, 115419	4.4	4
152	Enhancing Stability and Formulation Capability of Fungicides by Cocrystallization through a Novel Multistep Slurry Conversion Process. <i>Crystal Growth and Design</i> , 2020 , 20, 7356-7367	3.5	8
151	The formation mechanism of hollow spherulites and molecular conformation of curcumin and solvate. <i>CrystEngComm</i> , 2020 , 22, 8405-8411	3.3	0

150	Transformation between Two Types of Spherulitic Growth: Tuning the Morphology of Spherulitic Nitroguanidine in a Gelatin Solution. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21167-21176	3.9	4
149	Crystallization behavior of citric acid based on solution speciation and growth kinetics. <i>CrystEngComm</i> , 2020 , 22, 8189-8196	3.3	
148	Revealing the role of anisotropic solvent interaction in crystal habit formation of nifedipine. <i>Journal of Crystal Growth</i> , 2020 , 552, 125941	1.6	1
147	Seeding Techniques and Optimization of Solution Crystallization Processes. <i>Organic Process Research and Development</i> , 2020 , 24, 1839-1849	3.9	9
146	The effect of solvents on solid-liquid phase equilibrium of Dimethyl sulfone. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112448	6	4
145	A New Perspective of Gallic Acid on Calcium Oxalate Nucleation. <i>Crystal Growth and Design</i> , 2020 , 20, 3173-3181	3.5	6
144	Artificial Neural Network Prediction of Metastable Zone Widths in Reactive Crystallization of Lithium Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7765-7776	3.9	3
143	Polymorphism of levofloxacin: structure, properties and phase transformation. <i>CrystEngComm</i> , 2019 , 21, 6196-6207	3.3	11
142	Experimental determination and prediction of the solubility of alpha-(trichloromethyl) benzyl acetate in monosolvents and binary mixed solvents. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111633	6	11
141	Insight into the State Evolution of Norfloxacin as a Function of Drug Concentration in Norfloxacin-Vinylpyrrolidone/Hydroxypropyl Methylcellulose/Hydroxypropyl Methylcellulose Phthalate Solid Dispersions. <i>Crystal Growth and Design</i> , 2019 , 19, 6239-6251	3.5	7
140	Spherulitic growth and morphology control of lithium carbonate: the stepwise evolution of core-shell structures. <i>Powder Technology</i> , 2019 , 355, 617-628	5.2	8
139	Insight into the role of piperazine in the thermodynamics and nucleation kinetics of the triethylenediamine-ethyl tertiary butyl ether system. <i>CrystEngComm</i> , 2019 , 21, 948-956	3.3	13
138	The Phase Transformation and Formation Mechanism of Isostructural Solvates: A Case Study of Azoxystrobin. <i>Crystal Growth and Design</i> , 2019 , 19, 1550-1558	3.5	9
137	Surprising Effect of Carbon Chain Length on Inducing Ability of Additives: Elusive Form-II of γ -Aminobutyric Acid (GABA) Induced by Sodium Carboxylate Additives. <i>Crystal Growth and Design</i> , 2019 , 19, 3825-3833	3.5	8
136	Assessment of ECMWF reanalysis data in complex terrain: Can the CERA-20C and ERA-Interim data sets replicate the variation in surface air temperatures over Sichuan, China?. <i>International Journal of Climatology</i> , 2019 , 39, 5619-5634	3.5	12
135	Solid-liquid phase equilibrium and thermodynamic analysis of metal dithiolene complex: The case of zinc dibutyl dithiocarbamate. <i>Journal of Molecular Liquids</i> , 2019 , 284, 547-556	6	17
134	Understanding the Role of Citric Acid on the Crystallization Pathways of Calcium Oxalate Hydrates. <i>Crystal Growth and Design</i> , 2019 , 19, 3139-3147	3.5	11
133	Tuning crystallization and stability of the metastable polymorph of DL-methionine by a structurally similar additive. <i>CrystEngComm</i> , 2019 , 21, 3731-3739	3.3	14

132	Mechanism and Modelling of Reactive Crystallization Process of Lithium Carbonate. <i>Processes</i> , 2019 , 7, 248	2.9	6
131	Revealing the role of a surfactant in the nucleation and crystal growth of thiamine nitrate: experiments and simulation studies. <i>CrystEngComm</i> , 2019 , 21, 3576-3585	3.3	12
130	Influence of the Solvent Content on the Phase Transformation of Sulfadiazine N-Methyl Pyrrolidone Solvate. <i>Chemical Engineering and Technology</i> , 2019 , 42, 1435-1445	2	3
129	Polymorphism and molecular conformations of nicosulfuron: structure, properties and desolvation process. <i>CrystEngComm</i> , 2019 , 21, 2790-2798	3.3	7
128	Control of Crystal Properties in a Mixed-Suspension Mixed-Product Removal Crystallizer: General Methods and the Effects of Secondary Nucleation. <i>Crystal Growth and Design</i> , 2019 , 19, 3070-3084	3.5	10
127	The effects of solvent properties on solid-liquid phase equilibrium of ethylene thiourea. <i>Journal of Molecular Liquids</i> , 2019 , 285, 459-467	6	18
126	Amorphous and humidity caking: A review. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 1429-1438	3.2	10
125	A tolbutamide-metformin salt based on antidiabetic drug combinations: synthesis, crystal structure analysis and pharmaceutical properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 1250-1258	0.8	6
124	Solid-Liquid Phase Equilibrium and Thermodynamic Analysis of N,N'-Diethylthiourea in Different Solvent Systems. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 6031-6040	2.8	12
123	Solid-liquid phase equilibrium and thermodynamic analysis of griseofulvin in twelve mono-solvents. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111861	6	15
122	Design of Spherical Crystallization for Drugs Based on Thermal-Induced Liquid-Liquid Phase Separation: Case Studies of Water-Insoluble Drugs. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20401-20411	3.9	10
121	Thermodynamic analysis and molecular dynamic simulation of solid-liquid phase equilibrium of griseofulvin in three binary solvent systems. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111600	6	8
120	Unveiling the Critical Roles of Aromatic Interactions in the Crystal Nucleation Pathway of Flufenamic Acid. <i>Crystal Growth and Design</i> , 2019 , 19, 7175-7184	3.5	11
119	Uncovering the Role of Surfactants in Controlling the Crystal Growth of Pyridoxine Hydrochloride. <i>Crystal Growth and Design</i> , 2019 , 19, 7240-7248	3.5	4
118	Preparation and characterization for multicomponent crystals of the antidiabetic drug gliquidone based on crystal engineering. <i>CrystEngComm</i> , 2019 , 21, 1617-1625	3.3	11
117	Measurement and Correlation of the Solubility of Tetramethylpyrazine in Nine Monosolvents and Two Binary Solvent Systems. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 995-1006	2.8	13
116	Revealing the critical role of template functional group ordering in the template-directed crystallization of pyrazinamide. <i>CrystEngComm</i> , 2019 , 21, 6382-6389	3.3	3
115	Solvent-mediated morphology selection of the active pharmaceutical ingredient isoniazid: Experimental and simulation studies. <i>Chemical Engineering Science</i> , 2019 , 204, 320-328	4.4	23

114	Interplay between Kinetics and Thermodynamics on the Probability Nucleation Rate of a Urea/Water Crystallization System. <i>Crystal Growth and Design</i> , 2018 , 18, 2305-2315	3.5	14
113	Spherical Crystallization and the Mechanism of Clopidogrel Hydrogen Sulfate. <i>Chemical Engineering and Technology</i> , 2018 , 41, 1259-1265	2	9
112	Design and mechanism of the formation of spherical KCl particles using cooling crystallization without additives. <i>Powder Technology</i> , 2018 , 329, 455-462	5.2	15
111	The Solid-Liquid Equilibrium and Crystal Habit of L-Carnitine Fumarate. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 574-586	2.8	3
110	Effects of Additives on the Morphology of Thiamine Nitrate: The Great Difference of Two Kinds of Similar Additives. <i>Crystal Growth and Design</i> , 2018 , 18, 775-785	3.5	23
109	Seed-Assisted Effects on Solution-Mediated Phase Transformation: A Case Study of L-Histidine in Antisolvent Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 784-793	3.9	5
108	Oiling-Out Investigation and Morphology Control of β -Alanine Based on Ternary Phase Diagrams. <i>Crystal Growth and Design</i> , 2018 , 18, 818-826	3.5	24
107	Optimization of cooling strategy and seeding by FBRM analysis of batch crystallization. <i>Journal of Crystal Growth</i> , 2018 , 486, 1-9	1.6	15
106	Ultrasonic Irradiation and Seeding To Prevent Metastable Liquid-Liquid Phase Separation and Intensify Crystallization. <i>Crystal Growth and Design</i> , 2018 , 18, 2628-2635	3.5	19
105	Caking of crystals: Characterization, mechanisms and prevention. <i>Powder Technology</i> , 2018 , 337, 51-67	5.2	22
104	Novel Strategy to Control Polymorph Nucleation of Gamma Pyrazinamide by Preferred Intermolecular Interactions during Heterogeneous Nucleation. <i>Crystal Growth and Design</i> , 2018 , 18, 4874-4879 ¹⁶	2.5	16
103	Determination and Correlation of Solubility and Thermodynamic Properties of trans-Cinnamyl Alcohol in Pure and Binary Solvents from 253.15 K to 293.15 K. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 77-88	2.8	4
102	Crystal Structures and Phase Behavior of Sulfadiazine and a Method for the Preparation of Aggregates with Good Performance. <i>Chemical Engineering and Technology</i> , 2018 , 41, 532-540	2	6
101	Crystal morphology optimization of thiamine hydrochloride in solvent system: Experimental and molecular dynamics simulation studies. <i>Journal of Crystal Growth</i> , 2018 , 481, 48-55	1.6	13
100	Solubility and Data Correlation of Isoniazid in Different Pure and Binary Mixed Solvent Systems from 283.15 K to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2018 ,	2.8	12
99	Thermodynamic analysis and molecular dynamic simulation of the solubility of vortioxetine hydrobromide in three binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2018 , 272, 676-688	6	56
98	Understanding the Roles of Oiling-out on Crystallization of β -Alanine: Unusual Behavior in Metastable Zone Width and Surface Nucleation during Growth Stage. <i>Crystal Growth and Design</i> , 2018 , 18, 6885-6890	3.5	10
97	Insight into Solvent-Dependent Conformational Polymorph Selectivity: The Case of Undecanedioic Acid. <i>Crystal Growth and Design</i> , 2018 , 18, 5947-5956	3.5	22

96	Revealing the roles of solvation in D-mannitol's polymorphic nucleation. <i>CrystEngComm</i> , 2018 , 20, 7435-7445	3.4	21
95	Nucleation 2018 , 47-88		2
94	Temperature-dependent solubility of β -Alanine in different binary solvents from 288.15 K to 323.15 K: Measurement and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2017 , 232, 522-531	6	12
93	Thermodynamic study of solubility for pyrazinamide in ten solvents from T = (283.15 to 323.15) K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 112, 204-212	2.9	25
92	Measurement and correlation of solubility of boscalid with thermodynamic analysis in pure and binary solvents from 288.15 K to 313.15 K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 112, 178-187	2.9	21
91	Solid-liquid phase equilibrium and thermodynamic analysis of prothioconazole in mono-solvents and binary solvents from 283.15 K to 313.15 K. <i>Journal of Molecular Liquids</i> , 2017 , 240, 162-171	6	12
90	Organic solvent effects on solid-liquid phase equilibrium of d-mannitol and aqueous binary solvents: An experimental and computational study. <i>Journal of Molecular Liquids</i> , 2017 , 238, 411-422	6	25
89	Phase Transfer Directed Synthesis of Hollow Zeolitic Imidazolate Frameworks-67 Nanocages. <i>Crystal Growth and Design</i> , 2017 , 17, 3-6	3.5	13
88	Temperature and solvent dependent thermodynamic behavior of tetrabromobisphenol A. <i>Journal of Molecular Liquids</i> , 2017 , 241, 150-162	6	15
87	Solution-Mediated Phase Transformation of Argatroban: Ternary Phase Diagram, Rate-Determining Step, and Transformation Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4539-4548	3.9	12
86	Morphological diversity of nitroguanidine crystals with enhanced mechanical performance and thermodynamic stability. <i>Journal of Crystal Growth</i> , 2017 , 480, 132-140	1.6	8
85	Solubility Measurement and Correlation of Fosfomycin Sodium in Six Organic Solvents and Different Binary Solvents at Temperatures between 283.15 and 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3929-3937	2.8	8
84	Polymorphs of daidzein and intermolecular interaction effect on solution crystallization. <i>CrystEngComm</i> , 2017 , 19, 7146-7153	3.3	12
83	Temperature and solvent dependent apparent thermodynamic behavior of 2-Mercaptomethyl Benzimidazole in pure and binary solvents from 283.15 K to 328.15 K. <i>Journal of Molecular Liquids</i> , 2017 , 248, 501-508	6	21
82	Controlled Recrystallization of Tubular Vinpocetine Crystals with Increased Aqueous Dissolution Rate and In Vivo Bioavailability. <i>Crystal Growth and Design</i> , 2017 , 17, 5790-5800	3.5	10
81	Determination and Correlation of Solubility of Quetiapine Fumarate in Nine Pure Solvents and Two Aqueous Binary Solvents. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4144-4153	2.8	22
80	Polymorph Control by Investigating the Effects of Solvent and Supersaturation on Clopidogrel Hydrogen Sulfate in Reactive Crystallization. <i>Crystal Growth and Design</i> , 2017 , 17, 6123-6131	3.5	17
79	Measurement and Correlation of the Solubility of Azoxystrobin in Seven Monosolvents and Two Different Binary Mixed Solvents. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3967-3980	2.8	14

78	Persistent Self-Association of Solute Molecules in Solution. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 10118-10124	3.4	23
77	Thermodynamic and molecular investigation into the solubility, stability and self-assembly of gabapentin anhydrate and hydrate. <i>Journal of Chemical Thermodynamics</i> , 2017 , 113, 132-143	2.9	11
76	Solubility of Benzoin in Six Monosolvents and in Some Binary Solvent Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3071-3083	2.8	24
75	Two novel cocrystals of lamotrigine with isomeric bipyridines and in situ monitoring of the cocrystallization. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 110, 19-25	5.1	17
74	Glycine's pH-Dependent Polymorphism: A Perspective from Self-Association in Solution. <i>Crystal Growth and Design</i> , 2017 , 17, 5028-5033	3.5	20
73	Motion-Based Multiple Object Tracking of Ultrasonic-Induced Nucleation: A Case Study of L-Glutamic Acid. <i>Crystal Growth and Design</i> , 2017 , 17, 5007-5011	3.5	6
72	Amorphous Co(Melm) ₂ framework coating on AuCo for size-selective photocatalysis and interface transfer. <i>Catalysis Science and Technology</i> , 2017 , 7, 5004-5010	5.5	3
71	Higher-Order Self-Assembly of Benzoic Acid in Solution. <i>Crystal Growth and Design</i> , 2017 , 17, 5049-5053	3.5	19
70	Recent Developments in the Crystallization Process: Toward the Pharmaceutical Industry. <i>Engineering</i> , 2017 , 3, 343-353	9.7	100
69	Progress of Pharmaceutical Continuous Crystallization. <i>Engineering</i> , 2017 , 3, 354-364	9.7	100
68	Uncover the effect of solvent and temperature on solid-liquid equilibrium behavior of L-norvaline. <i>Journal of Molecular Liquids</i> , 2017 , 243, 273-284	6	8
67	Solubility of benzoin in three binary solvent mixtures and investigation of intermolecular interactions by molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , 2017 , 243, 472-483	6	26
66	Solubility Correlation and Thermodynamic Analysis of Sorafenib Free Base and Sorafenib Tosylate in Monosolvents and Binary Solvent Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 259-267	2.8	42
65	Determination and correlation of Avermectin B 1a solubility in different binary solvent mixtures at temperatures from (283.15 to 313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 253-266	2.9	16
64	Determination and modelling of troxerutin solubility in eleven mono-solvents and (1,4-dioxane + 2-propanol) binary solvents at temperatures from 288.15 K to 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 104, 138-149	2.9	30
63	Solubility of L-histidine in different aqueous binary solvent mixtures from 283.15 K to 318.15 K with experimental measurement and thermodynamic modelling. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 1-14	2.9	29
62	Effect of Alanine and the solvent composition on the solubility of solvate of calcium d-pantothenate containing four molecules of methanol and one molecule of water (D-PCl ₄ MeOH·H ₂ O). <i>Journal of Chemical Thermodynamics</i> , 2017 , 106, 36-46	2.9	5
61	Correlation and thermodynamic analysis of solubility of diphenhydramine hydrochloride in pure and binary solvents. <i>Journal of Chemical Thermodynamics</i> , 2016 , 93, 132-142	2.9	45

60	Solubility determination and thermodynamic modelling of allisartan isoproxil in different binary solvent mixtures from T= (278.15 to 313.15) K and mixing properties of solutions. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 432-445	2.9	13
59	Measurement of Solubility of Thiamine Hydrochloride Hemihydrate in Three Binary Solvents and Mixing Properties of Solutions. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3665-3678	2.8	15
58	Oiling out and Polymorphism Control of Pyraclostrobin in Cooling Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11631-11637	3.9	20
57	Mechanism and inhibition of trisodium phosphate particle caking: Effect of particle shape and solubility. <i>Particuology</i> , 2016 , 27, 115-121	2.8	8
56	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
55	Measurement and correlation of solubility and solution thermodynamics of 1,3-dimethylurea in different solvents from T = (288.15 to 328.15) K. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 9-16	2.9	19
54	Measurement and Correlation of Solubility of Cefathiamidine in Water + (Acetone, Ethanol, or 2-Propanol) from (278.15 to 308.15) K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 412-419	2.8	8
53	Measurement and Correlation of the Solubility of Maltitol in Different Pure Solvents, Methanol/Water Mixtures, and Ethanol/Water Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1065-1070	2.8	16
52	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
51	Determination and correlation of solubility and thermodynamic properties of l-methionine in binary solvents of water + (methanol, ethanol, acetone). <i>Journal of Chemical Thermodynamics</i> , 2016 , 96, 82-92	2.9	36
50	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
49	Determination and correlation of solubility and solution thermodynamics of oxiracetam in three (alcohol + water) binary solvents. <i>Journal of Chemical Thermodynamics</i> , 2016 , 96, 12-23	2.9	29
48	The liquid-liquid phase separation and crystallization of vanillin in 1-propanol/water solution. <i>Fluid Phase Equilibria</i> , 2016 , 409, 84-91	2.5	21
47	Determination and correlation of pyridoxine hydrochloride solubility in different binary mixtures at temperatures from (278.15 to 313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2016 , 94, 138-151	2.9	54
46	Formation and Transformation Behavior of Sodium Dehydroacetate Hydrates. <i>Molecules</i> , 2016 , 21, 458	4.8	4
45	Determination and correlation of solubility and thermodynamics of mixing of 4-aminobutyric acid in mono-solvents and binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 276-286	2.9	30
44	Industrial Crystallization in China. <i>Chemical Engineering and Technology</i> , 2016 , 39, 807-814	2	10
43	Determination and correlation of solubility and thermodynamic properties of pyraclostrobin in pure and binary solvents. <i>Journal of Chemical Thermodynamics</i> , 2016 , 101, 84-91	2.9	43

42	Measurement and Correlation of Solubility of β -Aminobutyric Acid in Different Binary Solvents. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1210-1220	2.8	16
41	Agglomeration Mechanism of Azithromycin Dihydrate in Acetone/Water Mixtures and Optimization of the Powder Properties. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4905-4910	3.9	9
40	Correlation and thermodynamic analysis of solubility of cefmetazole acid in three (alcohol + water) binary solvents at temperatures from 278.15 K to 303.15 K. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 355-365	2.9	10
39	Determination and correlation of solubility and thermodynamic properties of eszopiclone in pure and mixed solvents. <i>Journal of Molecular Liquids</i> , 2016 , 221, 1035-1044	6	14
38	Solvent penetration mediated phase transformation for the preparation of aggregated particles with well-defined shape. <i>CrystEngComm</i> , 2016 , 18, 9223-9226	3.3	12
37	Nucleation behavior of eszopiclone-butyl acetate solutions from metastable zone widths. <i>Chemical Engineering Science</i> , 2016 , 155, 248-257	4.4	31
36	Solubility and solution thermodynamics of sorbic acid in eight pure organic solvents. <i>Journal of Chemical Thermodynamics</i> , 2015 , 85, 202-209	2.9	58
35	Solubility of tridecanedioic acid in pure solvent systems: An experimental and computational study. <i>Journal of Chemical Thermodynamics</i> , 2015 , 90, 28-38	2.9	33
34	Measurement and correlation of solubility and dissolution properties of flunixin meglumine in pure and binary solvents. <i>Fluid Phase Equilibria</i> , 2015 , 403, 145-152	2.5	31
33	Caking and adhesion free energy of maltitol: Studying of mechanism in adhesion process. <i>Powder Technology</i> , 2015 , 272, 235-240	5.2	12
32	Self-template synthesis of core-shell ZnO@ZIF-8 nanospheres and the photocatalysis under UV irradiation. <i>Materials Letters</i> , 2015 , 156, 50-53	3.3	98
31	Phase Transformation between Anhydrate and Monohydrate of Sodium Dehydroacetate. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3438-3444	3.9	19
30	Spherulitic Crystallization of L-Tryptophan: Characterization, Growth Kinetics, and Mechanism. <i>Crystal Growth and Design</i> , 2015 , 15, 5124-5132	3.5	19
29	Measurement and Correlation of the Solubility of Penicillin V Potassium in Ethanol + Water and 1-Butyl Alcohol + Water Systems. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 112-117	2.8	28
28	Size Control of Atorvastatin Calcium Particles Based on Spherical Agglomeration. <i>Chemical Engineering and Technology</i> , 2015 , 38, 1081-1087	2	13
27	Determination and correlation of solubility of thiamine nitrate in water + ethanol mixtures and aqueous solution with different pH values from 278.15 K to 303.15 K. <i>Fluid Phase Equilibria</i> , 2015 , 400, 53-61	2.5	14
26	Experimental and Modeling Studies on the Solubility of d-Pantolactone in Four Pure Solvents and Ethanol/Water Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 870-875	2.8	19
25	Measurement and Correlation of Solubility of Tetraphenyl Piperazine-1,4-diylidiphosphonate in Mixed Solvents. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 561-567	2.8	5

24	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
23	(Solid+liquid) phase equilibria of tetraphenyl piperazine-1, 4-diyl diphosphonate in pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2014 , 78, 143-151	2.9	9
22	Solubility of Ibuprofen Sodium Dihydrate in Acetone + Water Mixtures: Experimental Measurement and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 3415-3421	2.8	13
21	Effects of Solvent on Polymorph Formation and Nucleation of Prasugrel Hydrochloride. <i>Crystal Growth and Design</i> , 2014 , 14, 4519-4525	3.5	53
20	Measurement and Correlation of Solubility of Azithromycin Monohydrate in Five Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 784-791	2.8	19
19	Experimental Determination and Computational Prediction of Androstenedione Solubility in Alcohol + Water Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 11538-11549	3.9	26
18	Investigation of the Crystallization of Disodium 5'-Inosinate in a Water + Ethanol System: Solubility, Nucleation Mechanism, and Crystal Morphology. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8913-8919	3.9	30
17	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
16	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
15	Solubility of androstenedione in lower alcohols. <i>Fluid Phase Equilibria</i> , 2014 , 363, 86-96	2.5	43
14	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
13	Measurement and correlation of the solubility of 4,4'-oxydianiline in different organic solvents. <i>Fluid Phase Equilibria</i> , 2013 , 356, 38-45	2.5	34
12	Concomitant Polymorphism of Prasugrel Hydrochloride in Reactive Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16182-16189	3.9	19
11	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
10	Correlation of Solubility and Prediction of the Mixing Properties of Ginsenoside Compound K in Various Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8141-8148	3.9	51
9	Polymorphic Crystallization and Transformation of Candesartan Cilexetil. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 12910-12916	3.9	25
8	Experimental determination of the solid-liquid equilibrium, metastable zone, and nucleation parameters of the flunixin meglumine-ethanol system. <i>Journal of Crystal Growth</i> , 2012 , 354, 164-168	1.6	7
7	Correlation of Solubilities of Hydrophilic Pharmaceuticals versus Dielectric Constants of Binary Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6933-6938	3.9	25

6	Solubility of Minoxidil in Methanol, Ethanol, 1-Propanol, 2-Propanol, 1-Butanol, and Water from (278.15 to 333.15) K. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2720-2722	2.8	22
5	Measurement and Correlation of Solubility of Clopidogrel Hydrogen Sulfate (Metastable Form) in Lower Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2553-2556	2.8	61
4	Solubility of 5-Amino-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodobenzene-1,3-dicarboxamide in Ethanol + Water Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2355-2357	2.8	21
3	Investigation on the Spherical Crystallization Process of Cefotaxime Sodium. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 1402-1411	3.9	27
2	Design of the spherical agglomerate size in crystallization by developing a two-step bridging mechanism and the model. <i>AIChE Journal</i> , e17526	3.6	1
1	Intermolecular interactions and solubility behavior of multicomponent crystal forms of 2,4-D: design, structure analysis, and solid-state characterization. <i>CrystEngComm</i> ,	3.3	2