Ying Bao

List of Publications by Year in descending order

74 papers	1,496 citations	331670 21 h-index	361022 35 g-index
74 all docs	74 docs citations	74 times ranked	1107 citing authors

#	Article	IF	Citations
1	Characterization and structure analysis of the heterosolvate of erythromycin thiocyanate. Chinese Journal of Chemical Engineering, 2022, 44, 268-274.	3.5	1
2	Solubility study of m-aminobenzoic acid form III in different mono-solvents by thermodynamic analysis and molecular simulation. Journal of Molecular Liquids, 2022, 354, 118871.	4.9	1
3	Structure analysis and insight into hydrogen bond and van der waals interactions of etoricoxib cocrystals and cocrystal solvate. Journal of Molecular Structure, 2022, 1258, 132665.	3.6	8
4	Mechanical Motion and Modulation of Thermalâ€Actuation Properties in a Robust Organic Molecular Crystal Actuator. Advanced Functional Materials, 2022, 32, .	14.9	16
5	Understanding the Iron-Cobalt Synergies in ZSM-5: Enhanced Peroxymonosulfate Activation and Organic Pollutant Degradation. ACS Omega, 2022, 7, 17811-17821.	3.5	9
6	Spherulitic Growth Strategy for Agitation-Induced Formation of Spherical Amoxicillin Sodium Products. Industrial & Engineering Chemistry Research, 2022, 61, 9821-9832.	3.7	8
7	Growth mechanism of the spherulitic propylthiouracilâ€“kaempferol cocrystal: new perspectives into surface nucleation. CrystEngComm, 2021, 23, 2367-2375.	2.6	9
8	A selective cocrystallization separation method based on non-covalent interactions and its application. CrystEngComm, 2021, 23, 1550-1554.	2.6	4
9	Investigation of Agglomeration in the Presence of Oiling Out in the Antisolvent Crystallization Process. Industrial & Engineering Chemistry Research, 2021, 60, 4110-4119.	3.7	18
10	Comparison Study of KBH₄ Spherical Agglomerates Prepared in Different Antisolvents: Mechanisms and Properties. Industrial & Engineering Chemistry Research, 2021, 60, 5600-5611.	3.7	10
11	Spherical Agglomerates of m-Aminobenzoic Acid: Solvent Selection, Preparation, Mechanism, and Characterization. Industrial & Engineering Chemistry Research, 2021, 60, 8280-8290.	3.7	13
12	Solubility Measurement and Thermodynamic Correlation of m-Aminobenzoic Acid in 12 Pure Solvents from 283.15 to 323.15 K. Journal of Chemical & Engineering Data, 2021, 66, 2865-2873.	1.9	6
13	Uncovering the solid-liquid equilibrium behavior of 6-Chloronicotinic acid in eleven pure solvents by thermodynamic analysis and molecular dynamic simulation. Journal of Molecular Liquids, 2021, 331, 115757.	4.9	13
14	Insights into Intermolecular Interactions of Spironolactone Solvates. Crystal Growth and Design, 2021, 21, 3677-3688.	3.0	14
15	Cocrystals of Propylthiouracil and Nutraceuticals toward Sustained-Release: Design, Structure Analysis, and Solid-State Characterization. Crystal Growth and Design, 2021, 21, 1202-1217.	3.0	40
16	Wet Milling, Seeding, and Ultrasound in the Optimization of the Oiling-Out Crystallization Process. Industrial & Engineering Chemistry Research, 2021, 60, 18452-18463.	3.7	7
17	Understanding the Role of Solvent Polarity in the Molecular Self-Assembly Process of Etoricoxib Solvates. Crystal Growth and Design, 2020, 20, 3650-3662.	3.0	13
18	Amino acid based pharmaceutical cocrystals and hydrate cocrystals of the chlorothiazide: Structural studies and physicochemical properties. Journal of Molecular Structure, 2020, 1217, 128432.	3.6	14

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19	Screening and Manipulation of <scp>l</scp>-Glutamic Acid Polymorphs by Antisolvent Crystallization in an Easy-to-Use Microfluidic Device. Industrial & Engineering Chemistry Research, 2020, 59, 6102-6111.	3.7	5
20	An Investigation into the Morphology Evolution of Ethyl Vanillin with the Presence of a Polymer Additive. Crystal Growth and Design, 2020, 20, 1609-1617.	3.0	19
21	Solid Forms Selection of Spironolactone: Ternary Phase Diagram and Nucleation Process. Industrial & Engineering Chemistry Research, 2020, 59, 1350-1361.	3.7	9
22	Hydrothermal oxidation method to synthesize nitrogen containing carbon dots from compost humic acid as selective Fe(III) sensor. Materials Research Express, 2020, 7, 095008.	1.6	6
23	The mechanism of solvent-mediated desolvation transformation of lenvatinib mesylate from dimethyl sulfoxide solvate to form D. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 343-352.	1.1	11
24	Ternary phase diagrams and solvate transformation thermodynamics of omeprazole sodium in different solvent mixtures. Chinese Journal of Chemical Engineering, 2019, 27, 362-368.	3.5	6
25	Gelation Phenomenon During Crystallization of Cefpiramide Sodium. Transactions of Tianjin University, 2019, 25, 364-370.	6.4	2
26	Crystallization of Lithium Carbonate from Aqueous Solution: New Insights into Crystal Agglomeration. Industrial & Engineering Chemistry Research, 2019, 58, 18448-18455.	3.7	20
27	Reverse Antisolvent Method To Avoid Jelly-like Phase Generation and Preparation of Crystalline Cefquinome. Crystal Growth and Design, 2019, 19, 1559-1566.	3.0	9
28	Theoretical Model and Experimental Investigations on Solution-Mediated Polymorphic Transformation of Theophylline: From Polymorph I to Polymorph II. Crystals, 2019, 9, 260.	2.2	9
29	Experimental and Molecular Simulation Studies of the Attachment Behavior of Photoinitiator XBPO Crystals in Different Solvents. Langmuir, 2019, 35, 9308-9317.	3.5	5
30	Hollow and Solid Spherical Azithromycin Particles Prepared by Different Spherical Crystallization Technologies for Direct Tableting. Processes, 2019, 7, 276.	2.8	13
31	Novel Technology for Separation of Binary Eutectic-Forming Mixture by Cocrystallization into Different Sizes Combined with Particle Size Fraction. Industrial & Engineering Chemistry Research, 2019, 58, 8800-8809.	3.7	6
32	Crystal Structure Characterization, Independent Gradient Model Analysis, and Gasâ€Phaseâ€Mediated Transformation of Nicosulfuron DMF Solvate and Hydrate. Crystal Research and Technology, 2019, 54, 1800244.	1.3	4
33	Investigating the Solvent Effect on Crystal Nucleation of Etoricoxib. Crystal Growth and Design, 2019, 19, 1660-1667.	3.0	25
34	Thermodynamic mechanism of selective cocrystallization explored by MD simulation and phase diagram analysis. AIChE Journal, 2019, 65, e16570.	3.6	33
35	Predicting the crystal habit of photoinitiator XBPO and elucidating the solvent effect on crystal faces. CrystEngComm, 2019, 21, 2422-2430.	2.6	19
36	Thermodynamics and molecular mechanism of the formation of the cocrystals of p-hydroxybenzoic acid and glutaric acid. CrystEngComm, 2019, 21, 6374-6381.	2.6	7

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37	Gelation Mechanism of Erythromycin Ethylsuccinate During Crystallization. Transactions of Tianjin University, 2019, 25, 110-117.	6.4	4
38	Consistency and variability of cocrystals containing positional isomers: the self-assembly evolution mechanism of supramolecular synthons of cresolâ€“piperazine. IUCrJ, 2019, 6, 1064-1073.	2.2	18
39	Confirmation of More Stable Polymorphic Form of Etoricoxib at Room Temperature. Journal of Pharmaceutical Sciences, 2018, 107, 1903-1910.	3.3	6
40	Ultrasonic Irradiation and Seeding To Prevent Metastable Liquidâ€“Liquid Phase Separation and Intensify Crystallization. Crystal Growth and Design, 2018, 18, 2628-2635.	3.0	27
41	Determination Methods for Crystal Nucleation Kinetics in Solutions. Crystal Growth and Design, 2018, 18, 540-551.	3.0	25
42	Self-Induced Nucleation During the Antisolvent Crystallization Process of Candesartan Cilexetil. Crystal Growth and Design, 2018, 18, 7655-7662.	3.0	10
43	Homogeneous and Heterogeneous Nucleation of Potash Alum in Drop-Based Microfluidic Device. Industrial & Engineering Chemistry Research, 2018, 57, 12784-12791.	3.7	6
44	Effects of Hydrogen Bond Acceptor Ability of Solvents on Molecular Self-Assembly of Sulfadiazine Solvates. Journal of Pharmaceutical Sciences, 2018, 107, 2823-2828.	3.3	9
45	Image Analysis for In-line Measurement of Multidimensional Size, Shape, and Polymorphic Transformation of <scp>l</scp>-Glutamic Acid Using Deep Learning-Based Image Segmentation and Classification. Crystal Growth and Design, 2018, 18, 4275-4281.	3.0	59
46	Simultaneous Effects of Multiple Factors on Solution-Mediated Phase Transformation: A Case of Spironolactone Forms. Organic Process Research and Development, 2018, 22, 836-845.	2.7	8
47	Crystallization techniques in wastewater treatment: An overview of applications. Chemosphere, 2017, 173, 474-484.	8.2	128
48	Measurement and Correlation of the Solubility of 2,6-Dihydroxybenzoic Acid in Alcohols and Binary Solvents. Journal of Chemical & Engineering Data, 2017, 62, 3009-3014.	1.9	5
49	Influence of Solution Composition and Temperature on the Crystal Form of Sodium Dehydroacetate. Chemical Engineering and Technology, 2017, 40, 1235-1241.	1.5	1
50	Solidâ€“liquid phase equilibrium and dissolution properties of ethyl vanillin in pure solvents. Journal of Chemical Thermodynamics, 2017, 105, 345-351.	2.0	34
51	Recent Progress on Nanostructures for Drug Delivery Applications. Journal of Nanomaterials, 2016, 2016, 1-12.	2.7	84
52	Formation and Transformation Behavior of Sodium Dehydroacetate Hydrates. Molecules, 2016, 21, 458.	3.8	4
53	From Jellylike Phase to Crystal: Effects of Solvent on Self-Assembly of Cefotaxime Sodium. Industrial & Engineering Chemistry Research, 2016, 55, 3075-3083.	3.7	18
54	The solubility of cefquinome sulfate in pure and mixed solvents. Frontiers of Chemical Science and Engineering, 2016, 10, 245-254.	4.4	19

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55	Process Design for Antisolvent Crystallization of Erythromycin Ethylsuccinate in Oiling-out System. Industrial & Engineering Chemistry Research, 2016, 55, 7484-7492.	3.7	27
56	Antisolvent Crystallization of Erythromycin Ethylsuccinate in the Presence of Liquidâ€“Liquid Phase Separation. Industrial & Engineering Chemistry Research, 2016, 55, 766-776.	3.7	21
57	Correlation between Thermal Properties and Chemical Composition of Palm Oil Top Olein Fractions. Chemical Engineering and Technology, 2015, 38, 1035-1041.	1.5	4
58	Solubility of tridecanedioic acid in pure solvent systems: An experimental and computational study. Journal of Chemical Thermodynamics, 2015, 90, 28-38.	2.0	39
59	Solidâ€“Liquid Phase Equilibrium and Ternary Phase Diagrams of Ibuprofenâ€“Nicotinamide Cocrystals in Ethanol and Ethanol/Water Mixtures at (298.15 and 313.15) K. Journal of Chemical & Engineering Data, 2015, 60, 1166-1172.	1.9	20
60	Phase Transformation between Anhydrate and Monohydrate of Sodium Dehydroacetate. Industrial & Engineering Chemistry Research, 2015, 54, 3438-3444.	3.7	22
61	Spherulitic Crystallization of <scp>L</scp>-Tryptophan: Characterization, Growth Kinetics, and Mechanism. Crystal Growth and Design, 2015, 15, 5124-5132.	3.0	34
62	Solubilities of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Different Pure Solvents. Journal of Chemical & Engineering Data, 2015, 60, 3053-3061.	1.9	26
63	Investigation on Main Reaction and Side Reaction Mechanism in the Synthetic Process of 1-(5-Bromothiophen-2-yl)-3-(4-nitrophenyl)prop-2-en-1-one Using Raman Spectroscopy. Organic Process Research and Development, 2014, 18, 1686-1695.	2.7	1
64	Gel Formation and Phase Transformation during the Crystallization of Valnemulin Hydrogen Tartrate. Industrial & Engineering Chemistry Research, 2014, 53, 16859-16863.	3.7	22
65	Thermodynamic Properties of Form A and Form B of Florfenicol. Industrial & Engineering Chemistry Research, 2014, 53, 13506-13512.	3.7	33
66	Effects of Solvent on Polymorph Formation and Nucleation of Prasugrel Hydrochloride. Crystal Growth and Design, 2014, 14, 4519-4525.	3.0	68
67	Gelation Phenomenon during Antisolvent Crystallization of Cefotaxime Sodium. Industrial & Engineering Chemistry Research, 2014, 53, 1286-1292.	3.7	25
68	Solution-Mediated Polymorphic Transformation of Prasugrel Hydrochloride from Form II to Form I. Industrial & Engineering Chemistry Research, 2014, 53, 5652-5659.	3.7	49
69	Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. Fluid Phase Equilibria, 2013, 337, 354-362.	2.5	43
70	Solubility Measurements and Prediction of Coenzyme Q10 Solubility in Different Solvent Systems. Journal of Solution Chemistry, 2013, 42, 764-771.	1.2	6
71	Solubility and Thermodynamic Stability of the Enantiotropic Polymorphs of 2,3,5-Trimethyl-1,4-diacetoxybenzene. Industrial & Engineering Chemistry Research, 2013, 52, 2477-2485.	3.7	54
72	Solidâ€“Liquid Phase Equilibrium and Mixing Properties of Cloxacillin Benzathine in Pure and Mixed Solvents. Industrial & Engineering Chemistry Research, 2013, 52, 3019-3026.	3.7	107

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73	Determination of the crystallization thermodynamics and kinetics of l-tryptophan in alcoholsâ€“water system. Fluid Phase Equilibria, 2012, 313, 182-189.	2.5	18
74	Green process to recover magnesium chloride from residue solution of potassium chloride production plant. Frontiers of Chemical Engineering in China, 2008, 2, 385-389.	0.6	0