

Ying Bao

List of Publications by Year in descending order

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74
papers

1,496
citations

331670

21
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361022

35
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74
all docs

74
docs citations

74
times ranked

1107
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Crystallization techniques in wastewater treatment: An overview of applications. <i>Chemosphere</i> , 2017, 173, 474-484. | 8.2 | 128 |
| 2 | Solidâ€“Liquid Phase Equilibrium and Mixing Properties of Cloxacillin Benzathine in Pure and Mixed Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3019-3026. | 3.7 | 107 |
| 3 | Recent Progress on Nanostructures for Drug Delivery Applications. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-12. | 2.7 | 84 |
| 4 | Effects of Solvent on Polymorph Formation and Nucleation of Prasugrel Hydrochloride. <i>Crystal Growth and Design</i> , 2014, 14, 4519-4525. | 3.0 | 68 |
| 5 | Image Analysis for In-line Measurement of Multidimensional Size, Shape, and Polymorphic Transformation of α -Glutamic Acid Using Deep Learning-Based Image Segmentation and Classification. <i>Crystal Growth and Design</i> , 2018, 18, 4275-4281. | 3.0 | 59 |
| 6 | 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. | 3.7 | 54 |
| 7 | Solution-Mediated Polymorphic Transformation of Prasugrel Hydrochloride from Form II to Form I. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5652-5659. | 3.7 | 49 |
| 8 | Thermodynamic analysis and correlation of solubility of candesartan cilexetil in aqueous solvent mixtures. <i>Fluid Phase Equilibria</i> , 2013, 337, 354-362. | 2.5 | 43 |
| 9 | 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. | 3.0 | 40 |
| 10 | Solubility of tridecanedioic acid in pure solvent systems: An experimental and computational study. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 28-38. | 2.0 | 39 |
| 11 | Spherulitic Crystallization of α -Tryptophan: Characterization, Growth Kinetics, and Mechanism. <i>Crystal Growth and Design</i> , 2015, 15, 5124-5132. | 3.0 | 34 |
| 12 | Solidâ€“liquid phase equilibrium and dissolution properties of ethyl vanillin in pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 345-351. | 2.0 | 34 |
| 13 | Thermodynamic Properties of Form A and Form B of Florfenicol. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13506-13512. | 3.7 | 33 |
| 14 | Thermodynamic mechanism of selective cocrystallization explored by MD simulation and phase diagram analysis. <i>AIChE Journal</i> , 2019, 65, e16570. | 3.6 | 33 |
| 15 | Process Design for Antisolvent Crystallization of Erythromycin Ethylsuccinate in Oiling-out System. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7484-7492. | 3.7 | 27 |
| 16 | Ultrasonic Irradiation and Seeding To Prevent Metastable Liquidâ€“Liquid Phase Separation and Intensify Crystallization. <i>Crystal Growth and Design</i> , 2018, 18, 2628-2635. | 3.0 | 27 |
| 17 | Solubilities of 3-Chlorophthalic Anhydride and 4-Chlorophthalic Anhydride in Different Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 3053-3061. | 1.9 | 26 |
| 18 | Gelation Phenomenon during Antisolvent Crystallization of Cefotaxime Sodium. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 1286-1292. | 3.7 | 25 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Determination Methods for Crystal Nucleation Kinetics in Solutions. <i>Crystal Growth and Design</i> , 2018, 18, 540-551. | 3.0 | 25 |
| 20 | Investigating the Solvent Effect on Crystal Nucleation of Etoricoxib. <i>Crystal Growth and Design</i> , 2019, 19, 1660-1667. | 3.0 | 25 |
| 21 | Gel Formation and Phase Transformation during the Crystallization of Valnemulin Hydrogen Tartrate. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16859-16863. | 3.7 | 22 |
| 22 | Phase Transformation between Anhydrate and Monohydrate of Sodium Dehydroacetate. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3438-3444. | 3.7 | 22 |
| 23 | Antisolvent Crystallization of Erythromycin Ethylsuccinate in the Presence of Liquid-Liquid Phase Separation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 766-776. | 3.7 | 21 |
| 24 | 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. | 1.9 | 20 |
| 25 | Crystallization of Lithium Carbonate from Aqueous Solution: New Insights into Crystal Agglomeration. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18448-18455. | 3.7 | 20 |
| 26 | The solubility of cefquinome sulfate in pure and mixed solvents. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 245-254. | 4.4 | 19 |
| 27 | Predicting the crystal habit of photoinitiator XBPO and elucidating the solvent effect on crystal faces. <i>CrystEngComm</i> , 2019, 21, 2422-2430. | 2.6 | 19 |
| 28 | An Investigation into the Morphology Evolution of Ethyl Vanillin with the Presence of a Polymer Additive. <i>Crystal Growth and Design</i> , 2020, 20, 1609-1617. | 3.0 | 19 |
| 29 | Determination of the crystallization thermodynamics and kinetics of L-tryptophan in alcohol-water system. <i>Fluid Phase Equilibria</i> , 2012, 313, 182-189. | 2.5 | 18 |
| 30 | From Jellylike Phase to Crystal: Effects of Solvent on Self-Assembly of Cefotaxime Sodium. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3075-3083. | 3.7 | 18 |
| 31 | Investigation of Agglomeration in the Presence of Oiling Out in the Antisolvent Crystallization Process. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 4110-4119. | 3.7 | 18 |
| 32 | Consistency and variability of cocrystals containing positional isomers: the self-assembly evolution mechanism of supramolecular synthons of cresol-piperazine. <i>IUCr</i> , 2019, 6, 1064-1073. | 2.2 | 18 |
| 33 | Mechanical Motion and Modulation of Thermal Actuation Properties in a Robust Organic Molecular Crystal Actuator. <i>Advanced Functional Materials</i> , 2022, 32, . | 14.9 | 16 |
| 34 | Amino acid based pharmaceutical cocrystals and hydrate cocrystals of the chlorothiazide: Structural studies and physicochemical properties. <i>Journal of Molecular Structure</i> , 2020, 1217, 128432. | 3.6 | 14 |
| 35 | Insights into Intermolecular Interactions of Spironolactone Solvates. <i>Crystal Growth and Design</i> , 2021, 21, 3677-3688. | 3.0 | 14 |
| 36 | Hollow and Solid Spherical Azithromycin Particles Prepared by Different Spherical Crystallization Technologies for Direct Tableting. <i>Processes</i> , 2019, 7, 276. | 2.8 | 13 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Understanding the Role of Solvent Polarity in the Molecular Self-Assembly Process of Etoricoxib Solvates. <i>Crystal Growth and Design</i> , 2020, 20, 3650-3662. | 3.0 | 13 |
| 38 | Spherical Agglomerates of <i>m</i> -Aminobenzoic Acid: Solvent Selection, Preparation, Mechanism, and Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8280-8290. | 3.7 | 13 |
| 39 | Uncovering the solid-liquid equilibrium behavior of 6-Chloronicotinic acid in eleven pure solvents by thermodynamic analysis and molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , 2021, 331, 115757. | 4.9 | 13 |
| 40 | 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> , 2020, 76, 343-352. | 1.1 | 11 |
| 41 | Self-Induced Nucleation During the Antisolvent Crystallization Process of Candesartan Cilexetil. <i>Crystal Growth and Design</i> , 2018, 18, 7655-7662. | 3.0 | 10 |
| 42 | Comparison Study of KBH ₄ Spherical Agglomerates Prepared in Different Antisolvents: Mechanisms and Properties. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5600-5611. | 3.7 | 10 |
| 43 | Effects of Hydrogen Bond Acceptor Ability of Solvents on Molecular Self-Assembly of Sulfadiazine Solvates. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2823-2828. | 3.3 | 9 |
| 44 | Reverse Antisolvent Method To Avoid Jelly-like Phase Generation and Preparation of Crystalline Cefquinome. <i>Crystal Growth and Design</i> , 2019, 19, 1559-1566. | 3.0 | 9 |
| 45 | Theoretical Model and Experimental Investigations on Solution-Mediated Polymorphic Transformation of Theophylline: From Polymorph I to Polymorph II. <i>Crystals</i> , 2019, 9, 260. | 2.2 | 9 |
| 46 | Solid Forms Selection of Spironolactone: Ternary Phase Diagram and Nucleation Process. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1350-1361. | 3.7 | 9 |
| 47 | Growth mechanism of the spherulitic propylthiouracil-kaempferol cocrystal: new perspectives into surface nucleation. <i>CrystEngComm</i> , 2021, 23, 2367-2375. | 2.6 | 9 |
| 48 | Understanding the Iron-Cobalt Synergies in ZSM-5: Enhanced Peroxymonosulfate Activation and Organic Pollutant Degradation. <i>ACS Omega</i> , 2022, 7, 17811-17821. | 3.5 | 9 |
| 49 | Simultaneous Effects of Multiple Factors on Solution-Mediated Phase Transformation: A Case of Spironolactone Forms. <i>Organic Process Research and Development</i> , 2018, 22, 836-845. | 2.7 | 8 |
| 50 | Structure analysis and insight into hydrogen bond and van der waals interactions of etoricoxib cocrystals and cocrystal solvate. <i>Journal of Molecular Structure</i> , 2022, 1258, 132665. | 3.6 | 8 |
| 51 | Spherulitic Growth Strategy for Agitation-Induced Formation of Spherical Amoxicillin Sodium Products. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9821-9832. | 3.7 | 8 |
| 52 | Thermodynamics and molecular mechanism of the formation of the cocrystals of <i>p</i> -hydroxybenzoic acid and glutaric acid. <i>CrystEngComm</i> , 2019, 21, 6374-6381. | 2.6 | 7 |
| 53 | Wet Milling, Seeding, and Ultrasound in the Optimization of the Oiling-Out Crystallization Process. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18452-18463. | 3.7 | 7 |
| 54 | Solubility Measurements and Prediction of Coenzyme Q10 Solubility in Different Solvent Systems. <i>Journal of Solution Chemistry</i> , 2013, 42, 764-771. | 1.2 | 6 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Confirmation of More Stable Polymorphic Form of Etoricoxib at Room Temperature. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1903-1910. | 3.3 | 6 |
| 56 | Homogeneous and Heterogeneous Nucleation of Potash Alum in Drop-Based Microfluidic Device. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12784-12791. | 3.7 | 6 |
| 57 | Ternary phase diagrams and solvate transformation thermodynamics of omeprazole sodium in different solvent mixtures. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 362-368. | 3.5 | 6 |
| 58 | Novel Technology for Separation of Binary Eutectic-Forming Mixture by Cocrystallization into Different Sizes Combined with Particle Size Fraction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8800-8809. | 3.7 | 6 |
| 59 | Solubility Measurement and Thermodynamic Correlation of m-Aminobenzoic Acid in 12 Pure Solvents from 283.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 2865-2873. | 1.9 | 6 |
| 60 | Hydrothermal oxidation method to synthesize nitrogen containing carbon dots from compost humic acid as selective Fe(III) sensor. <i>Materials Research Express</i> , 2020, 7, 095008. | 1.6 | 6 |
| 61 | Measurement and Correlation of the Solubility of 2,6-Dihydroxybenzoic Acid in Alcohols and Binary Solvents. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3009-3014. | 1.9 | 5 |
| 62 | Experimental and Molecular Simulation Studies of the Attachment Behavior of Photoinitiator XBPO Crystals in Different Solvents. <i>Langmuir</i> , 2019, 35, 9308-9317. | 3.5 | 5 |
| 63 | Screening and Manipulation of α -Glutamic Acid Polymorphs by Antisolvent Crystallization in an Easy-to-Use Microfluidic Device. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6102-6111. | 3.7 | 5 |
| 64 | Correlation between Thermal Properties and Chemical Composition of Palm Oil Top Olein Fractions. <i>Chemical Engineering and Technology</i> , 2015, 38, 1035-1041. | 1.5 | 4 |
| 65 | Formation and Transformation Behavior of Sodium Dehydroacetate Hydrates. <i>Molecules</i> , 2016, 21, 458. | 3.8 | 4 |
| 66 | Crystal Structure Characterization, Independent Gradient Model Analysis, and Gas-Phase-Mediated Transformation of Nicosulfuron DMF Solvate and Hydrate. <i>Crystal Research and Technology</i> , 2019, 54, 1800244. | 1.3 | 4 |
| 67 | Gelation Mechanism of Erythromycin Ethylsuccinate During Crystallization. <i>Transactions of Tianjin University</i> , 2019, 25, 110-117. | 6.4 | 4 |
| 68 | A selective cocrystallization separation method based on non-covalent interactions and its application. <i>CrystEngComm</i> , 2021, 23, 1550-1554. | 2.6 | 4 |
| 69 | Gelation Phenomenon During Crystallization of Cefpiramide Sodium. <i>Transactions of Tianjin University</i> , 2019, 25, 364-370. | 6.4 | 2 |
| 70 | 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. <i>Organic Process Research and Development</i> , 2014, 18, 1686-1695. | 2.7 | 1 |
| 71 | Influence of Solution Composition and Temperature on the Crystal Form of Sodium Dehydroacetate. <i>Chemical Engineering and Technology</i> , 2017, 40, 1235-1241. | 1.5 | 1 |
| 72 | Characterization and structure analysis of the heterosolvate of erythromycin thiocyanate. <i>Chinese Journal of Chemical Engineering</i> , 2022, 44, 268-274. | 3.5 | 1 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Solubility study of m-aminobenzoic acid form III in different mono-solvents by thermodynamic analysis and molecular simulation. <i>Journal of Molecular Liquids</i> , 2022, 354, 118871. | 4.9 | 1 |
| 74 | Green process to recover magnesium chloride from residue solution of potassium chloride production plant. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 385-389. | 0.6 | 0 |