

Songgu Wu

List of Publications by Year in descending order

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97
papers

1,534
citations

361296

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434063

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98
all docs

98
docs citations

98
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution behavior, thermodynamic and kinetic analysis of malonamide by experimental measurement and molecular simulation. Chinese Journal of Chemical Engineering, 2023, 53, 260-269.	1.7	2
2	A new strategy to design isostructural salts: The case of the antitumor drug dimethylaminomicheliolide. Chinese Chemical Letters, 2023, 34, 107504.	4.8	0
3	Ultrasound assisted crystallization of cephalexin monohydrate: Nucleation mechanism and crystal habit control. Chinese Journal of Chemical Engineering, 2022, 41, 430-440.	1.7	3
4	Machine learning-based solubility prediction and methodology evaluation of active pharmaceutical ingredients in industrial crystallization. Frontiers of Chemical Science and Engineering, 2022, 16, 523-535.	2.3	10
5	Revealing the dissolution behavior of trans-p-methoxycinnamic acid in 12 organic solvents by parametric model and molecular simulation. Journal of Chemical Thermodynamics, 2022, 166, 106683.	1.0	5
6	Structural Insights into the Highly Solvating System of Axitinib via Binary and Ternary Solvates. Crystal Growth and Design, 2022, 22, 1083-1093.	1.4	5
7	Asparagine endopeptidase-targeted Ultrasound-responsive Nanobubbles Alleviate Tau Cleavage and Amyloid- β Deposition in an Alzheimer's Disease Model. Acta Biomaterialia, 2022, 141, 388-397.	4.1	15
8	Theoretical and Structural Understanding of the Different Factors Influencing the Formation of Multicomponent Crystals of 2,4-Dichlorophenoxyacetic Acid with N-heterocyclic Compounds. Crystal Growth and Design, 2022, 22, 1707-1719.	1.4	5
9	Bendable and Twistable Crystals of Flufenamic Acid Form III with Bending Mechanofluorochromism Behavior. Crystal Growth and Design, 2022, 22, 1312-1318.	1.4	17
10	Insoluble Salt of Memantine with a Unique Fluorescence Phenomenon. Molecular Pharmaceutics, 2022, , .	2.3	2
11	The heterogeneous nucleation of pimelic acid under the effect of a template: experimental research and molecular simulation. CrystEngComm, 2022, 24, 2825-2835.	1.3	0
12	Mechanical Motion and Modulation of Thermal-Actuation Properties in a Robust Organic Molecular Crystal Actuator. Advanced Functional Materials, 2022, 32, .	7.8	16
13	Multiple Mechanical Behaviors in One Crystal of 2,4-Dichlorophenoxyacetic Acid Form II: Thermomechanical Effect and Elastic Deformation. Crystal Growth and Design, 2022, 22, 3680-3687.	1.4	4
14	Insight into the Nucleation Mechanism of p-Methoxybenzoic Acid in Ethanol-Water System from Metastable Zone Width. Molecules, 2022, 27, 4085.	1.7	3
15	Nucleation behavior of isosorbide 5-mononitrate revealed from metastable zone widths by combining nucleation theory model and molecular simulation. Journal of Molecular Liquids, 2022, 363, 119846.	2.3	8
16	Similar but Not the Same: Difference in the Ability to Form Cocrystals between Nimesulide and the Pyridine Analogues. Crystal Growth and Design, 2021, 21, 287-296.	1.4	8
17	Optimizing the morphology of calcium <sc>d</sc>-pantothenate by controlling phase transformation processes. CrystEngComm, 2021, 23, 2162-2173.	1.3	2
18	Unraveling the Molecular Mechanisms That Influence the Color and Stability of Four Lutein Crystal Forms. Crystal Growth and Design, 2021, 21, 1762-1777.	1.4	2

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19	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.	3.2	50
20	Use of additives to regulate solute aggregation and direct conformational polymorph nucleation of pimelic acid. <i>IUCr</i> , 2021, 8, 161-167.	1.0	10
21	Intermolecular Interactions and Solubility Behavior of Multicomponent Crystal Forms of Orotic Acid: Prediction and Experiments. <i>Crystal Growth and Design</i> , 2021, 21, 1473-1481.	1.4	19
22	Exploring Solid Form Landscape of Anticancer Drug Dimethylaminomichelolide Fumarate: Crystal Structures Analysis, Phase Transformation Behavior, and Physicochemical Properties Characterization. <i>Crystal Growth and Design</i> , 2021, 21, 2643-2652.	1.4	6
23	Preparation and Formation Mechanism of α -Valine Spherulites via Evaporation Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6048-6058.	1.8	12
24	Tuning morphology of sulfadiazine through phase transformation of two novel solvates. <i>Journal of Crystal Growth</i> , 2021, 562, 126087.	0.7	3
25	Thermodynamic analysis and molecular dynamic simulation of solid-liquid phase equilibrium of imazapyr in twelve pure organic solvents. <i>Journal of Molecular Liquids</i> , 2021, 330, 115631.	2.3	33
26	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.	3.2	21
27	Development and Structure Analysis of Crystal Forms of Apabetalone: Solvates and Polymorphs. <i>Crystal Growth and Design</i> , 2021, 21, 3864-3873.	1.4	13
28	Rationalizing the Formation of Belinostat Solvates with Experimental Screening and Computational Predictions. <i>Crystal Growth and Design</i> , 2021, 21, 4986-4996.	1.4	7
29	Template design based on molecular and crystal structure similarity to regulate conformational polymorphism nucleation: the case of α -alkanedicarboxylic acids. <i>IUCr</i> , 2021, 8, 814-822.	1.0	6
30	Solubility measurement, correlation and computational analysis of p-Acetamidobenzoic acid in 12 pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2021, 159, 106478.	1.0	4
31	Ultrasound-assisted solution crystallization of fotalglipin benzoate: Process intensification and crystal product optimization. <i>Ultrasonics Sonochemistry</i> , 2021, 76, 105634.	3.8	14
32	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.	3.8	2
33	Insight into the Influential Mechanism of Polymorphic Parent Molecule with High ΔG^{\ddagger} on the Cocrystal Formation. <i>Crystal Growth and Design</i> , 2021, 21, 6385-6392.	1.4	5
34	Preparation and solid-state characterization of dapsonc pharmaceutical cocrystals through the supramolecular synthon strategy. <i>CrystEngComm</i> , 2021, 23, 6690-6702.	1.3	4
35	Determining the solubility and understanding the solid-liquid equilibrium behavior of cyhalothric acid in eleven pure solvents. <i>Journal of Molecular Liquids</i> , 2020, 300, 112365.	2.3	25
36	Solubility Measurement and Data Correlation of 5,5-Dimethylhydantoin in 12 Pure Solvents at Temperatures from 283.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 814-820.	1.0	32

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37	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.	1.4	14
38	The formation mechanism of hollow spherulites and molecular conformation of curcumin and solvate. <i>CrystEngComm</i> , 2020, 22, 8405-8411.	1.3	4
39	The effect of solvents on solid-liquid phase equilibrium of 1,3-Di-o-tolylguanidine. <i>Journal of Molecular Liquids</i> , 2020, 309, 113147.	2.3	14
40	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.	1.8	16
41	Green Mechanochemical Strategy for the Discovery and Selective Preparation of Polymorphs of Active Pharmaceutical Ingredient \hat{I}^3 -Aminobutyric Acid (GABA). <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16781-16790.	3.2	14
42	Ultrasound-assisted intensified crystallization of L-glutamic acid: Crystal nucleation and polymorph transformation. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105227.	3.8	34
43	Additive-Induced Selective Crystallization of the Elusive Form of \hat{I}^3 -Aminobutyric Acid. <i>Chemical Engineering and Technology</i> , 2020, 43, 1137-1143.	0.9	2
44	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.	1.3	1
45	Solubility Measurement and Correlation of Ceftiofur Sodium Trihydrate in Four Binary Solvent Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 916-922.	1.0	3
46	Correlation and Thermodynamic Analysis of Solubility of Mesotrione in Pure Solvents. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 877-884.	1.0	15
47	Recent Progress in Continuous Crystallization of Pharmaceutical Products: Precise Preparation and Control. <i>Organic Process Research and Development</i> , 2020, 24, 1785-1801.	1.3	57
48	Solubility Determination and Thermodynamic Correlation of 2-Benzimidazolone in Twelve Pure Solvents from 283.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2838-2845.	1.0	12
49	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.	0.2	12
50	Drug drug salts of mefenamic acid/ufenamic acid and piperazine to improve physicochemical properties for potential veterinary use. <i>CrystEngComm</i> , 2019, 21, 5284-5291.	1.3	10
51	Crystal Structure, Stability and Desolvation of the Solvates of Sorafenib Tosylate. <i>Crystals</i> , 2019, 9, 367.	1.0	20
52	Role of solvent properties and composition on the solid-liquid equilibrium of trifloxystrobin and thermodynamic analysis. <i>Journal of Molecular Liquids</i> , 2019, 294, 111566.	2.3	6
53	Measurement and Correlation of the Solubility of Aminocaproic Acid in Some Pure and Binary Solvents. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5312-5323.	1.0	7
54	Solubility and Data Correlation of \hat{I}^2 -Arbutin in Different Monosolvents from 283.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5688-5697.	1.0	13

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55	Polymorphism of levofloxacin: structure, properties and phase transformation. CrystEngComm, 2019, 21, 6196-6207.	1.3	20
56	Versatile solid forms of boscalid: insight into the crystal structures and phase transformations. CrystEngComm, 2019, 21, 6838-6849.	1.3	8
57	Uncover the effect of solvent on dissolution behavior of dimethylaminomichelolide fumarate salt. Journal of Molecular Liquids, 2019, 293, 111448.	2.3	6
58	Solubility Measurement and Correlation of Probenecid in 12 Pure Organic Solvents and Thermodynamic Properties of Mixing of Solutions. Journal of Chemical & Engineering Data, 2019, 64, 624-631.	1.0	28
59	Surprising Effect of Carbon Chain Length on Inducing Ability of Additives: Elusive Form-II of γ -Aminobutyric Acid (GABA) Induced by Sodium Carboxylate Additives. Crystal Growth and Design, 2019, 19, 3825-3833.	1.4	13
60	Influence of the Solvent Content on the Phase Transformation of Sulfadiazine N-Methyl Pyrrolidone Solvate. Chemical Engineering and Technology, 2019, 42, 1435-1445.	0.9	4
61	Polymorphism and molecular conformations of nicosulfuron: structure, properties and desolvation process. CrystEngComm, 2019, 21, 2790-2798.	1.3	15
62	Solubility measurement, correlation and mixing thermodynamics properties of dapsone in twelve mono solvents. Journal of Molecular Liquids, 2019, 280, 175-181.	2.3	36
63	Solubility Determination and Correlation of Glibenclamide in 11 Monosolvents and (Acetone + Tj ETQq1 1 0.784314 rgBT /Overlock 2019, 64, 189-201.	1.0	23
64	Solid-liquid equilibrium behavior and thermodynamic analysis of dipyridamole in pure and binary solvents from 293.15 K to 328.15 K. Journal of Molecular Liquids, 2019, 275, 8-17.	2.3	47
65	Spherical Crystallization and the Mechanism of Clopidogrel Hydrogen Sulfate. Chemical Engineering and Technology, 2018, 41, 1259-1265.	0.9	15
66	Design and mechanism of the formation of spherical KCl particles using cooling crystallization without additives. Powder Technology, 2018, 329, 455-462.	2.1	32
67	Caking of crystals: Characterization, mechanisms and prevention. Powder Technology, 2018, 337, 51-67.	2.1	49
68	Crystal Structures and Phase Behavior of Sulfadiazine and a Method for the Preparation of Aggregates with Good Performance. Chemical Engineering and Technology, 2018, 41, 532-540.	0.9	8
69	Crystal morphology optimization of thiamine hydrochloride in solvent system: Experimental and molecular dynamics simulation studies. Journal of Crystal Growth, 2018, 481, 48-55.	0.7	17
70	Thermodynamic Study of Solubility for Imatinib Mesylate in Nine Monosolvents and Two Binary Solvent Mixtures from 278.15 to 318.15 K. Journal of Chemical & Engineering Data, 2018, 63, 4114-4127.	1.0	13
71	Measurement and Correlation of the Solubility of Pyrimethanil in Seven Monosolvents and Two Different Binary Mixed Solvents. Journal of Chemical & Engineering Data, 2018, 63, 2804-2812.	1.0	5
72	Temperature and solvent dependent thermodynamic behavior of tetrabromobisphenol A. Journal of Molecular Liquids, 2017, 241, 150-162.	2.3	17

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73	Polymorphs of daidzein and intermolecular interaction effect on solution crystallization. <i>CrystEngComm</i> , 2017, 19, 7146-7153.	1.3	15
74	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.	1.4	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.	1.9	20
76	Solvent-Mediated Nonoriented Self-Aggregation Transformation: A Case Study of Gabapentin. <i>Crystal Growth and Design</i> , 2017, 17, 4207-4216.	1.4	13
77	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.	1.0	67
78	Industrial Crystallization in China. <i>Chemical Engineering and Technology</i> , 2016, 39, 807-814.	0.9	12
79	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.	1.8	14
80	Solvent penetration mediated phase transformation for the preparation of aggregated particles with well-defined shape. <i>CrystEngComm</i> , 2016, 18, 9223-9226.	1.3	13
81	Nucleation behavior of eszopiclone-butyl acetate solutions from metastable zone widths. <i>Chemical Engineering Science</i> , 2016, 155, 248-257.	1.9	53
82	Oiling out and Polymorphism Control of Pyraclostrobin in Cooling Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11631-11637.	1.8	27
83	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.	1.0	31
84	Correlation and thermodynamic analysis of solubility of diphenhydramine hydrochloride in pure and binary solvents. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 132-142.	1.0	58
85	Size Control of Atorvastatin Calcium Particles Based on Spherical Agglomeration. <i>Chemical Engineering and Technology</i> , 2015, 38, 1081-1087.	0.9	19
86	Caking and adhesion free energy of maltitol: Studying of mechanism in adhesion process. <i>Powder Technology</i> , 2015, 272, 235-240.	2.1	17
87	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.	1.0	33
88	Solubility of androstenedione in lower alcohols. <i>Fluid Phase Equilibria</i> , 2014, 363, 86-96.	1.4	45
89	The dehydration behavior and non-isothermal dehydration kinetics of donepezil hydrochloride monohydrate (Form I). <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 55-63.	2.3	9
90	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.	1.0	14

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91	Determination of the Solubility, Dissolution Enthalpy and Entropy of Donepezil Hydrochloride Polymorphic Form III in Different Solvents. <i>Journal of Solution Chemistry</i> , 2013, 42, 841-848.	0.6	7
92	Transformations among the New Solid-State Forms of Clindamycin Phosphate. <i>Organic Process Research and Development</i> , 2013, 17, 1445-1450.	1.3	8
93	In Situ Monitoring of the Solvent-Mediated Transformation of Cefadroxil DMF Solvate into Monohydrate. <i>Organic Process Research and Development</i> , 2013, 17, 1110-1116.	1.3	14
94	Determination of Solubility and Induction Time of Ceftazidime. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 176-182.	1.0	21
95	Solution Thermodynamic Analysis of <i>p</i> -(Aminomethyl)benzoic Acid in Four Binary Solvents from 288.15 to 328.15 K. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	0
96	Intermolecular Interactions and Solubility Behavior of Multicomponent Crystal Forms of 2,4-dichlorophenoxyacetic acid: Design, Structure Analysis, and Solid-State Characterization. <i>CrystEngComm</i> , 0, , .	1.3	12
97	Insights into the Role of Dipentaerythritol in the Thermodynamics and Nucleation Behavior of a Pentaerythritol-Water System. <i>Crystal Growth and Design</i> , 0, , .	1.4	5