

Lina Zhou

List of Publications by Year in descending order

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43
papers

570
citations

623574

14
h-index

713332

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all docs

43
docs citations

43
times ranked

398
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced multi-directional deformation of azobenzene molecular crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 503-508.	2.7	48
2	Measurement and correlation of solubility of ciclesonide in seven pure organic solvents. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 133-141.	1.0	43
3	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.	1.4	33
4	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.	1.4	31
5	Evaluation on Cocrystal Screening Methods and Synthesis of Multicomponent Crystals: A Case Study. <i>Crystal Growth and Design</i> , 2021, 21, 4531-4546.	1.4	29
6	Measurement and Correlation of Solubility and Thermodynamic Properties of Vinpocetine in Nine Pure Solvents and (Ethanol + Water) Binary Solvent. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 150-160.	1.0	26
7	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.	2.3	24
8	Enhanced Solubility, Dissolution, and Permeability of Abacavir by Salt and Cocrystal Formation. <i>Crystal Growth and Design</i> , 2022, 22, 428-440.	1.4	21
9	Crystallization of Lithium Carbonate from Aqueous Solution: New Insights into Crystal Agglomeration. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18448-18455.	1.8	20
10	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.	1.7	19
11	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.	1.4	19
12	Growth defects of organic crystals: A review. <i>Chemical Engineering Journal</i> , 2022, 429, 132450.	6.6	19
13	Tetrathienyl-functionalized red- and NIR-absorbing BODIPY dyes appending various peripheral substituents. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1393-1399.	1.5	15
14	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.	1.0	15
15	Solvent Effects on Catechol Crystal Habits and Aspect Ratios: A Combination of Experiments and Molecular Dynamics Simulation Study. <i>Crystals</i> , 2020, 10, 316.	1.0	15
16	Influence of Crystal Growth Conditions on Formation of Macroscopic Inclusions inside Thiourea Crystals. <i>ChemistrySelect</i> , 2018, 3, 2293-2297.	0.7	14
17	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
18	Insights into the mechanism of concomitant nucleation of form II and ethanol solvate of spironolactone in cooling crystallization. <i>RSC Advances</i> , 2018, 8, 9697-9706.	1.7	11

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19	Impact of Affecting the Formation Defects in Vinpocetine Crystals. <i>Crystal Growth and Design</i> , 2020, 20, 3093-3103.	1.4	11
20	Measurement and correlation of solubility of meropenem trihydrate in binary (water +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (acc 1461-1466.	1.7	10
21	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.	1.6	9
22	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.	1.3	8
23	Triglycine (GGG) Adopts a Polyproline II (pPII) Conformation in Its Hydrated Crystal Form: Revealing the Role of Water in Peptide Crystallization. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8416-8422.	2.1	8
24	Revealing the role of anisotropic solvent interaction in crystal habit formation of nifedipine. <i>Journal of Crystal Growth</i> , 2020, 552, 125941.	0.7	7
25	Influence of intermolecular interactions and crystal structure on desolvation mechanisms of solvates. <i>CrystEngComm</i> , 2021, 23, 3557-3568.	1.3	7
26	Measurement and Correlation of the Solubility of Aspirin in Four Binary Solvent Mixtures from $T = 283.15$ to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 856-868.	1.0	7
27	Measurement and correlation of the solubility of kojic acid in pure and binary solvents. <i>Journal of Chemical Thermodynamics</i> , 2022, 167, 106712.	1.0	7
28	Revealing the Molecular Mechanism of Cosolvency Based on Thermodynamic Phase Diagram, Molecular Simulation, and Spectrum Analysis: The Tolbutamide Case. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1628-1635.	2.1	7
29	Synthesis, Growth, and Characterization of a New Thiourea and Bismuth Chloride Complex with Excellent Nonlinear Optical Properties. <i>Transactions of Tianjin University</i> , 2018, 24, 532-537.	3.3	6
30	Confirmation of More Stable Polymorphic Form of Etoricoxib at Room Temperature. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1903-1910.	1.6	6
31	The role of water in the formation of crystal structures: a case study of valnemulin hydrochloride. <i>CrystEngComm</i> , 2021, 23, 47-55.	1.3	6
32	Effect of Sodium Sulfate on Nucleation Behavior and the Crystal Morphology of Taurine. <i>Crystal Research and Technology</i> , 2021, 56, 2000161.	0.6	6
33	Measurement and Correlation of Solubility and Thermodynamic Properties of Phenacetin in 12 Pure Solvents from 283.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 4593-4602.	1.0	6
34	Salts of 2-hydroxybenzylamine with improvements on solubility and stability: Virtual and experimental screening. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 169, 106091.	1.9	6
35	Combined virtual and experimental screening of multicomponent crystals of 2,4-dichlorophenoxyacetic acid. <i>New Journal of Chemistry</i> , 0, , .	1.4	6
36	Drug-Drug Multicomponent Crystals of Epalrestat: A Novel Form of the Drug Combination and Improved Solubility and Photostability of Epalrestat. <i>Crystal Growth and Design</i> , 2022, 22, 5027-5035.	1.4	6

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37	Enhanced luminescence of single-benzene fluorescent molecules through halogen bond cocrystals. <i>CrystEngComm</i> , 2022, 24, 3537-3545.	1.3	5
38	Studies on structure, NLO properties of a new organic NLO crystal: guanidinium 3,5-dihydroxybenzoate. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2994-3003.	1.1	4
39	Formation mechanism of liquid inclusions in dicumyl peroxide crystals. <i>CrystEngComm</i> , 2021, 23, 4214-4228.	1.3	4
40	Ultrasound-Assisted Slug-Flow Tubular Crystallization for Preparation of Fine Ibuprofen Crystals. <i>Chemical Engineering and Technology</i> , 2022, 45, 727-736.	0.9	4
41	Thermodynamic and Molecular Recognition Mechanism of Diastereomeric Salt/Cocrystal-Induced Chiral Separation. <i>Crystal Growth and Design</i> , 2022, 22, 4382-4395.	1.4	4
42	Polymorphism and crystal transformation of penicillin sulfoxide. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 442-447.	2.3	3
43	Solubility Measurements and Thermodynamic Properties of Sorbic Acid in Binary Solvent Mixtures of (Ethanol, 1-Propanol or 2-Propanol + Water) from 283.15 to 323.15 K. <i>Journal of Solution Chemistry</i> , 2020, 49, 1068-1081.	0.6	2