

# Peng Shi

## List of Publications by Year in Descending Order

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

42  
papers

441  
citations

13  
h-index

19  
g-index

43  
ext. papers

593  
ext. citations

4.4  
avg, IF

4.04  
L-index

#	Paper	IF	Citations
42	Discovering inhibitor molecules for pathological crystallization of CaOx kidney stones from natural extracts of medical herbs. <i>Journal of Ethnopharmacology</i> , <b>2022</b> , 284, 114733	5	2
41	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> , <b>2022</b> , 164, 106625	2.9	2
40	Machine learning-based solubility prediction and methodology evaluation of active pharmaceutical ingredients in industrial crystallization. <i>Frontiers of Chemical Science and Engineering</i> , <b>2021</b> , 1	4.5	1
39	Distinct pathways of solid-to-solid phase transitions induced by defects: the case of dl-me-thio-nine. <i>IUCrJ</i> , <b>2021</b> , 8, 584-594	4.7	1
38	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 &amp; Engineering Data</i> , <b>2021</b> , 66, 2561-2567 <sup>2.8</sup>		
37	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> , <b>2021</b> , 332, 115882	6	6
36	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> , <b>2021</b> , 331, 115757 <sup>6</sup>	6	4
35	Similar but Not the Same: Difference in the Ability to Form Cocrystals between Nimesulide and the Pyridine Analogues. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 287-296	3.5	2
34	Low-dose salinomycin inhibits breast cancer metastasis by repolarizing tumor hijacked macrophages toward the M1 phenotype. <i>European Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 157, 105629 <sup>5.1</sup>	5.1	7
33	Structural Origins of Elastic and 2D Plastic Flexibility of Molecular Crystals Investigated with Two Polymorphs of Conformationally Rigid Coumarin. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1053-1060	9.6	15
32	Use of additives to regulate solute aggregation and direct conformational polymorph nucleation of pimelic acid. <i>IUCrJ</i> , <b>2021</b> , 8, 161-167	4.7	4
31	Analysis of Characteristics of Hydrological and Meteorological Drought Evolution in Southwest China. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1846	3	7
30	Rationalizing the Formation of Belinostat Solvates with Experimental Screening and Computational Predictions. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 4986-4996	3.5	0
29	Template design based on molecular and crystal structure similarity to regulate conformational polymorphism nucleation: the case of Balkanedi-carb-oxy-lic acids. <i>IUCrJ</i> , <b>2021</b> , 8, 814-822	4.7	1
28	Enhancing continuous reactive crystallization of lithium carbonate in multistage mixed suspension mixed product removal crystallizers with pulsed ultrasound. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 77, 105698 <sup>8.9</sup>	8.9	
27	Applicability of Difference in Oxygen-18 and Deuterium of Water Sources and Isotopic Hydrograph Separation in a Bamboo Catchment during Different Rainfall Types. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3531 <sup>3</sup>	3	
26	Understanding the Role of Solvent Polarity in the Molecular Self-Assembly Process of Etoricoxib Solvates. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3650-3662	3.5	8

25	Eutectics and Salt of Dapsone With Hydroxybenzoic Acids: Binary Phase Diagrams, Characterization and Evaluation. <i>Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 109, 2224-2236	3.9	8
24	Probing the structural pathway of conformational polymorph nucleation by comparing a series of $\beta$ -alkanedicarboxylic acids. <i>IUCrJ</i> , <b>2020</b> , 7, 422-433	4.7	8
23	Determination and Correlation of Solubility of Forms I and II of Imidacloprid in Seven Pure Solvents from 293.15 to 333.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 5421-5427	2.8	2
22	A New Perspective of Gallic Acid on Calcium Oxalate Nucleation. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3173-3181	3.5	6
21	Solubility Determination and Thermodynamic Correlation of 2-Benzimidazolone in Twelve Pure Solvents from 283.15 to 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 2838-2845	2.8	10
20	Versatile solid forms of boscalid: insight into the crystal structures and phase transformations. <i>CrystEngComm</i> , <b>2019</b> , 21, 6838-6849	3.3	4
19	Surprising Effect of Carbon Chain Length on Inducing Ability of Additives: Elusive Form-II of $\beta$ -Aminobutyric Acid (GABA) Induced by Sodium Carboxylate Additives. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3825-3833	3.5	8
18	Impact Assessments of Rainfall Runoff Characteristics Response Based on Land Use Change via Hydrological Simulation. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 866	3	2
17	Solid-liquid phase equilibrium and thermodynamic analysis of metal dithiolene complex: The case of zinc dibutyldithiocarbamate. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 284, 547-556	6	17
16	Tuning crystallization and stability of the metastable polymorph of DL-methionine by a structurally similar additive. <i>CrystEngComm</i> , <b>2019</b> , 21, 3731-3739	3.3	14
15	Uncovering the solubility behavior of vitamin B6 hydrochloride in three aqueous binary solvents by thermodynamic analysis and molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 283, 584-595	6	22
14	Solubility measurement, correlation and mixing thermodynamics properties of dapsone in twelve mono solvents. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 280, 175-181	6	28
13	Solid-Liquid Phase Equilibrium and Thermodynamic Analysis of N,N'-Diethylthiourea in Different Solvent Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 6031-6040	2.8	12
12	Effects of Additives on the Morphology of Thiamine Nitrate: The Great Difference of Two Kinds of Similar Additives. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 775-785	3.5	23
11	Seed-Assisted Effects on Solution-Mediated Phase Transformation: A Case Study of l-Histidine in Antisolvent Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 784-793	3.9	5
10	Oiling-Out Investigation and Morphology Control of $\beta$ -Alanine Based on Ternary Phase Diagrams. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 818-826	3.5	24
9	Thermodynamic analysis and molecular dynamic simulation of the solubility of vortioxetine hydrobromide in three binary solvent mixtures. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 272, 676-688	6	56
8	Genomic and functional evidence reveals molecular insights into the origin of echolocation in whales. <i>Science Advances</i> , <b>2018</b> , 4, eaat8821	14.3	14

7	Insight into Solvent-Dependent Conformational Polymorph Selectivity: The Case of Undecanedioic Acid. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5947-5956	3.5	22
6	Temperature-dependent solubility of $\beta$ -Alanine in different binary solvents from 288.15 K to 323.15 K: Measurement and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 232, 522-531	6	12
5	Thermodynamic study of solubility for pyrazinamide in ten solvents from T = (283.15 to 323.15) K. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 112, 204-212	2.9	25
4	Two novel cocrystals of lamotrigine with isomeric bipyridines and in situ monitoring of the cocrystallization. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 110, 19-25	5.1	17
3	Uncover the effect of solvent and temperature on solid-liquid equilibrium behavior of l-norvaline. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 243, 273-284	6	8
2	Development of Coke Resistant Ni Catalysts for CO <sub>2</sub> Reforming of Methane via Glow Discharge Plasma Treatment. <i>ACS Symposium Series</i> , <b>2010</b> , 175-180	0.4	4
1	Characterization of Silica Supported Nickel Catalyst for Methanation with Improved Activity by Room Temperature Plasma Treatment. <i>Catalysis Letters</i> , <b>2009</b> , 133, 112-118	2.8	30