

# Peng Shi

## List of Publications by Year in descending order

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43  
papers

745  
citations

566801

15  
h-index

580395

25  
g-index

43  
all docs

43  
docs citations

43  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic analysis and molecular dynamic simulation of the solubility of vortioxetine hydrobromide in three binary solvent mixtures. <i>Journal of Molecular Liquids</i> , 2018, 272, 676-688.	2.3	81
2	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
3	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> , 2019, 283, 584-595.	2.3	38
4	Solubility measurement, correlation and mixing thermodynamics properties of dapsone in twelve mono solvents. <i>Journal of Molecular Liquids</i> , 2019, 280, 175-181.	2.3	36
5	Thermodynamic study of solubility for pyrazinamide in ten solvents from T = (283.15 to 323.15) K. <i>Journal of Chemical Thermodynamics</i> , 2017, 112, 204-212.	1.0	34
6	Characterization of Silica Supported Nickel Catalyst for Methanation with Improved Activity by Room Temperature Plasma Treatment. <i>Catalysis Letters</i> , 2009, 133, 112-118.	1.4	33
7	Insight into Solvent-Dependent Conformational Polymorph Selectivity: The Case of Undecanedioic Acid. <i>Crystal Growth and Design</i> , 2018, 18, 5947-5956.	1.4	33
8	Oiling-Out Investigation and Morphology Control of $\hat{I}^2$ -Alanine Based on Ternary Phase Diagrams. <i>Crystal Growth and Design</i> , 2018, 18, 818-826.	1.4	32
9	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
10	Genomic and functional evidence reveals molecular insights into the origin of echolocation in whales. <i>Science Advances</i> , 2018, 4, eaat8821.	4.7	22
11	Tuning crystallization and stability of the metastable polymorph of $\alpha$ -methionine by a structurally similar additive. <i>CrystEngComm</i> , 2019, 21, 3731-3739.	1.3	22
12	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
13	Solid-liquid phase equilibrium and thermodynamic analysis of metal dithiolene complex: The case of zinc dibutylidithiocarbamate. <i>Journal of Molecular Liquids</i> , 2019, 284, 547-556.	2.3	20
14	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> , 2021, 332, 115882.	2.3	20
15	Analysis of Characteristics of Hydrological and Meteorological Drought Evolution in Southwest China. <i>Water (Switzerland)</i> , 2021, 13, 1846.	1.2	18
16	A New Perspective of Gallic Acid on Calcium Oxalate Nucleation. <i>Crystal Growth and Design</i> , 2020, 20, 3173-3181.	1.4	16
17	Temperature-dependent solubility of $\hat{I}^2$ -Alanine in different binary solvents from 288.15 K to 323.15 K: Measurement and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2017, 232, 522-531.	2.3	15
18	Solid-Liquid Phase Equilibrium and Thermodynamic Analysis of $\alpha$ -Diethylthiourea in Different Solvent Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 6031-6040.	1.0	15

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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> , 2019, 19, 3825-3833.	1.4	13
20	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.	1.4	13
21	Distinct pathways of solid-to-solid phase transitions induced by defects: the case of $\alpha$ -DL-methionine. <i>IUCr</i> , 2021, 8, 584-594.	1.0	13
22	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.	2.3	13
23	Eutectics and Salt of Dapsone With Hydroxybenzoic Acids: Binary Phase Diagrams, Characterization and Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2224-2236.	1.6	12
24	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> , 2020, 65, 2838-2845.	1.0	12
25	Probing the structural pathway of conformational polymorph nucleation by comparing a series of $\alpha$ -alkanedicarboxylic acids. <i>IUCr</i> , 2020, 7, 422-433.	1.0	12
26	Uncover the effect of solvent and temperature on solid-liquid equilibrium behavior of l-norvaline. <i>Journal of Molecular Liquids</i> , 2017, 243, 273-284.	2.3	11
27	Low-dose salinomycin inhibits breast cancer metastasis by repolarizing tumor hijacked macrophages toward the M1 phenotype. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105629.	1.9	11
28	Seed-Assisted Effects on Solution-Mediated Phase Transformation: A Case Study of $\alpha$ -Histidine in Antisolvent Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 784-793.	1.8	10
29	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
30	Machine learning-based solubility prediction and methodology evaluation of active pharmaceutical ingredients in industrial crystallization. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 523-535.	2.3	10
31	Impact Assessments of Rainfall Runoff Characteristics Response Based on Land Use Change via Hydrological Simulation. <i>Water (Switzerland)</i> , 2019, 11, 866.	1.2	9
32	Discovering inhibitor molecules for pathological crystallization of CaOx kidney stones from natural extracts of medical herbs. <i>Journal of Ethnopharmacology</i> , 2022, 284, 114733.	2.0	9
33	Versatile solid forms of boscalid: insight into the crystal structures and phase transformations. <i>CrystEngComm</i> , 2019, 21, 6838-6849.	1.3	8
34	Similar but Not the Same: Difference in the Ability to Form Cocrystals between Nimesulide and the Pyridine Analogues. <i>Crystal Growth and Design</i> , 2021, 21, 287-296.	1.4	8
35	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> , 2020, 65, 5421-5427.	1.0	7
36	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

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37	Template design based on molecular and crystal structure similarity to regulate conformational polymorphism nucleation: the case of $\alpha$ -alkanedicarboxylic acids. <i>IUCr</i> , 2021, 8, 814-822.	1.0	6
38	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> , 2022, 164, 106625.	1.0	5
39	Development of Coke Resistant Ni Catalysts for CO <sub>2</sub> Reforming of Methane via Glow Discharge Plasma Treatment. <i>ACS Symposium Series</i> , 2010, , 175-180.	0.5	4
40	Microbiome-host-phylogeny relationships in animal gastrointestinal tract microbiomes. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	3
41	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
42	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> , 2021, 66, 2561-2567.	1.0	1
43	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> , 2021, 13, 3531.	1.2	0