

# Peng Shi

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/619701/peng-shi-publications-by-citations.pdf>

**Version:** 2023-10-03

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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

25	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
24	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
23	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
22	Probing the structural pathway of conformational polymorph nucleation by comparing a series of alkylbenzoic acids. <i>IUCr</i> , <b>2020</b> , 7, 422-433	4.7	8
21	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	5.1	7
20	Analysis of Characteristics of Hydrological and Meteorological Drought Evolution in Southwest China. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1846	3	7
19	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
18	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
17	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
16	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
15	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
14	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, 115737	6	4
13	Use of additives to regulate solute aggregation and direct conformational polymorph nucleation of pimelic acid. <i>IUCr</i> , <b>2021</b> , 8, 161-167	4.7	4
12	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
11	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
10	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
9	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
8	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

- 7 Machine learning-based solubility prediction and methodology evaluation of active pharmaceutical ingredients in industrial crystallization. *Frontiers of Chemical Science and Engineering*, **2021**, 1 4.5 1
- 6 Distinct pathways of solid-to-solid phase transitions induced by defects: the case of dl-me-thio-nine. *IUCrJ*, **2021**, 8, 584-594 4.7 1
- 5 Template design based on molecular and crystal structure similarity to regulate conformational polymorphism nucleation: the case of ~~β~~alkanedi-carb-oxy-lic acids. *IUCrJ*, **2021**, 8, 814-822 4.7 1
- 4 Rationalizing the Formation of Belinostat Solvates with Experimental Screening and Computational Predictions. *Crystal Growth and Design*, **2021**, 21, 4986-4996 3.5 0
- 3 Solubility Measurement and Data Correlation of 4-Chlorophenoxyacetic Acid in 13 Monosolvents at Temperatures from 283.15 to 328.15 K. *Journal of Chemical & Engineering Data*, **2021**, 66, 2561-2567<sup>2,8</sup>
- 2 Enhancing continuous reactive crystallization of lithium carbonate in multistage mixed suspension mixed product removal crystallizers with pulsed ultrasound. *Ultrasonics Sonochemistry*, **2021**, 77, 105698<sup>8,9</sup>
- 1 Applicability of Difference in Oxygen-18 and Deuterium of Water Sources and Isotopic Hydrograph Separation in a Bamboo Catchment during Different Rainfall Types. *Water (Switzerland)*, **2021**, 13, 3531<sup>3</sup>