

# Songgu Wu

## List of Publications by Year in descending order

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97  
papers

1,534  
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361296

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docs citations

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812  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Solubility Correlation and Thermodynamic Analysis of Sorafenib Free Base and Sorafenib Tosylate in Monosolvents and Binary Solvent Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 259-267. | 1.0 | 67        |
| 2  | 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        |
| 3  | 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        |
| 4  | Nucleation behavior of eszopiclone-butyl acetate solutions from metastable zone widths. <i>Chemical Engineering Science</i> , 2016, 155, 248-257.   | 1.9 | 53        |
| 5  | 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        |
| 6  | Caking of crystals: Characterization, mechanisms and prevention. <i>Powder Technology</i> , 2018, 337, 51-67.   | 2.1 | 49        |
| 7  | Solid-liquid equilibrium behavior and thermodynamic analysis of dipyridamole in pure and binary solvents from 293.15 K to 328.15 K. <i>Journal of Molecular Liquids</i> , 2019, 275, 8-17.                          | 2.3 | 47        |
| 8  | Solubility of androstenedione in lower alcohols. <i>Fluid Phase Equilibria</i> , 2014, 363, 86-96.  | 1.4 | 45        |
| 9  | Solubility measurement, correlation and mixing thermodynamics properties of dapson in twelve mono solvents. <i>Journal of Molecular Liquids</i> , 2019, 280, 175-181.   | 2.3 | 36        |
| 10 | Ultrasound-assisted intensified crystallization of L-glutamic acid: Crystal nucleation and polymorph transformation. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105227.   | 3.8 | 34        |
| 11 | Measurement and Correlation of the Solubility of Penicillin V Potassium in Ethanol + Water and 1-Butyl Alcohol + Water Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 112-117.              | 1.0 | 33        |
| 12 | 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        |
| 13 | Design and mechanism of the formation of spherical KCl particles using cooling crystallization without additives. <i>Powder Technology</i> , 2018, 329, 455-462.  | 2.1 | 32        |
| 14 | 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 &amp; Engineering Data</i> , 2020, 65, 814-820.            | 1.0 | 32        |
| 15 | 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        |
| 16 | Solubility Measurement and Correlation of Probenecid in 12 Pure Organic Solvents and Thermodynamic Properties of Mixing of Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 624-631.        | 1.0 | 28        |
| 17 | Oiling out and Polymorphism Control of Pyraclostrobin in Cooling Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11631-11637.   | 1.8 | 27        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | Solubility Determination and Correlation of Glibenclamide in 11 Monosolvents and (Acetone +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70<br>2019, 64, 189-201.   | 1.0 | 23        |
| 21 | Determination of Solubility and Induction Time of Ceftazidime. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 176-182.  | 1.0 | 21        |
| 22 | 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        |
| 23 | 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        |
| 24 | Crystal Structure, Stability and Desolvation of the Solvates of Sorafenib Tosylate. <i>Crystals</i> , 2019, 9, 367.  | 1.0 | 20        |
| 25 | Polymorphism of levofloxacin: structure, properties and phase transformation. <i>CrystEngComm</i> , 2019, 21, 6196-6207.   | 1.3 | 20        |
| 26 | Size Control of Atorvastatin Calcium Particles Based on Spherical Agglomeration. <i>Chemical Engineering and Technology</i> , 2015, 38, 1081-1087.   | 0.9 | 19        |
| 27 | 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        |
| 28 | Caking and adhesion free energy of maltitol: Studying of mechanism in adhesion process. <i>Powder Technology</i> , 2015, 272, 235-240.   | 2.1 | 17        |
| 29 | Temperature and solvent dependent thermodynamic behavior of tetrabromobisphenol A. <i>Journal of Molecular Liquids</i> , 2017, 241, 150-162.   | 2.3 | 17        |
| 30 | Crystal morphology optimization of thiamine hydrochloride in solvent system: Experimental and molecular dynamics simulation studies. <i>Journal of Crystal Growth</i> , 2018, 481, 48-55.                          | 0.7 | 17        |
| 31 | Bendable and Twistable Crystals of Flufenamic Acid Form III with Bending Mechanofluorochromism Behavior. <i>Crystal Growth and Design</i> , 2022, 22, 1312-1318.   | 1.4 | 17        |
| 32 | Transformation between Two Types of Spherulitic Growth: Tuning the Morphology of Spherulitic Nitroguanidine in a Gelatin Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21167-21176. | 1.8 | 16        |
| 33 | Mechanical Motion and Modulation of Thermal Actuation Properties in a Robust Organic Molecular Crystal Actuator. <i>Advanced Functional Materials</i> , 2022, 32, .  | 7.8 | 16        |
| 34 | Polymorphs of daidzein and intermolecular interaction effect on solution crystallization. <i>CrystEngComm</i> , 2017, 19, 7146-7153.   | 1.3 | 15        |
| 35 | Spherical Crystallization and the Mechanism of Clopidogrel Hydrogen Sulfate. <i>Chemical Engineering and Technology</i> , 2018, 41, 1259-1265.   | 0.9 | 15        |
| 36 | Polymorphism and molecular conformations of nicosulfuron: structure, properties and desolvation process. <i>CrystEngComm</i> , 2019, 21, 2790-2798.  | 1.3 | 15        |

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|----|--|-----|-----------|
| 37 | Correlation and Thermodynamic Analysis of Solubility of Mesotrione in Pure Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 877-884.  | 1.0 | 15        |
| 38 | Asparagine endopeptidase-targeted Ultrasound-responsive Nanobubbles Alleviate Tau Cleavage and Amyloid- $\beta^2$ Deposition in an Alzheimer's Disease Model. <i>Acta Biomaterialia</i> , 2022, 141, 388-397.                              | 4.1 | 15        |
| 39 | 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        |
| 40 | Solubility of Ibuprofen Sodium Dihydrate in Acetone + Water Mixtures: Experimental Measurement and Thermodynamic Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3415-3421.  | 1.0 | 14        |
| 41 | Agglomeration Mechanism of Azithromycin Dihydrate in Acetone-Water Mixtures and Optimization of the Powder Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4905-4910.                                       | 1.8 | 14        |
| 42 | 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        |
| 43 | 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        |
| 44 | Green Mechanochemical Strategy for the Discovery and Selective Preparation of Polymorphs of Active Pharmaceutical Ingredient $\beta^3$ -Aminobutyric Acid (GABA). <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16781-16790. | 3.2 | 14        |
| 45 | Ultrasound-assisted solution crystallization of fotaliptin benzoate: Process intensification and crystal product optimization. <i>Ultrasonics Sonochemistry</i> , 2021, 76, 105634.  | 3.8 | 14        |
| 46 | 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        |
| 47 | Solvent-Mediated Nonoriented Self-Aggregation Transformation: A Case Study of Gabapentin. <i>Crystal Growth and Design</i> , 2017, 17, 4207-4216.  | 1.4 | 13        |
| 48 | Thermodynamic Study of Solubility for Imatinib Mesylate in Nine Monosolvents and Two Binary Solvent Mixtures from 278.15 to 318.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 4114-4127.                             | 1.0 | 13        |
| 49 | Solubility and Data Correlation of $\beta^2$ -Arbutin in Different Monosolvents from 283.15 to 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 5688-5697.  | 1.0 | 13        |
| 50 | Surprising Effect of Carbon Chain Length on Inducing Ability of Additives: Elusive Form-II of $\beta^3$ -Aminobutyric Acid (GABA) Induced by Sodium Carboxylate Additives. <i>Crystal Growth and Design</i> , 2019, 19, 3825-3833.         | 1.4 | 13        |
| 51 | 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        |
| 52 | Industrial Crystallization in China. <i>Chemical Engineering and Technology</i> , 2016, 39, 807-814.   | 0.9 | 12        |
| 53 | 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        |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | Preparation and Formation Mechanism of $\alpha$ -Valine Spherulites via Evaporation Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 6048-6058.  | 1.8 | 12        |
| 57 | Drug- $\alpha$ -drug salts of mefenamic acid/olfenamic acid and piperazine to improve physicochemical properties for potential veterinary use. <i>CrystEngComm</i> , 2019, 21, 5284-5291.   | 1.3 | 10        |
| 58 | 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        |
| 59 | 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        |
| 60 | 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         |
| 61 | Transformations among the New Solid-State Forms of Clindamycin Phosphate. <i>Organic Process Research and Development</i> , 2013, 17, 1445-1450.  | 1.3 | 8         |
| 62 | Crystal Structures and Phase Behavior of Sulfadiazine and a Method for the Preparation of Aggregates with Good Performance. <i>Chemical Engineering and Technology</i> , 2018, 41, 532-540.   | 0.9 | 8         |
| 63 | Versatile solid forms of boscalid: insight into the crystal structures and phase transformations. <i>CrystEngComm</i> , 2019, 21, 6838-6849.  | 1.3 | 8         |
| 64 | 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         |
| 65 | Nucleation behavior of isosorbide 5-mononitrate revealed from metastable zone widths by combining nucleation theory model and molecular simulation. <i>Journal of Molecular Liquids</i> , 2022, 363, 119846.  | 2.3 | 8         |
| 66 | 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         |
| 67 | Measurement and Correlation of the Solubility of Aminocaproic Acid in Some Pure and Binary Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 5312-5323.   | 1.0 | 7         |
| 68 | 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         |
| 69 | 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         |
| 70 | Uncover the effect of solvent on dissolution behavior of dimethylaminomichelolide fumarate salt. <i>Journal of Molecular Liquids</i> , 2019, 293, 111448.   | 2.3 | 6         |
| 71 | 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         |
| 72 | 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         |

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|----|---|-----|-----------|
| 73 | Measurement and Correlation of the Solubility of Pyrimethanil in Seven Monosolvents and Two Different Binary Mixed Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 2804-2812.   | 1.0 | 5         |
| 74 | Insight into the Influential Mechanism of Polymorphic Parent Molecule with High <i>Z</i> ™ on the Cocrystal Formation. <i>Crystal Growth and Design</i> , 2021, 21, 6385-6392.  | 1.4 | 5         |
| 75 | Revealing the dissolution behavior of trans-p-methoxycinnamic acid in 12 organic solvents by parametric model and molecular simulation. <i>Journal of Chemical Thermodynamics</i> , 2022, 166, 106683.  | 1.0 | 5         |
| 76 | 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         |
| 77 | Structural Insights into the Highly Solvating System of Axitinib via Binary and Ternary Solvates. <i>Crystal Growth and Design</i> , 2022, 22, 1083-1093.   | 1.4 | 5         |
| 78 | Theoretical and Structural Understanding of the Different Factors Influencing the Formation of Multicomponent Crystals of 2,4-Dichlorophenoxyacetic Acid with N-heterocyclic Compounds. <i>Crystal Growth and Design</i> , 2022, 22, 1707-1719. | 1.4 | 5         |
| 79 | Influence of the Solvent Content on the Phase Transformation of Sulfadiazine N-Methyl Pyrrolidone Solvate. <i>Chemical Engineering and Technology</i> , 2019, 42, 1435-1445.  | 0.9 | 4         |
| 80 | The formation mechanism of hollow spherulites and molecular conformation of curcumin and solvate. <i>CrystEngComm</i> , 2020, 22, 8405-8411.  | 1.3 | 4         |
| 81 | 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         |
| 82 | Preparation and solid-state characterization of dapsona pharmaceutical cocrystals through the supramolecular synthon strategy. <i>CrystEngComm</i> , 2021, 23, 6690-6702.   | 1.3 | 4         |
| 83 | Multiple Mechanical Behaviors in One Crystal of 2,4-Dichlorophenoxyacetic Acid Form II: Thermomechanical Effect and Elastic Deformation. <i>Crystal Growth and Design</i> , 2022, 22, 3680-3687.  | 1.4 | 4         |
| 84 | Solubility Measurement and Correlation of Ceftiofur Sodium Trihydrate in Four Binary Solvent Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 916-922.   | 1.0 | 3         |
| 85 | Tuning morphology of sulfadiazine through phase transformation of two novel solvates. <i>Journal of Crystal Growth</i> , 2021, 562, 126087.   | 0.7 | 3         |
| 86 | Ultrasound assisted crystallization of cephalixin monohydrate: Nucleation mechanism and crystal habit control. <i>Chinese Journal of Chemical Engineering</i> , 2022, 41, 430-440.  | 1.7 | 3         |
| 87 | Insight into the Nucleation Mechanism of p-Methoxybenzoic Acid in Ethanol-Water System from Metastable Zone Width. <i>Molecules</i> , 2022, 27, 4085.   | 1.7 | 3         |
| 88 | Additive-Induced Selective Crystallization of the Elusive Form III of L-Alanine. <i>Chemical Engineering and Technology</i> , 2020, 43, 1137-1143.  | 0.9 | 2         |
| 89 | Optimizing the morphology of calcium D-pantothenate by controlling phase transformation processes. <i>CrystEngComm</i> , 2021, 23, 2162-2173.   | 1.3 | 2         |
| 90 | Unraveling the Molecular Mechanisms That Influence the Color and Stability of Four Lutein Crystal Forms. <i>Crystal Growth and Design</i> , 2021, 21, 1762-1777.  | 1.4 | 2         |

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|----|--|-----|-----------|
| 91 | 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         |
| 92 | Insoluble Salt of Memantine with a Unique Fluorescence Phenomenon. <i>Molecular Pharmaceutics</i> , 2022, , .  | 2.3 | 2         |
| 93 | Dissolution behavior, thermodynamic and kinetic analysis of malonamide by experimental measurement and molecular simulation. <i>Chinese Journal of Chemical Engineering</i> , 2023, 53, 260-269.                                   | 1.7 | 2         |
| 94 | 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         |
| 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 &amp; Engineering Data</i> , 0, , .   | 1.0 | 0         |
| 96 | The heterogeneous nucleation of pimelic acid under the effect of a template: experimental research and molecular simulation. <i>CrystEngComm</i> , 2022, 24, 2825-2835.  | 1.3 | 0         |
| 97 | A new strategy to design isostructural salts: The case of the antitumor drug dimethylaminomicheliolide. <i>Chinese Chemical Letters</i> , 2023, 34, 107504.  | 4.8 | 0         |