# Chenguang Wang

## List of Publications by Citations



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|---|---|---|---|
| 58 papers | 761 citations | 15 h-index | 25 g-index |
| 60 ext. papers | 1,028 ext. citations | 4.4 avg, IF | 5.04 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 58 | Enhancing Bioavailability of Dihydromyricetin through Inhibiting Precipitation of Soluble Cocrystals by a Crystallization Inhibitor. *Crystal Growth and Design*, **2016**, 16, 5030-5039 | 3.5 | 56 |
| 57 | Sweet Berberine. *Crystal Growth and Design*, **2016**, 16, 933-939 | 3.5 | 54 |
| 56 | Identifying Slip Planes in Organic Polymorphs by Combined Energy Framework Calculations and Topology Analysis. *Crystal Growth and Design*, **2018**, 18, 1909-1916 | 3.5 | 48 |
| 55 | The landscape of mechanical properties of molecular crystals. *CrystEngComm*, **2020**, 22, 1149-1153 | 3.3 | 48 |
| 54 | Gastrointestinal stability of dihydromyricetin, myricetin, and myricitrin: an in vitro investigation. *International Journal of Food Sciences and Nutrition*, **2017**, 68, 704-711 | 3.7 | 42 |
| 53 | Relationships among Crystal Structures, Mechanical Properties, and Tableting Performance Probed Using Four Salts of Diphenhydramine. *Crystal Growth and Design*, **2017**, 17, 6030-6040 | 3.5 | 42 |
| 52 | Computational Techniques for Predicting Mechanical Properties of Organic Crystals: A Systematic Evaluation. *Molecular Pharmaceutics*, **2019**, 16, 1732-1741 | 5.6 | 38 |
| 51 | Expedited development of a high dose orally disintegrating metformin tablet enabled by sweet salt formation with acesulfame. *International Journal of Pharmaceutics*, **2017**, 532, 435-443 | 6.5 | 28 |
| 50 | Solid-state characterization of optically pure (+)Dihydromyricetin extracted from Ampelopsis grossedentata leaves. *International Journal of Pharmaceutics*, **2016**, 511, 245-252 | 6.5 | 27 |
| 49 | Preparation, Characterization, and Formulation Development of Drug-Drug Protic Ionic Liquids of Diphenhydramine with Ibuprofen and Naproxen. *Molecular Pharmaceutics*, **2018**, 15, 4190-4201 | 5.6 | 26 |
| 48 | Preparation, characterization and in vivo studies of amorphous solid dispersion of berberine with hydrogenated phosphatidylcholine. *European Journal of Pharmaceutical Sciences*, **2015**, 74, 11-7 | 5.1 | 24 |
| 47 | Cocrystal Engineering of Itraconazole with Suberic Acid via Rotary Evaporation and Spray Drying. *Crystal Growth and Design*, **2019**, 19, 2736-2745 | 3.5 | 21 |
| 46 | Extended Release of Highly Water Soluble Isoniazid Attained through Cocrystallization with Curcumin. *Crystal Growth and Design*, **2020**, 20, 1951-1960 | 3.5 | 19 |
| 45 | Expedited Development of Diphenhydramine Orally Disintegrating Tablet through Integrated Crystal and Particle Engineering. *Molecular Pharmaceutics*, **2017**, 14, 3399-3408 | 5.6 | 17 |
| 44 | Mechanism for the Reduced Dissolution of Ritonavir Tablets by Sodium Lauryl Sulfate. *Journal of Pharmaceutical Sciences*, **2019**, 108, 516-524 | 3.9 | 16 |
| 43 | Robust bulk preparation and characterization of sulfamethazine and saccharine salt and cocrystal polymorphs. *CrystEngComm*, **2019**, 21, 2089-2096 | 3.3 | 15 |
| 42 | Structural Origins of Elastic and 2D Plastic Flexibility of Molecular Crystals Investigated with Two Polymorphs of Conformationally Rigid Coumarin. *Chemistry of Materials*, **2021**, 33, 1053-1060 | 9.6 | 15 |

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| 41 | Mitigating Punch Sticking Propensity of Celecoxib by Cocrystallization: An Integrated Computational and Experimental Approach. *Crystal Growth and Design*, **2020**, 20, 4217-4223 | 3.5 | 14 |
| 40 | Microstructures and pharmaceutical properties of ferulic acid agglomerates prepared by different spherical crystallization methods. *International Journal of Pharmaceutics*, **2020**, 574, 118914 | 6.5 | 14 |
| 39 | Reduced Punch Sticking Propensity of Acesulfame by Salt Formation: Role of Crystal Mechanical Property and Surface Chemistry. *Molecular Pharmaceutics*, **2019**, 16, 2700-2707 | 5.6 | 13 |
| 38 | Profoundly Improved Plasticity and Tabletability of Griseofulvin by in Situ Solvation and Desolvation during Spherical Crystallization. *Crystal Growth and Design*, **2019**, 19, 2350-2357 | 3.5 | 13 |
| 37 | Anion Exchange Reaction for Preparing Acesulfame Solid Forms. *Crystal Growth and Design*, **2018**, 18, 4215-4219 | 3.5 | 13 |
| 36 | Spherical Cocrystallization: An Enabling Technology for the Development of High Dose Direct Compression Tablets of Poorly Soluble Drugs. *Crystal Growth and Design*, **2019**, 19, 2503-2510 | 3.5 | 12 |
| 35 | Developing Biologics Tablets: The Effects of Compression on the Structure and Stability of Bovine Serum Albumin and Lysozyme. *Molecular Pharmaceutics*, **2019**, 16, 1119-1131 | 5.6 | 9 |
| 34 | Structural Features of Sulfamethizole and Its Cocrystals: Beauty Within. *Crystal Growth and Design*, **2019**, 19, 7185-7192 | 3.5 | 9 |
| 33 | Novel Quasi-Emulsion Solvent Diffusion-Based Spherical Cocrystallization Strategy for Simultaneously Improving the Manufacturability and Dissolution of Indomethacin. *Crystal Growth and Design*, **2020**, 20, 6752-6762 | 3.5 | 9 |
| 32 | Relationship between hydrate stability and accuracy of true density measured by helium pycnometry. *International Journal of Pharmaceutics*, **2019**, 567, 118444 | 6.5 | 8 |
| 31 | Simultaneous taste-masking and oral bioavailability enhancement of Ligustrazine by forming sweet salts. *International Journal of Pharmaceutics*, **2020**, 577, 119089 | 6.5 | 8 |
| 30 | Lack of dependence of mechanical properties of baicalein cocrystals on those of the constituent components. *CrystEngComm*, **2018**, 20, 5486-5489 | 3.3 | 8 |
| 29 | Molecular Interpretation of Mechanical Behavior in Four Basic Crystal Packing of Isoniazid with Homologous Cocrystal Formers. *Crystal Growth and Design*, **2020**, 20, 832-844 | 3.5 | 8 |
| 28 | Molecular Interpretation of the Compaction Performance and Mechanical Properties of Caffeine Cocrystals: A Polymorphic Study. *Molecular Pharmaceutics*, **2020**, 17, 21-31 | 5.6 | 8 |
| 27 | Fast Determination of Phase Stability of Hydrates Using Intrinsic Dissolution Rate Measurements. *Crystal Growth and Design*, **2019**, 19, 5471-5476 | 3.5 | 7 |
| 26 | Development of piroxicam mini-tablets enabled by spherical cocrystallization. *International Journal of Pharmaceutics*, **2020**, 590, 119953 | 6.5 | 7 |
| 25 | Tabletability Flip - Role of Bonding Area and Bonding Strength Interplay. *Journal of Pharmaceutical Sciences*, **2020**, 109, 3569-3573 | 3.9 | 6 |
| 24 | Nanomechanical mapping and strain rate sensitivity of microcrystalline cellulose. *Journal of Materials Research*, **2021**, 36, 2251-2265 | 2.5 | 6 |

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| 23 | Single-Crystal Plasticity Defies Bulk-Phase Mechanics in Isoniazid Cocrystals with Analogous Coformers. *Crystal Growth and Design*, **2019**, 19, 4465-4475 | 3.5 | 5 |
| 22 | Deconvolution of the gene expression profiles of valuable banked blood specimens for studying the prognostic values of altered peripheral immune cell proportions in cancer patients. *PLoS ONE*, **2014**, 9, e100934 | 3.7 | 5 |
| 21 | MOF-Derived hierarchical porous 3D ZnO/Ag nanostructure as a reproducible SERS substrate for ultrasensitive detection of multiple environmental pollutants.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 270, 120818 | 4.4 | 5 |
| 20 | The efficient development of a sildenafil orally disintegrating tablet using a material sparing and expedited approach. *International Journal of Pharmaceutics*, **2020**, 589, 119816 | 6.5 | 5 |
| 19 | Reducing the Sublimation Tendency of Ligustrazine through Salt Formation. *Crystal Growth and Design*, **2020**, 20, 2057-2063 | 3.5 | 4 |
| 18 | Improving the Physicochemical and Biopharmaceutical Properties of Active Pharmaceutical Ingredients Derived from Traditional Chinese Medicine through Cocrystal Engineering.. *Pharmaceutics*, **2021**, 13, | 6.4 | 4 |
| 17 | Improving the Solubility, Dissolution, and Bioavailability of Metronidazole via Cocrystallization with Ethyl Gallate. *Pharmaceutics*, **2021**, 13, | 6.4 | 3 |
| 16 | Structural Insights into the Distinct Solid-State Properties and Interconversion of Celecoxib N-Methyl-2-pyrrolidone Solvates. *Crystal Growth and Design*, **2021**, 21, 277-286 | 3.5 | 3 |
| 15 | An Elusive Drug□Drug Cocrystal Prepared Using a Heteroseeding Strategy. *Crystal Growth and Design*, | 3.5 | 3 |
| 14 | Molecular Origin of the Distinct Tabletability of Loratadine and Desloratadine: Role of the Bonding Area - Bonding Strength Interplay. *Pharmaceutical Research*, **2020**, 37, 133 | 4.5 | 2 |
| 13 | Simultaneous improvement of physical stability, dissolution, bioavailability, and antithrombus efficacy of Aspirin and Ligustrazine through cocrystallization.. *International Journal of Pharmaceutics*, **2022**, 121541 | 6.5 | 2 |
| 12 | Effects of shear cell size on flowability of powders measured using a ring shear tester. *Powder Technology*, **2021**, 396, 555-555 | 5.2 | 2 |
| 11 | Crystallographic and Energetic Insights into Reduced Dissolution and Physical Stability of a Drug-Surfactant Salt: The Case of Norfloxacin Lauryl Sulfate. *Molecular Pharmaceutics*, **2020**, 17, 579-587 | 5.6 | 2 |
| 10 | Sweet Sulfamethazine Acesulfamate Crystals with Improved Compaction Property. *Crystal Growth and Design*, **2021**, 21, 1077-1085 | 3.5 | 2 |
| 9 | Modulation of the powder properties of lamotrigine by crystal forms. *International Journal of Pharmaceutics*, **2021**, 595, 120274 | 6.5 | 2 |
| 8 | Exceptional Powder Tabletability of Elastically Flexible Crystals. *Crystal Growth and Design*, | 3.5 | 1 |
| 7 | Drug□Drug Cocrystallization Simultaneously Improves Pharmaceutical Properties of Genistein and Ligustrazine. *Crystal Growth and Design*, **2021**, 21, 3461-3468 | 3.5 | 1 |
| 6 | Effects of compaction and storage conditions on stability of intravenous immunoglobulin - Implication on developing oral tablets of biologics. *International Journal of Pharmaceutics*, **2021**, 604, 120737 | 6.5 | 1 |

# List of Publications

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| 5 | Reversible facile single-crystal-to-single-crystal polymorphic transition accompanied by unit cell volume expansion and twinning. *CrystEngComm*, **2021**, 23, 2648-2653 | 3.3 | 1 |
| 4 | Efficient development of sorafenib tablets with improved oral bioavailability enabled by coprecipitated amorphous solid dispersion. *International Journal of Pharmaceutics*, **2021**, 610, 121216 | 6.5 | 0 |
| 3 | Discovery, Characterization, and Pharmaceutical Applications of Two Loratadine–Oxalic Acid Cocrystals. *Crystals*, **2020**, 10, 996 | 2.3 | 0 |
| 2 | Mechanisms of Crystal Plasticization by Lattice Water.. *Pharmaceutical Research*, **2022**, 1 | 4.5 | 0 |
| 1 | Effect of deaeration on processability of poorly flowing powders by roller compaction.. *International Journal of Pharmaceutics*, **2022**, 621, 121803 | 6.5 | |