# Xuefeng Mei

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6676176/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 64 papers | 1,536 citations | 279798 23 h-index | 330143 37 g-index |
| 65 all docs | 65 docs citations | 65 times ranked | 1335 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhancing the stability of active pharmaceutical ingredients by the cocrystal strategy. CrystEngComm, 2022, 24, 2002-2022. | 2.6 | 36 |
| 2 | Improving the dissolution behaviors and bioavailability of abiraterone acetate via multicomponent crystal forms. International Journal of Pharmaceutics, 2022, 614, 121460. | 5.2 | 14 |
| 3 | Superior Dissolution Behavior and Bioavailability of Pharmaceutical Cocrystals and Recent Regulatory Issues. ACS Medicinal Chemistry Letters, 2022, 13, 29-37. | 2.8 | 4 |
| 4 | Stabilizing photo-sensitive colchicine through rebalancing electron distribution of the reactive tropolone ring. CrystEngComm, 2021, 23, 30-34. | 2.6 | 2 |
| 5 | Cocrystals to tune oily vitamin E into crystal vitamin E. International Journal of Pharmaceutics, 2021, 592, 120057. | 5.2 | 7 |
| 6 | Different Solid Forms of Vitamin K3 and Their Effect on the Chemical Stability. Crystal Growth and Design, 2021, 21, 528-535. | 3.0 | 3 |
| 7 | Improving Stability of Vitamin B5 Through Double Salt Formation. Crystal Growth and Design, 2021, 21, 4997-5005. | 3.0 | 8 |
| 8 | Conformational polymorphs of isotretinoin and their impact on physicochemical and biological properties. International Journal of Pharmaceutics, 2021, 610, 121222. | 5.2 | 3 |
| 9 | Machine-Learning-Guided Cocrystal Prediction Based on Large Data Base. Crystal Growth and Design, 2020, 20, 6610-6621. | 3.0 | 38 |
| 10 | Pharmaceutical Cocrystals of Nicorandil with Enhanced Chemical Stability and Sustained Release. Crystal Growth and Design, 2020, 20, 6995-7005. | 3.0 | 25 |
| 11 | Drugâ€“Drug Cocrystals Provide Significant Improvements of Drug Properties in Treatment with Progesterone. Crystal Growth and Design, 2020, 20, 3053-3063. | 3.0 | 28 |
| 12 | The axial chirality hidden in vitamin D and its application in cocrystal prediction. CrystEngComm, 2020, 22, 3095-3099. | 2.6 | 0 |
| 13 | Hydrochromism behaviors of solid forms of chelerythrine hydrochloride. CrystEngComm, 2019, 21, 5915-5921. | 2.6 | 1 |
| 14 | Improving Compliance and Decreasing Drug Accumulation of Diethylstilbestrol through Cocrystallization. Crystal Growth and Design, 2019, 19, 1942-1953. | 3.0 | 9 |
| 15 | Confocal Raman micro-spectral evidence and physicochemical evaluation of triamterene salts. Analyst, The, 2019, 144, 530-535. | 3.5 | 3 |
| 16 | RQ3, A Natural Rebaudioside D Isomer, Was Obtained from Glucosylation of Rebaudioside A Catalyzed by the CGTase Toruzyme 3.0 L. Journal of Agricultural and Food Chemistry, 2019, 67, 8020-8028. | 5.2 | 17 |
| 17 | Anisotropic elasticity and plasticity of an organic crystal. Chemical Communications, 2019, 55, 8532-8535. | 4.1 | 35 |
| 18 | Study of Crystal Structures, Properties, and Form Transformations among a Polymorph, Hydrates, and Solvates of Apatinib. Crystal Growth and Design, 2019, 19, 3060-3069. | 3.0 | 19 |

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|---|---|---|---|
| 19 | Identification of an Overlooked Halogenâ€Bond Synthon and Its Application in Designing Fluorescent Materials. Chemistry - A European Journal, 2019, 25, 6584-6590. | 3.3 | 11 |
| 20 | Comparison of the crystal structures and physicochemical properties of novel resveratrol cocrystals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 1186-1196. | 1.1 | 7 |
| 21 | Solvatochromism and mechanochromism observed in a triphenylamine derivative. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 839-844. | 1.1 | 0 |
| 22 | Cocrystallization in vitamin B<sub>9</sub> gels to construct stoichiometry-controlled isostructural materials. CrystEngComm, 2018, 20, 1644-1648. | 2.6 | 3 |
| 23 | Self-assembled energetic 3D metalâ€“organic framework [Na<sub>8</sub>(N<sub>5</sub>)<sub>8</sub>(H<sub>2</sub>O)<sub>3</sub>]<sub>n</sub> based on cyclo-N<sub>5</sub><sup>â€“</sup>. Dalton Transactions, 2018, 47, 1398-1401. | 3.3 | 76 |
| 24 | Triamtereneâ€“furosemide salt: structural aspects and physicochemical evaluation. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 738-741. | 1.1 | 11 |
| 25 | Fine-Tuning the Colors of Natural Pigment Emodin with Superior Stability through Cocrystal Engineering. Crystal Growth and Design, 2018, 18, 6123-6132. | 3.0 | 22 |
| 26 | Stable Cocrystals and Salts of the Antineoplastic Drug Apatinib with Improved Solubility in Aqueous Solution. Crystal Growth and Design, 2018, 18, 4701-4714. | 3.0 | 28 |
| 27 | Isostructural Solvates of Naturally Occurring Allocryptopine Exhibit Both Mechanochromic and Hydrochromic Luminescent Properties. ACS Omega, 2018, 3, 9220-9226. | 3.5 | 5 |
| 28 | Solid-state characterization and solubility enhancement of apremilast drugâ€“drug cocrystals. CrystEngComm, 2018, 20, 5945-5948. | 2.6 | 38 |
| 29 | Improving Dissolution Properties by Polymers and Surfactants: A Case Study of Celastrol. Journal of Pharmaceutical Sciences, 2018, 107, 2860-2868. | 3.3 | 8 |
| 30 | Amino acids as co-amorphous excipients for tackling the poor aqueous solubility of valsartan. Pharmaceutical Development and Technology, 2017, 22, 69-76. | 2.4 | 51 |
| 31 | Cocrystals of Baicalein with Higher Solubility and Enhanced Bioavailability. Crystal Growth and Design, 2017, 17, 1893-1901. | 3.0 | 97 |
| 32 | Polymorphism of Triamcinolone Acetonide Acetate and Its Implication for the Morphology Stability of the Finished Drug Product. Crystal Growth and Design, 2017, 17, 3482-3490. | 3.0 | 10 |
| 33 | Vapor triggered fluorescent color changes among solvates of Emodin. Journal of Materials Chemistry C, 2017, 5, 5970-5976. | 5.5 | 9 |
| 34 | Modulating the Dissolution and Mechanical Properties of Resveratrol by Cocrystallization. Crystal Growth and Design, 2017, 17, 3989-3996. | 3.0 | 34 |
| 35 | Solid-State Characterization and Insight into Transformations and Stability of Apatinib Mesylate Solvates. Crystal Growth and Design, 2017, 17, 5994-6005. | 3.0 | 24 |
| 36 | Taming photo-induced oxidation degradation of dihydropyridine drugs through cocrystallization. Chemical Communications, 2017, 53, 12266-12269. | 4.1 | 36 |

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|---|---|---|---|
| 37 | Structure, physicochemical properties and pharmacokinetics of resveratrol and piperine cocrystals. CrystEngComm, 2017, 19, 6154-6163. | 2.6 | 22 |
| 38 | Greener solid-state synthesis: stereo-selective [2 + 2] photodimerization of vitamin K<sub>3</sub>controlled by halogen bonding. CrystEngComm, 2016, 18, 6327-6330. | 2.6 | 14 |
| 39 | Two New Polymorphs of Huperzine A Obtained from Different Dehydration Processes of One Monohydrate. Crystal Growth and Design, 2016, 16, 3535-3542. | 3.0 | 13 |
| 40 | Solid-state characterization of 17Î²-estradiol co-crystals presenting improved dissolution and bioavailability. CrystEngComm, 2016, 18, 3498-3505. | 2.6 | 17 |
| 41 | Mechanochromism triggered fluorescent color switching among polymorphs of a natural fluorescence pigment. Chemical Communications, 2016, 52, 11288-11291. | 4.1 | 39 |
| 42 | pH-Switchable vitamin B<sub>9</sub>gels for stoichiometry-controlled spherical co-crystallization. Chemical Communications, 2016, 52, 13452-13455. | 4.1 | 20 |
| 43 | Absolute asymmetric synthesis of a sanguinarine derivative through crystalâ€“solution interactions. CrystEngComm, 2016, 18, 8834-8837. | 2.6 | 3 |
| 44 | Polymorphs and Hydrates of Apatinib Mesylate: Insight into the Crystal Structures, Properties, and Phase Transformations. Crystal Growth and Design, 2016, 16, 6537-6546. | 3.0 | 20 |
| 45 | Thermodynamic and kinetic investigation of agomelatine polymorph transformation. Pharmaceutical Development and Technology, 2016, 21, 196-203. | 2.4 | 6 |
| 46 | Selective crystallization of vitamin D<sub>3</sub>for the preparation of novel conformational polymorphs with distinctive chemical stability. CrystEngComm, 2016, 18, 1101-1104. | 2.6 | 11 |
| 47 | Drugâ€“drug co-crystallization presents a new opportunity for the development of stable vitamins. Chemical Communications, 2016, 52, 3572-3575. | 4.1 | 56 |
| 48 | Zwitterionic Cocrystals of Flavonoids and Proline: Solid-State Characterization, Pharmaceutical Properties, and Pharmacokinetic Performance. Crystal Growth and Design, 2016, 16, 2348-2356. | 3.0 | 77 |
| 49 | Improving Dissolution and Photostability of Vitamin K3 via Cocrystallization with Naphthoic Acids and Sulfamerazine. Crystal Growth and Design, 2016, 16, 483-492. | 3.0 | 44 |
| 50 | Improving the dissolution and bioavailability of 6-mercaptopurine via co-crystallization with isonicotinamide. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1036-1039. | 2.2 | 36 |
| 51 | Polymorphism observed in dapsoneâ€“flavone cocrystals that present pronounced differences in solubility and stability. CrystEngComm, 2015, 17, 6566-6574. | 2.6 | 31 |
| 52 | Insight into the conformational polymorph transformation of a block-buster multiple sclerosis drug fingolimod hydrochloride (FTY 720). Journal of Pharmaceutical and Biomedical Analysis, 2015, 109, 45-51. | 2.8 | 14 |
| 53 | A new polymorph of 1-hydroxy-2-naphthoic acid obtained during failed co-crystallization experiments. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 119-121. | 1.1 | 4 |
| 54 | Insight into the Phase Transformation among Various Solid Forms of Baicalein. Crystal Growth and Design, 2015, 15, 4959-4968. | 3.0 | 21 |

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|---|---|---|---|
| 55 | Versatile solid modifications of icariin: structure, properties and form transformation. CrystEngComm, 2015, 17, 7500-7509. | 2.6 | 17 |
| 56 | Pharmaceutical cocrystals of the anti-tuberculosis drug pyrazinamide with dicarboxylic and tricarboxylic acids. CrystEngComm, 2015, 17, 747-752. | 2.6 | 50 |
| 57 | Supramolecular structures and physicochemical properties of norfloxacin salts. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 750-760. | 1.1 | 16 |
| 58 | Polymorphism and isomorphism of Huperzine A solvates: structure, properties and form transformation. CrystEngComm, 2014, 16, 1919. | 2.6 | 31 |
| 59 | Stabilizing vitamin D<sub>3</sub>by conformationally selective co-crystallization. Chemical Communications, 2014, 50, 855-858. | 4.1 | 71 |
| 60 | Isostructurality in six celecoxib co-crystals introduced by solvent inclusion. CrystEngComm, 2014, 16, 10959-10968. | 2.6 | 15 |
| 61 | Preparation and Solid-State Characterization of Dapsone Drugâ€“Drug Co-Crystals. Crystal Growth and Design, 2014, 14, 4562-4573. | 3.0 | 75 |
| 62 | Structural and physicochemical aspects of hydrochlorothiazide co-crystals. CrystEngComm, 2014, 16, 6996-7003. | 2.6 | 37 |
| 63 | Solidâ€State Characterization and Transformation of Various Creatine Phosphate Sodium Hydrates. Journal of Pharmaceutical Sciences, 2014, 103, 3688-3695. | 3.3 | 10 |
| 64 | Highly Crystalline Forms of Valsartan with Superior Physicochemical Stability. Crystal Growth and Design, 2013, 13, 3261-3269. | 3.0 | 44 |