

Xuefeng Mei

List of Publications by Year in descending order

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64
papers

1,536
citations

279798

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docs citations

65
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Cocrystals of Baicalein with Higher Solubility and Enhanced Bioavailability. <i>Crystal Growth and Design</i> , 2017, 17, 1893-1901.	3.0	97
2	Zwitterionic Cocrystals of Flavonoids and Proline: Solid-State Characterization, Pharmaceutical Properties, and Pharmacokinetic Performance. <i>Crystal Growth and Design</i> , 2016, 16, 2348-2356.	3.0	77
3	Self-assembled energetic 3D metal-organic framework [Na ₈ (N ₅) ₈ (H ₂ O) ₃] _n based on <i>cyclo-N₅</i> . <i>Dalton Transactions</i> , 2018, 47, 1398-1401.	3.3	76
4	Preparation and Solid-State Characterization of Dapsone Drug Co-Crystals. <i>Crystal Growth and Design</i> , 2014, 14, 4562-4573.	3.0	75
5	Stabilizing vitamin D ₃ by conformationally selective co-crystallization. <i>Chemical Communications</i> , 2014, 50, 855-858.	4.1	71
6	Drug drug co-crystallization presents a new opportunity for the development of stable vitamins. <i>Chemical Communications</i> , 2016, 52, 3572-3575.	4.1	56
7	Amino acids as co-amorphous excipients for tackling the poor aqueous solubility of valsartan. <i>Pharmaceutical Development and Technology</i> , 2017, 22, 69-76.	2.4	51
8	Pharmaceutical cocrystals of the anti-tuberculosis drug pyrazinamide with dicarboxylic and tricarboxylic acids. <i>CrystEngComm</i> , 2015, 17, 747-752.	2.6	50
9	Highly Crystalline Forms of Valsartan with Superior Physicochemical Stability. <i>Crystal Growth and Design</i> , 2013, 13, 3261-3269.	3.0	44
10	Improving Dissolution and Photostability of Vitamin K3 via Cocrystallization with Naphthoic Acids and Sulfamerazine. <i>Crystal Growth and Design</i> , 2016, 16, 483-492.	3.0	44
11	Mechanochromism triggered fluorescent color switching among polymorphs of a natural fluorescence pigment. <i>Chemical Communications</i> , 2016, 52, 11288-11291.	4.1	39
12	Solid-state characterization and solubility enhancement of apremilast drug drug cocrystals. <i>CrystEngComm</i> , 2018, 20, 5945-5948.	2.6	38
13	Machine-Learning-Guided Cocrystal Prediction Based on Large Data Base. <i>Crystal Growth and Design</i> , 2020, 20, 6610-6621.	3.0	38
14	Structural and physicochemical aspects of hydrochlorothiazide co-crystals. <i>CrystEngComm</i> , 2014, 16, 6996-7003.	2.6	37
15	Improving the dissolution and bioavailability of 6-mercaptopurine via co-crystallization with isonicotinamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1036-1039.	2.2	36
16	Taming photo-induced oxidation degradation of dihydropyridine drugs through cocrystallization. <i>Chemical Communications</i> , 2017, 53, 12266-12269.	4.1	36
17	Enhancing the stability of active pharmaceutical ingredients by the cocrystal strategy. <i>CrystEngComm</i> , 2022, 24, 2002-2022.	2.6	36
18	Anisotropic elasticity and plasticity of an organic crystal. <i>Chemical Communications</i> , 2019, 55, 8532-8535.	4.1	35

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19	Modulating the Dissolution and Mechanical Properties of Resveratrol by Cocrystallization. <i>Crystal Growth and Design</i> , 2017, 17, 3989-3996.	3.0	34
20	Polymorphism and isomorphism of Huperzine A solvates: structure, properties and form transformation. <i>CrystEngComm</i> , 2014, 16, 1919.	2.6	31
21	Polymorphism observed in dapsones flavone cocrystals that present pronounced differences in solubility and stability. <i>CrystEngComm</i> , 2015, 17, 6566-6574.	2.6	31
22	Stable Cocrystals and Salts of the Antineoplastic Drug Apatinib with Improved Solubility in Aqueous Solution. <i>Crystal Growth and Design</i> , 2018, 18, 4701-4714.	3.0	28
23	Drug Drug Cocrystals Provide Significant Improvements of Drug Properties in Treatment with Progesterone. <i>Crystal Growth and Design</i> , 2020, 20, 3053-3063.	3.0	28
24	Pharmaceutical Cocrystals of Nicorandil with Enhanced Chemical Stability and Sustained Release. <i>Crystal Growth and Design</i> , 2020, 20, 6995-7005.	3.0	25
25	Solid-State Characterization and Insight into Transformations and Stability of Apatinib Mesylate Solvates. <i>Crystal Growth and Design</i> , 2017, 17, 5994-6005.	3.0	24
26	Structure, physicochemical properties and pharmacokinetics of resveratrol and piperine cocrystals. <i>CrystEngComm</i> , 2017, 19, 6154-6163.	2.6	22
27	Fine-Tuning the Colors of Natural Pigment Emodin with Superior Stability through Cocrystal Engineering. <i>Crystal Growth and Design</i> , 2018, 18, 6123-6132.	3.0	22
28	Insight into the Phase Transformation among Various Solid Forms of Baicalein. <i>Crystal Growth and Design</i> , 2015, 15, 4959-4968.	3.0	21
29	pH-Switchable vitamin B ₉ gels for stoichiometry-controlled spherical co-crystallization. <i>Chemical Communications</i> , 2016, 52, 13452-13455.	4.1	20
30	Polymorphs and Hydrates of Apatinib Mesylate: Insight into the Crystal Structures, Properties, and Phase Transformations. <i>Crystal Growth and Design</i> , 2016, 16, 6537-6546.	3.0	20
31	Study of Crystal Structures, Properties, and Form Transformations among a Polymorph, Hydrates, and Solvates of Apatinib. <i>Crystal Growth and Design</i> , 2019, 19, 3060-3069.	3.0	19
32	Versatile solid modifications of icariin: structure, properties and form transformation. <i>CrystEngComm</i> , 2015, 17, 7500-7509.	2.6	17
33	Solid-state characterization of 17 β -estradiol co-crystals presenting improved dissolution and bioavailability. <i>CrystEngComm</i> , 2016, 18, 3498-3505.	2.6	17
34	RQ3, A Natural Rebaudioside D Isomer, Was Obtained from Glucosylation of Rebaudioside A Catalyzed by the CGTase Toruzyme 3.0 L. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8020-8028.	5.2	17
35	Supramolecular structures and physicochemical properties of norfloxacin salts. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 750-760.	1.1	16
36	Isostructurality in six celecoxib co-crystals introduced by solvent inclusion. <i>CrystEngComm</i> , 2014, 16, 10959-10968.	2.6	15

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37	Insight into the conformational polymorph transformation of a block-buster multiple sclerosis drug fingolimod hydrochloride (FTY 720). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 109, 45-51.	2.8	14
38	Greener solid-state synthesis: stereo-selective [2 + 2] photodimerization of vitamin K ₃ controlled by halogen bonding. <i>CrystEngComm</i> , 2016, 18, 6327-6330.	2.6	14
39	Improving the dissolution behaviors and bioavailability of abiraterone acetate via multicomponent crystal forms. <i>International Journal of Pharmaceutics</i> , 2022, 614, 121460.	5.2	14
40	Two New Polymorphs of Huperzine A Obtained from Different Dehydration Processes of One Monohydrate. <i>Crystal Growth and Design</i> , 2016, 16, 3535-3542.	3.0	13
41	Selective crystallization of vitamin D ₃ for the preparation of novel conformational polymorphs with distinctive chemical stability. <i>CrystEngComm</i> , 2016, 18, 1101-1104.	2.6	11
42	Triamterene-furosemide salt: structural aspects and physicochemical evaluation. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 738-741.	1.1	11
43	Identification of an Overlooked Halogen Bond Synthons and Its Application in Designing Fluorescent Materials. <i>Chemistry - A European Journal</i> , 2019, 25, 6584-6590.	3.3	11
44	Solid-State Characterization and Transformation of Various Creatine Phosphate Sodium Hydrates. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3688-3695.	3.3	10
45	Polymorphism of Triamcinolone Acetonide Acetate and Its Implication for the Morphology Stability of the Finished Drug Product. <i>Crystal Growth and Design</i> , 2017, 17, 3482-3490.	3.0	10
46	Vapor triggered fluorescent color changes among solvates of Emodin. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5970-5976.	5.5	9
47	Improving Compliance and Decreasing Drug Accumulation of Diethylstilbestrol through Cocrystallization. <i>Crystal Growth and Design</i> , 2019, 19, 1942-1953.	3.0	9
48	Improving Dissolution Properties by Polymers and Surfactants: A Case Study of Celastrol. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2860-2868.	3.3	8
49	Improving Stability of Vitamin B5 Through Double Salt Formation. <i>Crystal Growth and Design</i> , 2021, 21, 4997-5005.	3.0	8
50	Cocrystals to tune oily vitamin E into crystal vitamin E. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120057.	5.2	7
51	Comparison of the crystal structures and physicochemical properties of novel resveratrol cocrystals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 1186-1196.	1.1	7
52	Thermodynamic and kinetic investigation of agomelatine polymorph transformation. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 196-203.	2.4	6
53	Isostructural Solvates of Naturally Occurring Allocryptopine Exhibit Both Mechanochromic and Hydrochromic Luminescent Properties. <i>ACS Omega</i> , 2018, 3, 9220-9226.	3.5	5
54	A new polymorph of 1-hydroxy-2-naphthoic acid obtained during failed co-crystallization experiments. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 119-121.	1.1	4

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55	Superior Dissolution Behavior and Bioavailability of Pharmaceutical Cocrystals and Recent Regulatory Issues. ACS Medicinal Chemistry Letters, 2022, 13, 29-37.	2.8	4
56	Absolute asymmetric synthesis of a sanguinarine derivative through crystal-solution interactions. CrystEngComm, 2016, 18, 8834-8837.	2.6	3
57	Cocrystallization in vitamin B ₉ gels to construct stoichiometry-controlled isostructural materials. CrystEngComm, 2018, 20, 1644-1648.	2.6	3
58	Confocal Raman micro-spectral evidence and physicochemical evaluation of triamterene salts. Analyst, The, 2019, 144, 530-535.	3.5	3
59	Different Solid Forms of Vitamin K3 and Their Effect on the Chemical Stability. Crystal Growth and Design, 2021, 21, 528-535.	3.0	3
60	Conformational polymorphs of isotretinoin and their impact on physicochemical and biological properties. International Journal of Pharmaceutics, 2021, 610, 121222.	5.2	3
61	Stabilizing photo-sensitive colchicine through rebalancing electron distribution of the reactive tropolone ring. CrystEngComm, 2021, 23, 30-34.	2.6	2
62	Hydrochromism behaviors of solid forms of chelerythrine hydrochloride. CrystEngComm, 2019, 21, 5915-5921.	2.6	1
63	The axial chirality hidden in vitamin D and its application in cocrystal prediction. CrystEngComm, 2020, 22, 3095-3099.	2.6	0
64	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