Jian-rong Wang

List of Publications by Year
in descending order

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64 papers	1,479 citations	279798 23 h-index	361022 35 g-index
65 all docs	65 docs citations	65 times ranked	1385 citing authors

#	Article	IF	Citations
1	Cocrystals of Baicalein with Higher Solubility and Enhanced Bioavailability. Crystal Growth and Design, 2017, 17, 1893-1901.	3.0	97
2	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
3	Stabilizing vitamin D₃by conformationally selective co-crystallization. Chemical Communications, 2014, 50, 855-858.	4.1	71
4	Drugâ€“drug co-crystallization presents a new opportunity for the development of stable vitamins. Chemical Communications, 2016, 52, 3572-3575.	4.1	56
5	Sarcomililate A, an Unusual Diterpenoid with Tricyclo[11.3.0.0^{2,16}]hexadecane Carbon Skeleton, and Its Potential Biogenetic Precursors from the Hainan Soft Coral Sarcophyton mililatensis. Journal of Organic Chemistry, 2019, 84, 2568-2576.	3.2	53
6	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
7	Pharmaceutical cocrystals of the anti-tuberculosis drug pyrazinamide with dicarboxylic and tricarboxylic acids. CrystEngComm, 2015, 17, 747-752.	2.6	50
8	Highly Crystalline Forms of Valsartan with Superior Physicochemical Stability. Crystal Growth and Design, 2013, 13, 3261-3269.	3.0	44
9	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
10	Mechanochromism triggered fluorescent color switching among polymorphs of a natural fluorescence pigment. Chemical Communications, 2016, 52, 11288-11291.	4.1	39
11	Solid-state characterization and solubility enhancement of apremilast drugâ€“drug cocrystals. CrystEngComm, 2018, 20, 5945-5948.	2.6	38
12	Protolimonoids and norlimonoids from the stem bark of Toona ciliata var. pubescens. Organic and Biomolecular Chemistry, 2011, 9, 7685.	2.8	37
13	Structural and physicochemical aspects of hydrochlorothiazide co-crystals. CrystEngComm, 2014, 16, 6996-7003.	2.6	37
14	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
15	Taming photo-induced oxidation degradation of dihydropyridine drugs through cocrystallization. Chemical Communications, 2017, 53, 12266-12269.	4.1	36
16	Enhancing the stability of active pharmaceutical ingredients by the cocrystal strategy. CrystEngComm, 2022, 24, 2002-2022.	2.6	36
17	Anisotropic elasticity and plasticity of an organic crystal. Chemical Communications, 2019, 55, 8532-8535.	4.1	35
18	Modulating the Dissolution and Mechanical Properties of Resveratrol by Cocrystallization. Crystal Growth and Design, 2017, 17, 3989-3996.	3.0	34

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19	Polymorphism observed in dapsoneâ€“flavone cocrystals that present pronounced differences in solubility and stability. CrystEngComm, 2015, 17, 6566-6574.	2.6	31
20	Sinusiaetone A, an Anti-inflammatory Norditerpenoid with a Bicyclo[11.3.0]hexadecane Nucleus from the Hainan Soft Coral Sinularia siaesensis. Organic Letters, 2021, 23, 5621-5625.	4.6	30
21	Extending the Record of Bis-Î³-pyrone Polypropionates from Marine Pulmonate Mollusks. Journal of Natural Products, 2013, 76, 2065-2073.	3.0	28
22	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
23	Structure and Absolute Stereochemistry of Nortriterpenoids from Schisandra chinensis (Turcz.) Baill. European Journal of Organic Chemistry, 2012, 2012, 5471-5482.	2.4	25
24	Structural diversity of terpenoids in the soft coral Sinularia flexibilis, evidenced by a collection from the South China Sea. RSC Advances, 2015, 5, 23973-23980.	3.6	23
25	Structure, physicochemical properties and pharmacokinetics of resveratrol and piperine cocrystals. CrystEngComm, 2017, 19, 6154-6163.	2.6	22
26	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
27	Insight into the Phase Transformation among Various Solid Forms of Baicalein. Crystal Growth and Design, 2015, 15, 4959-4968.	3.0	21
28	Assignment of Absolute Configuration of Bisâ€Î³â€pyrone Polypropionates from Marine Pulmonate Molluscs. European Journal of Organic Chemistry, 2012, 2012, 1107-1111.	2.4	20
29	pH-Switchable vitamin B₉gels for stoichiometry-controlled spherical co-crystallization. Chemical Communications, 2016, 52, 13452-13455.	4.1	20
30	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
31	Versatile solid modifications of icariin: structure, properties and form transformation. CrystEngComm, 2015, 17, 7500-7509.	2.6	17
32	Solid-state characterization of 17Î²-estradiol co-crystals presenting improved dissolution and bioavailability. CrystEngComm, 2016, 18, 3498-3505.	2.6	17
33	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
34	Sinueretone A, a Diterpenoid with Unprecedented Tricyclo[12.1.0.0^{5,9}]pentadecane Carbon Scaffold from the South China Sea Soft Coral Sinularia erecta. Journal of Organic Chemistry, 2021, 86, 10975-10981.	3.2	17
35	Spiroalanpyrroids A and B, sesquiterpene alkaloids with a unique spiro-eudesmanolideâ€“pyrrolizidine skeleton from Inula helenium. Organic Chemistry Frontiers, 2020, 7, 303-309.	4.5	15
36	Structural and stereochemical studies of five new pregnane steroids from the stem bark of Toona ciliata var. pubescens. Steroids, 2011, 76, 571-576.	1.8	14

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37	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
38	Greener solid-state synthesis: stereo-selective [2 + 2] photodimerization of vitamin K₃controlled by halogen bonding. CrystEngComm, 2016, 18, 6327-6330.	2.6	14
39	Enantioselective [4 + 2] Cycloaddition Reaction of Vinylquinolines with Dienals Enabled by Synergistic Organocatalysis. Organic Letters, 2020, 22, 6061-6066.	4.6	14
40	Selective crystallization of vitamin D₃for the preparation of novel conformational polymorphs with distinctive chemical stability. CrystEngComm, 2016, 18, 1101-1104.	2.6	11
41	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
42	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
43	Polyoxygenated cembranoids from the Hainan soft coral Lobophytum crassum. Tetrahedron, 2021, 90, 132204.	1.9	11
44	Sinucrassins Aâ€”K, Casbaneâ€type Diterpenoids from the South China Sea Soft Coral Sinularia crassa. Chinese Journal of Chemistry, 2021, 39, 2367-2376.	4.9	11
45	Solidâ€State Characterization and Transformation of Various Creatine Phosphate Sodium Hydrates. Journal of Pharmaceutical Sciences, 2014, 103, 3688-3695.	3.3	10
46	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
47	Spiroalanfurantones Aâ€“D, Four Eudesmanolideâ€“Furan Sesquiterpene Adducts with a Pentacyclic 6/6/5/5/5 Skeleton from Inula helenium. Organic Letters, 2019, 21, 9478-9482.	4.6	10
48	New <scp>Cembraneâ€Type</scp> Diterpenoids from the South China Sea Soft Coral Sinularia nanolobata. Chinese Journal of Chemistry, 2022, 40, 28-38.	4.9	10
49	A new highly oxygenated nortriterpenoid from Schisandra chinensis. Journal of Asian Natural Products Research, 2011, 13, 551-555.	1.4	9
50	Chemistry, chemoecology, and bioactivity of the South China Sea opisthobranch molluscs and their dietary organisms. Journal of Asian Natural Products Research, 2013, 15, 185-197.	1.4	9
51	Vapor triggered fluorescent color changes among solvates of Emodin. Journal of Materials Chemistry C, 2017, 5, 5970-5976.	5.5	9
52	Improving Compliance and Decreasing Drug Accumulation of Diethylstilbestrol through Cocrystallization. Crystal Growth and Design, 2019, 19, 1942-1953.	3.0	9
53	Improving Dissolution Properties by Polymers and Surfactants: A Case Study of Celastrol. Journal of Pharmaceutical Sciences, 2018, 107, 2860-2868.	3.3	8
54	Cocrystals to tune oily vitamin E into crystal vitamin E. International Journal of Pharmaceutics, 2021, 592, 120057.	5.2	7

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55	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
56	Isostructural Solvates of Naturally Occurring Allocryptopine Exhibit Both Mechanochromic and Hydrochromic Luminescent Properties. ACS Omega, 2018, 3, 9220-9226.	3.5	5
57	Determination of absolute configuration using heavy atom based co-crystallization method: Halogen atom effects. Journal of Molecular Structure, 2016, 1119, 269-275.	3.6	4
58	Superior Dissolution Behavior and Bioavailability of Pharmaceutical Cocrystals and Recent Regulatory Issues. ACS Medicinal Chemistry Letters, 2022, 13, 29-37.	2.8	4
59	Absolute asymmetric synthesis of a sanguinarine derivative through crystalâ€“solution interactions. CrystEngComm, 2016, 18, 8834-8837.	2.6	3
60	Cocrystallization in vitamin B₉ gels to construct stoichiometry-controlled isostructural materials. CrystEngComm, 2018, 20, 1644-1648.	2.6	3
61	Confocal Raman micro-spectral evidence and physicochemical evaluation of triamterene salts. Analyst, The, 2019, 144, 530-535.	3.5	3
62	Conformational polymorphs of isotretinoin and their impact on physicochemical and biological properties. International Journal of Pharmaceutics, 2021, 610, 121222.	5.2	3
63	Hydrochromism behaviors of solid forms of chelerythrine hydrochloride. CrystEngComm, 2019, 21, 5915-5921.	2.6	1
64	The axial chirality hidden in vitamin D and its application in cocrystal prediction. CrystEngComm, 2020, 22, 3095-3099.	2.6	0