

Jiangtao Jia

List of Publications by Year in descending order

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34
papers

1,691
citations

331670

21
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

2215
citing authors

#	ARTICLE	IF	CITATIONS
1	Unprecedented Ultralow Detection Limit of Amines using a Thiadiazole-Functionalized Zr(IV)-Based Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 7245-7249.	13.7	203
2	Asymmetric pore windows in MOF membranes for natural gas valorization. <i>Nature</i> , 2022, 606, 706-712.	27.8	163
3	Porphyrin Boxes: Rationally Designed Porous Organic Cages. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13241-13244.	13.8	161
4	Enriching the Reticular Chemistry Repertoire: Merged Nets Approach for the Rational Design of Intricate Mixed-Linker Metal-Organic Framework Platforms. <i>Journal of the American Chemical Society</i> , 2018, 140, 8858-8867.	13.7	129
5	A highly porous medical metal-organic framework constructed from bioactive curcumin. <i>Chemical Communications</i> , 2015, 51, 5774-5777.	4.1	120
6	Electrochemical synthesis of continuous metal-organic framework membranes for separation of hydrocarbons. <i>Nature Energy</i> , 2021, 6, 882-891.	39.5	115
7	Covalent Organic Frameworks as Negative Electrodes for High-Performance Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001673.	19.5	107
8	A novel low density metal-organic framework with pcu topology by dendritic ligand. <i>Chemical Communications</i> , 2011, 47, 9167.	4.1	63
9	Access to Highly Efficient Energy Transfer in Metal-Organic Frameworks via Mixed Linkers Approach. <i>Journal of the American Chemical Society</i> , 2020, 142, 8580-8584.	13.7	62
10	Highly porous and robust ionic MOFs with nia topology constructed by connecting an octahedral ligand and a trigonal prismatic metal cluster. <i>Chemical Communications</i> , 2012, 48, 6010.	4.1	55
11	Solvent-Induced Single Crystal To Single Crystal Transformation and Complete Metal Exchange of a Pyrene-Based Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2014, 14, 1738-1743.	3.0	51
12	Growth of large single MOF crystals and effective separation of organic dyes. <i>CrystEngComm</i> , 2013, 15, 4094.	2.6	50
13	Extremely Hydrophobic POPs to Access Highly Porous Storage Media and Capturing Agent for Organic Vapors. <i>CheM</i> , 2019, 5, 180-191.	11.7	42
14	Fluorescent Dodecapus in 3D Framework. <i>Crystal Growth and Design</i> , 2014, 14, 4258-4261.	3.0	41
15	The Adsorption and Simulated Separation of Light Hydrocarbons in Isoreticular Metal-Organic Frameworks Based on Dendritic Ligands with Different Aliphatic Side Chains. <i>Chemistry - A European Journal</i> , 2014, 20, 9073-9080.	3.3	40
16	Syntheses, structures and luminescence properties of three metal-organic frameworks based on 5-(4-(2H-tetrazol-5-yl)phenoxy)isophthalic acid. <i>CrystEngComm</i> , 2014, 16, 339-343.	2.6	39
17	A spontaneously resolved zinc-organic framework with nonlinear optical and ferroelectric properties generated from tetrazolate-ethyl ester ligand. <i>CrystEngComm</i> , 2010, 12, 3499.	2.6	33
18	Made-to-order porous electrodes for supercapacitors: MOFs embedded with redox-active centers as a case study. <i>Chemical Communications</i> , 2020, 56, 1883-1886.	4.1	31

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19	Using Dissolution and Pharmacokinetics Studies of Crystal Form to Optimize the Original Iloperidone. <i>Crystal Growth and Design</i> , 2013, 13, 5261-5266.	3.0	23
20	Metal-Organic Frameworks in Mixed-Matrix Membranes for High-Speed Visible-Light Communication. <i>Journal of the American Chemical Society</i> , 2022, 144, 6813-6820.	13.7	23
21	Fabrication of triazine-based Porous Aromatic Framework (PAF) membrane with structural flexibility for gas mixtures separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 373-379.	5.8	21
22	Trigonal prism or octahedron: the conformational change of a dendritic six-node ligand in MOFs. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10112.	10.3	20
23	Dissolution and pharmacokinetic properties of two paliperidone cocrystals with 4-hydroxybenzoic and 4-aminobenzoic acid. <i>CrystEngComm</i> , 2014, 16, 7667.	2.6	14
24	Synthesis, characterization and dissolution of three pharmaceutical cocrystals based on deferiprone. <i>Journal of Molecular Structure</i> , 2016, 1108, 560-566.	3.6	13
25	Carbonization of covalent triazine-based frameworks via ionic liquid induction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15564-15568.	10.3	13
26	Mixed-integer Linear Programming Formulation for Short-term Scheduling of Cascaded Hydroelectric Plants with Pumped-storage Units. <i>Electric Power Components and Systems</i> , 2013, 41, 1456-1468.	1.8	10
27	Directional Exciton Migration in Benzoimidazole-Based Metal-Organic Frameworks. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4917-4927.	4.6	10
28	Three pharmaceuticals cocrystals of adefovir: Syntheses, structures and dissolution study. <i>Journal of Molecular Structure</i> , 2015, 1100, 395-400.	3.6	9
29	Syntheses and pharmacokinetics properties of an iloperidone pharmaceutical cocrystal. <i>Inorganic Chemistry Communication</i> , 2014, 39, 144-146.	3.9	8
30	Reticular Chemistry for the Construction of Highly Porous Aluminum-Based Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2022, 61, 10661-10666.	4.0	8
31	Ultrafast Aggregation-Induced Tunable Emission Enhancement in a Benzothiadiazole-Based Fluorescent Metal-Organic Framework Linker. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13298-13308.	2.6	5
32	Three metal-organic coordination polymers constructed by 1,4-bis(1,2,4-triazol-1-ylmethyl)benzene. <i>Journal of Molecular Structure</i> , 2013, 1047, 338-343.	3.6	4
33	Design and Synthesis of a Metal-organic Framework with nia Topology. <i>Acta Chimica Sinica</i> , 2013, 71, 1492.	1.4	4
34	Unusual design strategy for a stable and soluble high-molecular-weight copper(II) arylacetylide polymer. <i>Chemical Communications</i> , 2021, 57, 12004-12007.	4.1	1