Mei-Hui Yu

List of Publications by Year
in descending order

26	969	471509 17	580821 25
papers	citations	h-index	g-index

26	26	26	988
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Gas Uptake in a Microporous Metalâ€“Organic Framework via a Sorbate Induced-Fit Mechanism. Journal of the American Chemical Society, 2019, 141, 17703-17712.	13.7	152
2	Metalâ€“Organicâ€Frameworkâ€Based Photocatalysts Optimized by Spatially Separated Cocatalysts for Overall Water Splitting. Advanced Materials, 2020, 32, e2004747.	21.0	142
3	A metalâ€“organic framework as a â€œturn onâ€•fluorescent sensor for aluminum ions. Inorganic Chemistry Frontiers, 2017, 4, 256-260.	6.0	127
4	Construction of a Multi-Cage-Based MOF with a Unique Network for Efficient CO₂ Capture. ACS Applied Materials & Interfaces, 2017, 9, 26177-26183.	8.0	75
5	High Proton Conduction in Two Co^{II} and Mn^{II} Anionic Metalâ€“Organic Frameworks Derived from 1,3,5-Benzenetricarboxylic Acid. Crystal Growth and Design, 2016, 16, 6776-6780.	3.0	73
6	Tinâ€Based Chiral Perovskites with Secondâ€Order Nonlinear Optical Properties. Advanced Photonics Research, 2021, 2, 2100056.	3.6	30
7	Metal-organic materials with triazine-based ligands: From structures to properties and applications. Coordination Chemistry Reviews, 2021, 427, 213518.	18.8	29
8	A unique 3D microporous MOF constructed by cross-linking 1D coordination polymer chains for effectively selective separation of CO2/CH4 and C2H2/CH4. Chinese Chemical Letters, 2021, 32, 1153-1156.	9.0	28
9	Crystal engineering of a rectangular sql coordination network to enable xylenes selectivity over ethylbenzene. Chemical Science, 2020, 11, 6889-6895.	7.4	26
10	Self-Interpenetrated Water-Stable Microporous Metalâ€“Organic Framework toward Storage and Purification of Light Hydrocarbons. Inorganic Chemistry, 2021, 60, 2749-2755.	4.0	26
11	Two Luminescent High-Nuclearity Lanthanide Clusters Ln₄₈ (Ln = Eu and Tb) with a Nanopillar Structure. Crystal Growth and Design, 2020, 20, 5294-5301.	3.0	24
12	A Highly Efficient Luminescent Metalâ€“Organic Framework with Strong Conjugate Unit for Sensing Small Molecules. Chinese Journal of Chemistry, 2022, 40, 1305-1312.	4.9	24
13	Two new metalâ€“organic frameworks based on tetrazoleâ€“heterocyclic ligands accompanied by in situ ligand formation. Dalton Transactions, 2017, 46, 3223-3228.	3.3	23
14	Luminescent coordination polymers constructed using a mixed-ligand strategy for highly selective luminescence sensing of nitrobenzene, Fe³⁺ and Cr₂O₇^{2â^’} ions and photodegradation of rhodamine B. CrystEngComm, 2020, 22, 4650-4664.	2.6	21
15	A metalâ€“organic framework-derived Zn_{1â^’x}Cd_xS/CdS heterojunction for efficient visible light-driven photocatalytic hydrogen production. Dalton Transactions, 2021, 50, 6064-6070.	3.3	21
16	A fluorescence red-shift and turn-on sensor for acetylacetone derived from Zn^{II}-based metalâ€“organic framework with new topology. CrystEngComm, 2021, 23, 2532-2537.	2.6	21
17	Mechanical and acoustic properties of a hybrid organicâ€“inorganic perovskite, TMCM-CdCl3, with large piezoelectricity. APL Materials, 2020, 8, 101106.	5.1	20
18	Defective Hierarchical Pore Engineering of a Znâ€“Ni MOF by Labile Coordination Bonding Modulation. Inorganic Chemistry, 2021, 60, 5122-5130.	4.0	19

#	Article	IF	Citations
19	Highly stable Zn-MOF with Lewis basic nitrogen sites for selective sensing of Fe³⁺ and Cr₂O₇^{2â^'} ions in aqueous systems. Journal of Coordination Chemistry, 2020, 73, 2718-2727.	2.2	17
20	A metalâ€“organic framework featuring highly sensitive fluorescence sensing for Al³⁺ ions. CrystEngComm, 2021, 23, 8087-8092.	2.6	14
21	A Hexanuclear Cadmium Metalâ€“Organic Framework Exhibiting Dual Mechanisms to Trigger a Fluorescenceâ€Quenching Response toward Iron(III) Ions. European Journal of Inorganic Chemistry, 2018, 2018, 1068-1072.	2.0	13
22	Rational Construction of Breathing Metalâ€“Organic Frameworks through Synergy of a Stretchy Ligand and Highly Variable Ï€â€“Ï€ Interaction. ACS Applied Materials & Interfaces, 2019, 11, 20995-21003.	8.0	13
23	Structural tuning of Zn(<scp>ii</scp>)-MOFs based on pyrazole functionalized carboxylic acid ligands for organic dye adsorption. CrystEngComm, 2020, 22, 5941-5945.	2.6	13
24	Ammonium Sulfate Structure-Type Hybrid Metal Halide Ferroelectric with Giant Uniaxial Spontaneous Strain. , 2022, 4, 1168-1173.		9
25	Modulation of Hierarchical Pores in Metalâ€“Organic Frameworks for Improved Dye Adsorption and Electrocatalytic Performance. Inorganic Chemistry, 2022, 61, 5800-5812.	4.0	5
26	Two porous Ni-MOFs based on 2,4,6-tris(pyridin-4-yl)-1,3,5-triazine showing solvent determined structures and distinctive sorption properties toward CO₂ and alkanes. Dalton Transactions, 2021, 50, 5244-5250.	3.3	4