

# Mei-Hui Yu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4579366/publications.pdf>

Version: 2024-02-01

26  
papers

969  
citations

471509

17  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Efficient Luminescent Metal-Organic Framework with Strong Conjugate Unit for Sensing Small Molecules. Chinese Journal of Chemistry, 2022, 40, 1305-1312.	4.9	24
2	Modulation of Hierarchical Pores in Metal-Organic Frameworks for Improved Dye Adsorption and Electrocatalytic Performance. Inorganic Chemistry, 2022, 61, 5800-5812.	4.0	5
3	Ammonium Sulfate Structure-Type Hybrid Metal Halide Ferroelectric with Giant Uniaxial Spontaneous Strain. , 2022, 4, 1168-1173.		9
4	Metal-organic materials with triazine-based ligands: From structures to properties and applications. Coordination Chemistry Reviews, 2021, 427, 213518.	18.8	29
5	A unique 3D microporous MOF constructed by cross-linking 1D coordination polymer chains for effectively selective separation of CO <sub>2</sub> /CH <sub>4</sub> and C <sub>2</sub> H <sub>2</sub> /CH <sub>4</sub> . Chinese Chemical Letters, 2021, 32, 1153-1156.	9.0	28
6	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 CO <sub>2</sub> and alkanes. Dalton Transactions, 2021, 50, 5244-5250.	3.3	4
7	A metal-organic framework-derived Zn <sub>1-x</sub> Cd <sub>x</sub> S/CdS heterojunction for efficient visible light-driven photocatalytic hydrogen production. Dalton Transactions, 2021, 50, 6064-6070.	3.3	21
8	Self-Interpenetrated Water-Stable Microporous Metal-Organic Framework toward Storage and Purification of Light Hydrocarbons. Inorganic Chemistry, 2021, 60, 2749-2755.	4.0	26
9	Defective Hierarchical Pore Engineering of a Zn-Ni MOF by Labile Coordination Bonding Modulation. Inorganic Chemistry, 2021, 60, 5122-5130.	4.0	19
10	Ti-Based Chiral Perovskites with Second-Order Nonlinear Optical Properties. Advanced Photonics Research, 2021, 2, 2100056.	3.6	30
11	A fluorescence red-shift and turn-on sensor for acetylacetone derived from Zn <sup>II</sup> -based metal-organic framework with new topology. CrystEngComm, 2021, 23, 2532-2537.	2.6	21
12	A metal-organic framework featuring highly sensitive fluorescence sensing for Al <sup>3+</sup> ions. CrystEngComm, 2021, 23, 8087-8092.	2.6	14
13	Structural tuning of Zn( <i>scp</i> )-MOFs based on pyrazole functionalized carboxylic acid ligands for organic dye adsorption. CrystEngComm, 2020, 22, 5941-5945.	2.6	13
14	Highly stable Zn-MOF with Lewis basic nitrogen sites for selective sensing of Fe <sup>3+</sup> and Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> ions in aqueous systems. Journal of Coordination Chemistry, 2020, 73, 2718-2727.	2.2	17
15	Metal-Organic Framework-Based Photocatalysts Optimized by Spatially Separated Cocatalysts for Overall Water Splitting. Advanced Materials, 2020, 32, e2004747.	21.0	142
16	Mechanical and acoustic properties of a hybrid organic-inorganic perovskite, TMCM-CdCl <sub>3</sub> , with large piezoelectricity. APL Materials, 2020, 8, 101106.	5.1	20
17	Luminescent coordination polymers constructed using a mixed-ligand strategy for highly selective luminescence sensing of nitrobenzene, Fe <sup>3+</sup> and Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> ions and photodegradation of rhodamine B. CrystEngComm, 2020, 22, 4650-4664.	2.6	21
18	Crystal engineering of a rectangular $\sqrt{2} \times \sqrt{2} \times 1$ coordination network to enable xylenes selectivity over ethylbenzene. Chemical Science, 2020, 11, 6889-6895.	7.4	26

#	ARTICLE	IF	CITATIONS
19	Two Luminescent High-Nuclearity Lanthanide Clusters Ln <sub>48</sub> (Ln = Eu and Tb) with a Nanopillar Structure. <i>Crystal Growth and Design</i> , 2020, 20, 5294-5301.	3.0	24
20	Enhanced Gas Uptake in a Microporous Metal-Organic Framework <i>via</i> a Sorbate Induced-Fit Mechanism. <i>Journal of the American Chemical Society</i> , 2019, 141, 17703-17712.	13.7	152
21	Rational Construction of Breathing Metal-Organic Frameworks through Synergy of a Stretchy Ligand and Highly Variable $\pi$ - $\pi$ Interaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20995-21003.	8.0	13
22	A Hexanuclear Cadmium Metal-Organic Framework Exhibiting Dual Mechanisms to Trigger a Fluorescence-Quenching Response toward Iron(III) Ions. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1068-1072.	2.0	13
23	Two new metal-organic frameworks based on tetrazole-heterocyclic ligands accompanied by in situ ligand formation. <i>Dalton Transactions</i> , 2017, 46, 3223-3228.	3.3	23
24	A metal-organic framework as a $\alpha$ -turn on fluorescent sensor for aluminum ions. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 256-260.	6.0	127
25	Construction of a Multi-Cage-Based MOF with a Unique Network for Efficient CO <sub>2</sub> Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26177-26183.	8.0	75
26	High Proton Conduction in Two Co <sup>II</sup> and Mn <sup>II</sup> Anionic Metal-Organic Frameworks Derived from 1,3,5-Benzenetricarboxylic Acid. <i>Crystal Growth and Design</i> , 2016, 16, 6776-6780.	3.0	73