

Haohan Wu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

4,384
citations

304743

22
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

4992
citing authors

#	ARTICLE	IF	CITATIONS
1	A Luminescent Microporous Metal-Organic Framework for the Fast and Reversible Detection of High Explosives. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2334-2338.	13.8	1,168
2	Commensurate Adsorption of Hydrocarbons and Alcohols in Microporous Metal Organic Frameworks. <i>Chemical Reviews</i> , 2012, 112, 836-868.	47.7	985
3	Enhanced Binding Affinity, Remarkable Selectivity, and High Capacity of CO ₂ by Dual Functionalization of a <i>zr</i> -Type Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1412-1415.	13.8	430
4	Tuning the Gate Opening Pressure of Metal-Organic Frameworks (MOFs) for the Selective Separation of Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2012, 134, 15201-15204.	13.7	278
5	Enhancing Gas Adsorption and Separation Capacity through Ligand Functionalization of Microporous Metal-Organic Framework Structures. <i>Chemistry - A European Journal</i> , 2011, 17, 5101-5109.	3.3	176
6	Highly Selective CO ₂ Capture by a Flexible Microporous Metal-Organic Framework (MMOF) Material. <i>Chemistry - A European Journal</i> , 2010, 16, 13951-13954.	3.3	167
7	A flexible MMOF exhibiting high selectivity for CO ₂ over N ₂ , CH ₄ and other small gases. <i>Chemical Communications</i> , 2010, 46, 9152.	4.1	111
8	â„PM3: A Multifunctional Microporous MOF with Recyclable Framework and High H ₂ Binding Energy. <i>Inorganic Chemistry</i> , 2009, 48, 7165-7173.	4.0	109
9	Understanding the Preferential Adsorption of CO ₂ over N ₂ in a Flexible Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 12849-12857.	13.7	103
10	On the Synthesis and Adsorption Properties of Single-Unit-Cell Hierarchical Zeolites Made by Rotational Intergrowths. <i>Advanced Functional Materials</i> , 2014, 24, 201-208.	14.9	101
11	A high connectivity metal-organic framework with exceptional hydrogen and methane uptake capacities. <i>Chemical Science</i> , 2012, 3, 3032.	7.4	75
12	Cu-TDPAT, an <i>ir</i> -Type Dual-Functional Metal-Organic Framework Offering Significant Potential for Use in H ₂ and Natural Gas Purification Processes Operating at High Pressures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16609-16618.	3.1	68
13	Molecular Hydrogen π - π Pairing Interaction in a Metal Organic Framework System with Unsaturated Metal Centers (MOF-74). <i>Journal of the American Chemical Society</i> , 2010, 132, 14834-14848.	13.7	61
14	Synthesis and Structural Characterization of a 3-D Lithium Based Metal-Organic Framework Showing Dynamic Structural Behavior. <i>Crystal Growth and Design</i> , 2010, 10, 2801-2805.	3.0	55
15	Anionic Gallium-Based Metal-Organic Framework and Its Sorption and Ion-Exchange Properties. <i>Inorganic Chemistry</i> , 2011, 50, 208-212.	4.0	53
16	Encapsulated recyclable porous materials: an effective moisture-triggered fragrance release system. <i>Chemical Communications</i> , 2013, 49, 5724.	4.1	45
17	Spectroscopic Evidence for the Influence of the Benzene Sites on Tightly Bound H ₂ in Metal-Organic Frameworks with Unsaturated Metal Centers: MOF-74-Cobalt. <i>Journal of the American Chemical Society</i> , 2011, 133, 4782-4784.	13.7	38
18	Effect of temperature on hydrogen and carbon dioxide adsorption hysteresis in an ultramicroporous MOF. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 186-189.	4.4	35

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19	Spectroscopic characterization of van der Waals interactions in a metal organic framework with unsaturated metal centers: MOF-74â€“Mg. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 424203.	1.8	32
20	Direct structural evidence of commensurate-to-incommensurate transition of hydrocarbon adsorption in a microporous metal organic framework. <i>Chemical Science</i> , 2016, 7, 759-765.	7.4	24
21	Effect of Time, Temperature, and Kinetics on the Hysteretic Adsorptionâ€“Desorption of H ₂ , Ar, and N ₂ in the Metalâ€“Organic Framework Zn ₂ (bpdca) ₂ (bpee). <i>Langmuir</i> , 2011, 27, 14169-14179.	3.5	23
22	Location and stability of europium in calcium sulfate and its relevance to rare earth recovery from phosphogypsum waste. <i>American Mineralogist</i> , 2016, 101, 1854-1861.	1.9	21
23	An investigation of structural and hydrogen adsorption properties of microporous metal organic framework (MMOF) materials. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10473-10478.	7.1	13
24	Zeolites: On the Synthesis and Adsorption Properties of Single-Unit-Cell Hierarchical Zeolites Made by Rotational Intergrowths (<i>Adv. Funct. Mater.</i> 2/2014). <i>Advanced Functional Materials</i> , 2014, 24, 200-200.	14.9	2
25	Inside Cover: Highly Selective CO ₂ Capture by a Flexible Microporous Metal-Organic Framework (MMOF) Material (<i>Chem. Eur. J.</i> 47/2010). <i>Chemistry - A European Journal</i> , 2010, 16, 13882-13882.	3.3	1