Haohan Wu

List of Publications by Year
in descending order

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	Location and stability of europium in calcium sulfate and its relevance to rare earth recovery from phosphogypsum waste. American Mineralogist, 2016, 101, 1854-1861.	1.9	21
2	Direct structural evidence of commensurate-to-incommensurate transition of hydrocarbon adsorption in a microporous metal organic framework. Chemical Science, 2016, 7, 759-765.	7.4	24
3	Effect of temperature on hydrogen and carbon dioxide adsorption hysteresis in an ultramicroporous MOF. Microporous and Mesoporous Materials, 2016, 219, 186-189.	4.4	35
4	Zeolites: On the Synthesis and Adsorption Properties of Single-Unit-Cell Hierarchical Zeolites Made by Rotational Intergrowths (Adv. Funct. Mater. 2/2014). Advanced Functional Materials, 2014, 24, 200-200.	14.9	2
5	On the Synthesis and Adsorption Properties of Singleâ€Unitâ€Cell Hierarchical Zeolites Made by Rotational Intergrowths. Advanced Functional Materials, 2014, 24, 201-208.	14.9	101
6	Encapsulated recyclable porous materials: an effective moisture-triggered fragrance release system. Chemical Communications, 2013, 49, 5724.	4.1	45
7	Cu-TDPAT, an rht-Type Dual-Functional Metalâ€“Organic Framework Offering Significant Potential for Use in H₂ and Natural Gas Purification Processes Operating at High Pressures. Journal of Physical Chemistry C, 2012, 116, 16609-16618.	3.1	68
8	Tuning the Gate Opening Pressure of Metalâ€“Organic Frameworks (MOFs) for the Selective Separation of Hydrocarbons. Journal of the American Chemical Society, 2012, 134, 15201-15204.	13.7	278
9	An investigation of structural and hydrogen adsorption properties of microporous metal organic framework (MMOF) materials. International Journal of Hydrogen Energy, 2012, 37, 10473-10478.	7.1	13
10	Spectroscopic characterization of van der Waals interactions in a metal organic framework with unsaturated metal centers: MOF-74â€“Mg. Journal of Physics Condensed Matter, 2012, 24, 424203.	1.8	32
11	A high connectivity metalâ€“organic framework with exceptional hydrogen and methane uptake capacities. Chemical Science, 2012, 3, 3032.	7.4	75
12	Commensurate Adsorption of Hydrocarbons and Alcohols in Microporous Metal Organic Frameworks. Chemical Reviews, 2012, 112, 836-868.	47.7	985
13	Enhanced Binding Affinity, Remarkable Selectivity, and High Capacity of CO₂ by Dual Functionalization of a rhtâ€Type Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2012, 51, 1412-1415.	13.8	430
14	Spectroscopic Evidence for the Influence of the Benzene Sites on Tightly Bound H₂ in Metalâ^'Organic Frameworks with Unsaturated Metal Centers: MOF-74-Cobalt. Journal of the American Chemical Society, 2011, 133, 4782-4784.	13.7	38
15	Anionic Gallium-Based Metalâ^'Organic Framework and Its Sorption and Ion-Exchange Properties. Inorganic Chemistry, 2011, 50, 208-212.	4.0	53
16	Effect of Time, Temperature, and Kinetics on the Hysteretic Adsorptionâ€“Desorption of H₂, Ar, and N₂ in the Metalâ€“Organic Framework Zn₂(bpdc)₂(bpee). Langmuir, 2011, 27, 14169-14179.	3.5	23
17	Understanding the Preferential Adsorption of CO₂ over N₂ in a Flexible Metalâ€“Organic Framework. Journal of the American Chemical Society, 2011, 133, 12849-12857.	13.7	103
18	Enhancing Gas Adsorption and Separation Capacity through Ligand Functionalization of Microporous Metalâ€“Organic Framework Structures. Chemistry - A European Journal, 2011, 17, 5101-5109.	3.3	176

#	Article	IF	Citations
19	Highly Selective CO₂ Capture by a Flexible Microporous Metalâ€“Organic Framework (MMOF) Material. Chemistry - A European Journal, 2010, 16, 13951-13954.	3.3	167
20	Inside Cover: Highly Selective CO2 Capture by a Flexible Microporous Metal-Organic Framework (MMOF) Material (Chem. Eur. J. 47/2010). Chemistry - A European Journal, 2010, 16, 13882-13882.	3.3	1
21	Synthesis and Structural Characterization of a 3-D Lithium Based Metalâ'Organic Framework Showing Dynamic Structural Behavior. Crystal Growth and Design, 2010, 10, 2801-2805.	3.0	55
22	Molecular Hydrogen â€œPairingâ€•Interaction in a Metal Organic Framework System with Unsaturated Metal Centers (MOF-74). Journal of the American Chemical Society, 2010, 132, 14834-14848.	13.7	61
23	A flexible MMOF exhibiting high selectivity for CO2 over N2, CH4 and other small gases. Chemical Communications, 2010, 46, 9152.	4.1	111
24	A Luminescent Microporous Metalâ€“Organic Framework for the Fast and Reversible Detection of High Explosives. Angewandte Chemie - International Edition, 2009, 48, 2334-2338.	13.8	1,168
25	â„PM3: A Multifunctional Microporous MOF with Recyclable Framework and High H2 Binding Energy. Inorganic Chemistry, 2009, 48, 7165-7173.	4.0	109