

Bo Xiao

List of Publications by Year in descending order

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18
papers

3,300
citations

471509

17
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

3847
citing authors

#	ARTICLE	IF	CITATIONS
1	Hysteretic Adsorption and Desorption of Hydrogen by Nanoporous Metal-Organic Frameworks. <i>Science</i> , 2004, 306, 1012-1015.	12.6	1,128
2	High-Capacity Hydrogen and Nitric Oxide Adsorption and Storage in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2007, 129, 1203-1209.	13.7	546
3	Exceptional Behavior over the Whole Adsorption-Storage-Delivery Cycle for NO in Porous Metal Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2008, 130, 10440-10444.	13.7	391
4	NO-Releasing Zeolites and Their Antithrombotic Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 502-509.	13.7	230
5	Metal organic frameworks as NO delivery materials for biological applications. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 330-334.	4.4	209
6	Chemically blockable transformation and ultrasensitive low-pressure gas adsorption in a non-porous metal organic framework. <i>Nature Chemistry</i> , 2009, 1, 289-294.	13.6	190
7	Protecting group and switchable pore-discriminating adsorption properties of a hydrophilic-hydrophobic metal-organic framework. <i>Nature Chemistry</i> , 2011, 3, 304-310.	13.6	141
8	NO-loaded Zn ²⁺ -exchanged zeolite materials: A potential bifunctional anti-bacterial strategy. <i>Acta Biomaterialia</i> , 2010, 6, 1515-1521.	8.3	93
9	In Situ Single-Crystal Diffraction Studies of the Structural Transition of Metal-Organic Framework Copper 5-Sulfisophthalate, Cu-SIP-3. <i>Journal of the American Chemical Society</i> , 2010, 132, 3605-3611.	13.7	90
10	Exceptional function of nanoporous metal organic framework particles in emulsion stabilisation. <i>Chemical Communications</i> , 2013, 49, 8208.	4.1	61
11	Nanoporous metal organic framework materials for hydrogen storage. <i>Particuology</i> , 2009, 7, 129-140.	3.6	51
12	Encapsulation of phase change materials using rice-husk-char. <i>Applied Energy</i> , 2016, 182, 274-281.	10.1	49
13	Ethyne-Reducing Metal-Organic Frameworks to Control Fabrications of Core/shell Nanoparticles as Catalysts. <i>ACS Catalysis</i> , 2018, 8, 7120-7130.	11.2	28
14	Functionalised solids delivering bioactive nitric oxide gas for therapeutic applications. <i>Materials Today Communications</i> , 2017, 12, 95-105.	1.9	22
15	From non-porous crystalline to amorphous microporous metal(IV) bisphosphonates. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 322-336.	4.4	21
16	Simultaneous Gas Storage and Catalytic Gas Production Using Zeolites-A New Concept for Extending Lifetime Gas Delivery. <i>Topics in Catalysis</i> , 2009, 52, 35-41.	2.8	20
17	The adsorption, storage and release of nitric oxide using ion exchanged zeolites. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 902-909.	1.5	17
18	Simultaneous and cooperative gas storage and gas production using bifunctional zeolites. <i>Chemical Communications</i> , 2008, , 6146.	4.1	13