

Weibin Liang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,482
citations

471371

17
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752573

20
g-index

21
all docs

21
docs citations

21
times ranked

2651
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Frameworks for Cell and Virus Biology: A Perspective. ACS Nano, 2018, 12, 13-23.	7.3	214
2	Defect engineering of UiO-66 for CO ₂ and H ₂ O uptake – a combined experimental and simulation study. Dalton Transactions, 2016, 45, 4496-4500.	1.6	171
3	Surface functionalized UiO-66/Pebax-based ultrathin composite hollow fiber gas separation membranes. Journal of Materials Chemistry A, 2018, 6, 918-931.	5.2	151
4	Control of Structure Topology and Spatial Distribution of Biomacromolecules in Protein@ZIF-8 Biocomposites. Chemistry of Materials, 2018, 30, 1069-1077.	3.2	146
5	Photoresponsive spiropyran-functionalised MOF-808: postsynthetic incorporation and light dependent gas adsorption properties. Journal of Materials Chemistry A, 2016, 4, 10816-10819.	5.2	114
6	Microwave-assisted solvothermal synthesis of zirconium oxide based metal-organic frameworks. Chemical Communications, 2013, 49, 3706.	2.2	108
7	Tuning pore size in a zirconium-tricarboxylate metal-organic framework. CrystEngComm, 2014, 16, 6530-6533.	1.3	84
8	Cu-Based Nanocatalysts for CO ₂ Hydrogenation to Methanol. Energy & Fuels, 2021, 35, 8558-8584.	2.5	74
9	Microwave-Assisted Solvothermal Synthesis and Optical Properties of Tagged MIL-140A Metal-Organic Frameworks. Inorganic Chemistry, 2013, 52, 12878-12880.	1.9	72
10	Linking defects, hierarchical porosity generation and desalination performance in metal-organic frameworks. Chemical Science, 2018, 9, 3508-3516.	3.7	65
11	Metal-Organic Framework Thin Films on High-Curvature Nanostructures Toward Tandem Electrocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 31225-31232.	4.0	57
12	Biogenic synthesis of photocatalytically active Ag/TiO ₂ and Au/TiO ₂ composites. Green Chemistry, 2012, 14, 968.	4.6	49
13	Tuning the cavities of zirconium-based MIL-140 frameworks to modulate CO ₂ adsorption. Chemical Communications, 2015, 51, 11286-11289.	2.2	47
14	Site Isolation Leads to Stable Photocatalytic Reduction of CO ₂ over a Rhenium-Based Catalyst. Chemistry - A European Journal, 2015, 21, 18576-18579.	1.7	30
15	The first example of a zirconium-oxide based metal-organic framework constructed from monocarboxylate ligands. Dalton Transactions, 2015, 44, 1516-1519.	1.6	26
16	Improved CO ₂ Hydrogenation on Ni-ZnO/MCM-41 Catalysts with Cooperative Ni and ZnO Sites. Energy & Fuels, 2020, 34, 16320-16329.	2.5	20
17	Concentration-Dependent Binding of CO ₂ and CD ₄ in UiO-66(Zr). Journal of Physical Chemistry C, 2015, 119, 6980-6987.	1.5	19
18	Insights into the Interaction between Immobilized Biocatalysts and Metal-Organic Frameworks: A Case Study of PCN-333. JACS Au, 2021, 1, 2172-2181.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Facile size and shape control of templated Au nanoparticles under microwave irradiation. <i>Materials Letters</i> , 2011, 65, 2307-2310.	1.3	12
20	Correlation and Improvement of Bimetallic Electronegativity on Metal-Organic Frameworks for Electrocatalytic Water Oxidation. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100055.	2.8	8
21	Response to Comment on "Improved CO ₂ Hydrogenation on Ni-ZnO/MCM-41 Catalysts with Cooperative Ni and ZnO Sites". <i>Energy & Fuels</i> , 2021, 35, 8438-8440.	2.5	0