

Xiaokun Pei

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,875
citations

394286

19
h-index

642610

23
g-index

26
all docs

26
docs citations

26
times ranked

4096
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Active and Stable Single-Atom Cu Catalysts Supported by a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 5201-5210.	6.6	361
2	Bioinspired Metal-Organic Framework Catalysts for Selective Methane Oxidation to Methanol. <i>Journal of the American Chemical Society</i> , 2018, 140, 18208-18216.	6.6	301
3	Crystalline Dioxin-Linked Covalent Organic Frameworks from Irreversible Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 12715-12719.	6.6	289
4	Evolution of water structures in metal-organic frameworks for improved atmospheric water harvesting. <i>Science</i> , 2021, 374, 454-459.	6.0	281
5	A Metal-Organic Framework of Organic Vertices and Polyoxometalate Linkers as a Solid-State Electrolyte. <i>Journal of the American Chemical Society</i> , 2019, 141, 17522-17526.	6.6	216
6	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3419-3423.	7.2	201
7	Shaping of Metal-Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. <i>Journal of the American Chemical Society</i> , 2016, 138, 10810-10813.	6.6	178
8	Three-Dimensional Phthalocyanine Metal-Catecholates for High Electrochemical Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 17081-17085.	6.6	165
9	Urea-Linked Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 16438-16441.	6.6	140
10	Carbon Dioxide Capture Chemistry of Amino Acid Functionalized Metal-Organic Frameworks in Humid Flue Gas. <i>Journal of the American Chemical Society</i> , 2022, 144, 2387-2396.	6.6	122
11	Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2016, 34, 175-185.	2.6	116
12	Multistep Solid-State Organic Synthesis of Carbamate-Linked Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 11253-11258.	6.6	92
13	Linking Molybdenum-Sulfur Clusters for Electrocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2018, 140, 13618-13622.	6.6	78
14	Large Cages of Zeolitic Imidazolate Frameworks. <i>Accounts of Chemical Research</i> , 2022, 55, 707-721.	7.6	71
15	Coordinative Alignment in the Pores of MOFs for the Structural Determination of N-, S-, and P-Containing Organic Compounds Including Complex Chiral Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 18862-18869.	6.6	49
16	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. <i>Chinese Journal of Chemistry</i> , 2016, 34, 157-174.	2.6	42
17	Architectural Stabilization of a Gold(III) Catalyst in Metal-Organic Frameworks. <i>CheM</i> , 2020, 6, 142-152.	5.8	39
18	Ionic Conduction Mechanism and Design of Metal-Organic Framework Based Quasi-Solid-State Electrolytes. <i>Journal of the American Chemical Society</i> , 2022, 144, 13446-13450.	6.6	33

#	ARTICLE	IF	CITATIONS
19	Entanglement of Square Nets in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 1539-1544.	6.6	26
20	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie</i> , 2016, 128, 3480-3484.	1.6	22
21	A Tale of Copper Coordination Frameworks: Controlled Single-Crystal-to-Single-Crystal Transformations and Their Catalytic C-H Bond Activation Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 13894-13899.	1.7	20
22	Source of Rate Acceleration for Carbocation Cyclization in Biomimetic Supramolecular Cages. <i>Journal of the American Chemical Society</i> , 2022, 144, 11413-11424.	6.6	15
23	Casting Nanoporous Platinum in Metal-Organic Frameworks. <i>Advanced Materials</i> , 2019, 31, e1807553.	11.1	13
24	Design of MOFs with Absolute Structures: A Case Study. <i>Israel Journal of Chemistry</i> , 0, , .	1.0	5