Wenhan Guo

List of Publications by Year
in descending order

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36 papers	5,810 citations	201674 27 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	8315 citing authors

#	Article	IF	Citations
1	Hierarchically porous metal hydroxide/metalâ€“organic framework composite nanoarchitectures as broad-spectrum adsorbents for toxic chemical filtration. Journal of Colloid and Interface Science, 2022, 606, 272-285.	9.4	7
2	Covalent organic framework-based materials for energy applications. Energy and Environmental Science, 2021, 14, 688-728.	30.8	209
3	Understanding the lattice nitrogen stability and deactivation pathways of cubic CrN nanoparticles in the electrochemical nitrogen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 8568-8575.	10.3	12
4	Rationalized atomic/clusters dispersion of Fe/Se/Al on interconnected N-doped carbon nanofibers for fast sodiation. Chemical Engineering Journal, 2021, 411, 128420.	12.7	5
5	In situ/operando vibrational spectroscopy for the investigation of advanced nanostructured electrocatalysts. Coordination Chemistry Reviews, 2021, 436, 213824.	18.8	52
6	Enhanced Adsorption and Mass Transfer of Hierarchically Porous Zr-MOF Nanoarchitectures toward Toxic Chemical Removal. ACS Applied Materials & Interfaces, 2021, 13, 58848-58861.	8.0	15
7	Metalâ€“Organic Framework-Based Materials for Energy Conversion and Storage. ACS Energy Letters, 2020, 5, 520-532.	17.4	312
8	Antiperovskite Intermetallic Nanoparticles for Enhanced Oxygen Reduction. Angewandte Chemie - International Edition, 2020, 59, 1871-1877.	13.8	31
9	Fabrication of Hollow CoP/TiO_x Heterostructures for Enhanced Oxygen Evolution Reaction. Small, 2020, 16, e1905075.	10.0	117
10	Solid-solution alloy nanoclusters of the immiscible gold-rhodium system achieved by a solid ligand-assisted approach for highly efficient catalysis. Nano Research, 2020, 13, 105-111.	10.4	23
11	Antiperovskite Intermetallic Nanoparticles for Enhanced Oxygen Reduction. Angewandte Chemie, 2020, 132, 1887-1893.	2.0	4
12	Metalâ€organic frameworkâ€derived Fe/Cuâ€substituted Co nanoparticles embedded in CNTsâ€grafted carbon polyhedron for Znâ€air batteries. , 2020, 2, 283-293.		95
13	Pressure-induced phase transitions and superconductivity in a quasiâ€“1-dimensional topological crystalline insulator Î±-Bi ₄ Br ₄. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17696-17700.	7.1	36
14	Highly efficient K-Fe/C catalysts derived from metal-organic frameworks towards ammonia synthesis. Nano Research, 2019, 12, 2341-2347.	10.4	30
15	Metal-organic framework based nanomaterials for electrocatalytic oxygen redox reaction. Science China Chemistry, 2019, 62, 417-429.	8.2	51
16	Electrochemical nitrogen fixation and utilization: theories, advanced catalyst materials and system design. Chemical Society Reviews, 2019, 48, 5658-5716.	38.1	541
17	Highly exposed ruthenium-based electrocatalysts from bimetallic metal-organic frameworks for overall water splitting. Nano Energy, 2019, 58, 1-10.	16.0	181
18	Ultrafast Sodium/Potassiumâ€Ion Intercalation into Hierarchically Porous Thin Carbon Shells. Advanced Materials, 2019, 31, e1805430.	21.0	214

#	Article	IF	Citations
19	Titanium-based metalâ€“organic frameworks for photocatalytic applications. Coordination Chemistry Reviews, 2018, 359, 80-101.	18.8	246
20	MOF-derived Î±-NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. Journal of Materials Chemistry A, 2018, 6, 4003-4012.	10.3	231
21	A Universal Strategy for Hollow Metal Oxide Nanoparticles Encapsulated into B/N Coâ€Doped Graphitic Nanotubes as Highâ€Performance Lithiumâ€Ion Battery Anodes. Advanced Materials, 2018, 30, 1705441.	21.0	345
22	Tailoring biomass-derived carbon for high-performance supercapacitors from controllably cultivated algae microspheres. Journal of Materials Chemistry A, 2018, 6, 1523-1530.	10.3	104
23	Pristine Metalâ€“Organic Frameworks and their Composites for Energy Storage and Conversion. Advanced Materials, 2018, 30, e1702891.	21.0	525
24	Fe₂N/S/N Codecorated Hierarchical Porous Carbon Nanosheets for Trifunctional Electrocatalysis. Small, 2018, 14, e1803500.	10.0	80
25	Unraveling a novel ferroelectric GeSe phase and its transformation into a topological crystalline insulator under high pressure. NPG Asia Materials, 2018, 10, 882-887.	7.9	27
26	Hierarchical Cobalt Phosphide Hollow Nanocages toward Electrocatalytic Ammonia Synthesis under Ambient Pressure and Room Temperature. Small Methods, 2018, 2, 1800204.	8.6	171
27	Tuning Expanded Pores in Metalâ€“Organic Frameworks for Selective Capture and Catalytic Conversion of Carbon Dioxide. ChemSusChem, 2018, 11, 3751-3757.	6.8	47
28	Metalâ€“Organic Frameworks Derived Cobalt Phosphide Architecture Encapsulated into B/N Coâ€Doped Graphene Nanotubes for All pH Value Electrochemical Hydrogen Evolution. Advanced Energy Materials, 2017, 7, 1601671.	19.5	336
29	Fabrication of Co₃O₄ nanoparticles in thin porous carbon shells from metalâ€“organic frameworks for enhanced electrochemical performance. RSC Advances, 2017, 7, 13340-13346.	3.6	55
30	High-Performance Energy Storage and Conversion Materials Derived from a Single Metalâ€“Organic Framework/Graphene Aerogel Composite. Nano Letters, 2017, 17, 2788-2795.	9.1	348
31	Hydrogen Evolution: Metalâ€“Organic Frameworks Derived Cobalt Phosphide Architecture Encapsulated into B/N Coâ€Doped Graphene Nanotubes for All pH Value Electrochemical Hydrogen Evolution (Adv. Energy Mater. 9/2017). Advanced Energy Materials, 2017, 7, .	19.5	3
32	Highly dispersed Co-based Fischerâ€“Tropsch synthesis catalysts from metalâ€“organic frameworks. Journal of Materials Chemistry A, 2017, 5, 8081-8086.	10.3	132
33	Kineticâ€Controlled Formation of Bimetallic Metalâ€“Organic Framework Hybrid Structures. Small, 2017, 13, 1702049.	10.0	69
34	Metalâ€Organic Frameworkâ€Based Nanomaterials for Electrocatalysis. Advanced Energy Materials, 2016, 6, 1600423.	19.5	539
35	Well-defined carbon polyhedrons prepared from nano metalâ€“organic frameworks for oxygen reduction. Journal of Materials Chemistry A, 2014, 2, 11606-11613.	10.3	461
36	Functional Zeoliticâ€Imidazolateâ€Frameworkâ€Templated Porous Carbon Materials for CO₂ Capture and Enhanced Capacitors. Chemistry - an Asian Journal, 2013, 8, 1879-1885.	3.3	131