Feng Hu

List of Publications by Year
in descending order

31 papers	2,620 citations	257450 24 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	3313 citing authors

#	Article	IF	Citations
1	Urchin-like CoP Nanocrystals as Hydrogen Evolution Reaction and Oxygen Reduction Reaction Dual-Electrocatalyst with Superior Stability. Nano Letters, 2015, 15, 7616-7620.	9.1	425
2	Dualâ€Sites Coordination Engineering of Single Atom Catalysts for Flexible Metalâ€“Air Batteries. Advanced Energy Materials, 2021, 11, 2101242.	19.5	247
3	Electronic Modulation Caused by Interfacial Niâ€Oâ€M (M=Ru, Ir, Pd) Bonding for Accelerating Hydrogen Evolution Kinetics. Angewandte Chemie - International Edition, 2021, 60, 22276-22282.	13.8	182
4	Interfacial electronic coupling of ultrathin transition-metal hydroxide nanosheets with layered MXenes as a new prototype for platinum-like hydrogen evolution. Energy and Environmental Science, 2021, 14, 6419-6427.	30.8	154
5	Coâ€Nâ€Doped Mesoporous Carbon Hollow Spheres as Highly Efficient Electrocatalysts for Oxygen Reduction Reaction. Small, 2017, 13, 1602507.	10.0	143
6	Latticeâ€Matching Formed Mesoporous Transition Metal Oxide Heterostructures Advance Water Splitting by Active Feâ€“Oâ€“Cu Bridges. Advanced Energy Materials, 2022, 12, .	19.5	139
7	Subâ€2 nm Thiophosphate Nanosheets with Heteroatom Doping for Enhanced Oxygen Electrocatalysis. Advanced Functional Materials, 2021, 31, 2100618.	14.9	133
8	Double-Walled Au Nanocage/SiO₂Nanorattles: Integrating SERS Imaging, Drug Delivery and Photothermal Therapy. Small, 2015, 11, 985-993.	10.0	120
9	Real-time in vivo visualization of tumor therapy by a near-infrared-II Ag2S quantum dot-based theranostic nanoplatform. Nano Research, 2015, 8, 1637-1647.	10.4	113
10	1.82 wt.% Pt/N, P co-doped carbon overwhelms 20 wt.% Pt/C as a high-efficiency electrocatalyst for hydrogen evolution reaction. Nano Research, 2017, 10, 238-246.	10.4	106
11	Engineered Multifunctional Nanomedicine for Simultaneous Stereotactic Chemotherapy and Inhibited Osteolysis in an Orthotopic Model of Bone Metastasis. Advanced Materials, 2017, 29, 1605754.	21.0	99
12	In-situ formation of Co1â^'xS hollow polyhedrons anchored on multichannel carbon nanofibers as self-supporting anode for lithium/sodium-ion batteries. Chemical Engineering Journal, 2021, 421, 127755.	12.7	98
13	Heterointerface Engineering of Hierarchically Assembling Layered Double Hydroxides on Cobalt Selenide as Efficient Trifunctional Electrocatalysts for Water Splitting and Zincâ€Air Battery. Advanced Science, 2022, 9, e2104522.	11.2	79
14	Dualâ€Active Sites Engineering of Nâ€Doped Hollow Carbon Nanocubes Confining Bimetal Alloys as Bifunctional Oxygen Electrocatalysts for Flexible Metalâ€“Air Batteries. Small, 2021, 17, e2007239.	10.0	71
15	Controlled synthesis of porous spinel cobalt manganese oxides as efficient oxygen reduction reaction electrocatalysts. Nano Research, 2016, 9, 207-213.	10.4	56
16	Hierarchical Ti₃C₂T_x MXene/Carbon Nanotubes for Low Overpotential and Long-Life Li-CO₂ Batteries. ACS Nano, 2021, 15, 8407-8417.	14.6	54
17	Multi-dimensional hierarchical CoS2@MXene as trifunctional electrocatalysts for zinc-air batteries and overall water splitting. Science China Materials, 2021, 64, 1127-1138.	6.3	44
18	Quantifying Electrocatalytic Reduction of CO2 on Twin Boundaries. CheM, 2020, 6, 3007-3021.	11.7	41

#	Article	IF	Citations
19	Self-supported N-doped NiSe2 hierarchical porous nanoflake arrays for efficient oxygen electrocatalysis in flexible zinc-air batteries. Chemical Engineering Journal, 2020, 401, 126088.	12.7	40
20	Atomic-scale Pt clusters decorated on porous Î±-Ni(OH)2 nanowires as highly efficient electrocatalyst for hydrogen evolution reaction. Science China Materials, 2017, 60, 1121-1128.	6.3	39
21	Single-layer carbon-coated FeCo alloy nanoparticles embedded in single-walled carbon nanotubes for high oxygen electrocatalysis. Chemical Communications, 2020, 56, 6842-6845.	4.1	36
22	Electronic Modulation Caused by Interfacial Niâ€Oâ€M (M=Ru, Ir, Pd) Bonding for Accelerating Hydrogen Evolution Kinetics. Angewandte Chemie, 2021, 133, 22450-22456.	2.0	33
23	Recent Progress of Electrospun Nanofibers for Zincâ€“Air Batteries. Advanced Fiber Materials, 2022, 4, 185-202.	16.1	33
24	Clusters Induced Electron Redistribution to Tune Oxygen Reduction Activity of Transition Metal Singleâ€Atom for Metalâ€“Air Batteries. Angewandte Chemie, 2022, 134, e202116068.	2.0	32
25	Hierarchical FeC/MnO2 composite with in-situ grown CNTs as an advanced trifunctional catalyst for water splitting and Metalâ^'Air batteries. Ceramics International, 2021, 47, 18424-18432.	4.8	27
26	In situ construction of thiol-silver interface for selectively electrocatalytic CO2 reduction. Nano Research, 2022, 15, 3283-3289.	10.4	22
27	MoS₂ Nanosheets Functionalized Multichannel Hollow Mo₂N/Carbon Nanofibers as a Robust Bifunctional Catalyst for Water Electrolysis. ACS Sustainable Chemistry and Engineering, 2020, 8, 14179-14189.	6.7	19
28	Electronic modulation of cobaltâ€“molybdenum oxideviaTe doping embedded in a carbon matrix for superior overall water splitting. Inorganic Chemistry Frontiers, 2022, 9, 3788-3796.	6.0	17
29	Plasma-Treated Ultrathin Ternary FePSe₃ Nanosheets as a Bifunctional Electrocatalyst for Efficient Zincâ€“Air Batteries. ACS Applied Materials & Interfaces, 2020, 12, 29393-29403.	8.0	10
30	Hierarchical Fe 3 Câ^'Mo 2 Câ^'Carbon Hybrid Electrocatalysts Promoted through a Strong Chargeâ€Transfer Effect. ChemSusChem, 2020, 13, 5280-5287.	6.8	6
31	Ligand and temperature effects of porous palladium nanoparticle ensembles with grain boundaries for highly efficient electrocatalytic CO2 reduction. Journal of Materials Science, 2022, 57, 7276-7289.	3.7	2