Biao Zhang

List of Publications by Year
in descending order

14 papers	525 citations	840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	596 citing authors

#	Article	IF	Citations
1	High-Valent Nickel Promoted by Atomically Embedded Copper for Efficient Water Oxidation. ACS Catalysis, 2020, 10, 9725-9734.	11.2	100
2	Engineering the Active Sites of Graphene Catalyst: From CO₂ Activation to Activate Li-CO₂ Batteries. ACS Nano, 2021, 15, 9841-9850.	14.6	71
3	Experimental and theoretical investigation of reconstruction and active phases on honeycombed Ni3N-Co3N/C in water splitting. Applied Catalysis B: Environmental, 2021, 297, 120461.	20.2	62
4	Electronic reconfiguration of Co₂P induced by Cu doping enhancing oxygen reduction reaction activity in zincâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 21232-21243.	10.3	46
5	An in-plane Co₉S₈@MoS₂ heterostructure for the hydrogen evolution reaction in alkaline media. Nanoscale, 2019, 11, 21479-21486.	5.6	42
6	Engineering the electronic structure of 1Tâ€²-ReS₂ through nitrogen implantation for enhanced alkaline hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 11607-11616.	10.3	39
7	Accelerating water dissociation kinetics on Ni3S2 nanosheets by P-induced electronic modulation. Journal of Catalysis, 2020, 381, 493-500.	6.2	37
8	Strongly coupled hollow-oxide/phosphide hybrid coated with nitrogen-doped carbon as highly efficient electrocatalysts in alkaline for hydrogen evolution reaction. Journal of Catalysis, 2019, 377, 582-588.	6.2	35
9	A hybrid Co NPs@CNT nanocomposite as highly efficient electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2020, 507, 145155.	6.1	34
10	Vanadium carbide nanodots anchored on N doped carbon nanosheets fabricated by spatially confined synthesis as a high-efficient electrocatalyst for hydrogen evolution reaction. Journal of Power Sources, 2021, 490, 229551.	7.8	21
11	Graphite Carbon Nanosheet-Coated Cobalt-Doped Molybdenum Carbide Nanoparticles for Efficient Alkaline Hydrogen Evolution Reaction. ACS Applied Nano Materials, 2021, 4, 372-380.	5.0	16
12	Atomic-scale intercalation of amorphous MoS2 nanoparticles into N-doped carbon as a highly efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 27193-27201.	7.1	11
13	Electronic Reconfiguration of Metal Rhenium Induced by Strong Metalâ€“Support Interaction Enhancing the Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100545.	3.7	8
14	Anionic and Cationic Co-Substitutions of S into Vertically Aligned WTe₂ Nanosheets as Catalysis for Hydrogen Evolution under Alkaline Conditions. ACS Applied Nano Materials, 2022, 5, 7123-7131.	5.0	3