Bo-Wei Zhang

List of Publications by Year
in descending order

30 papers	1,588 citations	361413 20 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	2791 citing authors

#	Article	IF	Citations
1	Bimetallic (FexNi1â^'x)2P nanoarrays as exceptionally efficient electrocatalysts for oxygen evolution in alkaline and neutral media. Nano Energy, 2017, 38, 553-560.	16.0	220
2	Fluoride-Induced Dynamic Surface Self-Reconstruction Produces Unexpectedly Efficient Oxygen-Evolution Catalyst. Nano Letters, 2019, 19, 530-537.	9.1	210
3	Defect-Rich 2D Material Networks for Advanced Oxygen Evolution Catalysts. ACS Energy Letters, 2019, 4, 328-336.	17.4	148
4	An alkaline electro-activated Feâ€“Ni phosphide nanoparticle-stack array for high-performance oxygen evolution under alkaline and neutral conditions. Journal of Materials Chemistry A, 2017, 5, 13329-13335.	10.3	135
5	Integrating Rh Species with NiFe-Layered Double Hydroxide for Overall Water Splitting. Nano Letters, 2020, 20, 136-144.	9.1	129
6	Hierarchical FeNiP@Ultrathin Carbon Nanoflakes as Alkaline Oxygen Evolution and Acidic Hydrogen Evolution Catalyst for Efficient Water Electrolysis and Organic Decomposition. ACS Applied Materials & Interfaces, 2018, 10, 8739-8748.	8.0	112
7	Novel ZnO nanoparticles modified WO3 nanosheet arrays for enhanced photocatalytic properties under solar light illumination. Applied Surface Science, 2019, 463, 363-373.	6.1	52
8	Redox-Active Hydrogel Polymer Electrolytes with Different pH Values for Enhancing the Energy Density of the Hybrid Solid-State Supercapacitor. ACS Applied Materials & Interfaces, 2017, 9, 44429-44440.	8.0	46
9	Boosting hydrogen evolution activity in alkaline media with dispersed ruthenium clusters in NiCo-layered double hydroxide. Electrochemistry Communications, 2019, 101, 23-27.	4.7	46
10	Growth of Fe 2 O 3 /SnO 2 nanobelt arrays on iron foil for efficient photocatalytic degradation of methylene blue. Chemical Physics Letters, 2017, 673, 1-6.	2.6	44
11	Plasmonic Photoelectrocatalysis in Copperâ€“Platinum Coreâ€“Shell Nanoparticle Lattices. Nano Letters, 2021, 21, 1523-1529.	9.1	44
12	Enzyme-free glucose sensing based on Fe3O4 nanorod arrays. Mikrochimica Acta, 2015, 182, 1811-1818.	5.0	43
13	Ni-Mn bimetallic oxide nanosheets as high-performance electrode materials for asymmetric supercapacitors. Journal of Energy Storage, 2019, 25, 100897.	8.1	39
14	A two-step anodic method to fabricate self-organised nanopore arrays on stainless steel. Applied Surface Science, 2015, 351, 1161-1168.	6.1	38
15	An investigation of Fe incorporation on the activity and stability of homogeneous (FexNi1-x)2P solid solutions as electrocatalysts for alkaline hydrogen evolution. Electrochimica Acta, 2019, 294, 297-303.	5.2	35
16	Morphologically tailored nano-structured MoS2 catalysts via introduction of Ni and Co ions for enhanced HER activity. Applied Surface Science, 2020, 516, 146094.	6.1	32
17	Venus flytrap-like hierarchical NiCoMnâ€“O@NiMoO4@C nanosheet arrays as free-standing core-shell electrode material for hybrid supercapacitor with high electrochemical performance. Journal of Power Sources, 2020, 477, 228977.	7.8	30
18	Defective carbon nanotube forest grown on stainless steel encapsulated in MnO2 nanosheets for supercapacitors. Electrochimica Acta, 2018, 278, 61-71.	5.2	29

#	Article	IF	Citations
19	Hydrothermal synthesis of CdS nanorods anchored on Î±-Fe2O3 nanotube arrays with enhanced visible-light-driven photocatalytic properties. Journal of Colloid and Interface Science, 2018, 514, 496-506.	9.4	28
20	Turning Ni-based hydroxide into an efficient hydrogen evolution electrocatalyst by fluoride incorporation. Electrochemistry Communications, 2018, 86, 108-112.	4.7	20
21	Hydrothermal synthesis of WO3/Fe2O3 nanosheet arrays on iron foil for photocatalytic degradation of methylene blue. Journal of Materials Science: Materials in Electronics, 2017, 28, 10481-10487.	2.2	18
22	Rational design of photoelectrodes for photoelectrochemical water splitting and CO2 reduction. Frontiers of Physics, 2019, 14, 1.	5.0	16
23	Efficient Solar-to-Thermal Energy Conversion and Storage with High-Thermal-Conductivity and Form-Stabilized Phase Change Composite Based on Wood-Derived Scaffolds. Energies, 2019, 12, 1283.	3.1	13
24	Electrochemical analysis of ascorbic acid and uric acid on defect-engineered carbon nanotube networks with increased exposure of graphitic edge planes. Electrochemistry Communications, 2018, 93, 20-24.	4.7	12
25	Mechanistic insights into interfaces and nitrogen vacancies in cobalt hydroxide/tungsten nitride catalysts to enhance alkaline hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 11323-11330.	10.3	12
26	Insertion of Platinum Nanoparticles into MoS2 Nanoflakes for Enhanced Hydrogen Evolution Reaction. Materials, 2018, 11, 1520.	2.9	10
27	Enhanced performance of multilayer graphene platelet film via three dimensional configuration with efficient exposure of graphitic edge planes. Electrochemistry Communications, 2014, 47, 75-79.	4.7	9
28	Ag nanowire-modified 1D Î±-Fe2O3 nanotube arrays for photocatalytic degradation of methylene blue. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	9
29	Cytotoxicity effects of three-dimensional graphene in NIH-3T3 fibroblasts. RSC Advances, 2016, 6, 45093-45102.	3.6	7
30	Enzymeâ€free Glucose Sensor Fabricated by Nanorods Decorated Nanopore Arrays on Biomedical Stainless Steel. Electroanalysis, 2016, 28, 794-799.	2.9	2