

Bo-Wei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,588
citations

361413

20
h-index

454955

30
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31
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31
docs citations

31
times ranked

2791
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Mechanistic insights into interfaces and nitrogen vacancies in cobalt hydroxide/tungsten nitride catalysts to enhance alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11323-11330. | 10.3 | 12 |
| 2 | Plasmonic Photoelectrocatalysis in Copper-Platinum Core-Shell Nanoparticle Lattices. <i>Nano Letters</i> , 2021, 21, 1523-1529. | 9.1 | 44 |
| 3 | Integrating Rh Species with NiFe-Layered Double Hydroxide for Overall Water Splitting. <i>Nano Letters</i> , 2020, 20, 136-144. | 9.1 | 129 |
| 4 | Venus flytrap-like hierarchical NiCoMnO@NiMoO ₄ @C nanosheet arrays as free-standing core-shell electrode material for hybrid supercapacitor with high electrochemical performance. <i>Journal of Power Sources</i> , 2020, 477, 228977. | 7.8 | 30 |
| 5 | Morphologically tailored nano-structured MoS ₂ catalysts via introduction of Ni and Co ions for enhanced HER activity. <i>Applied Surface Science</i> , 2020, 516, 146094. | 6.1 | 32 |
| 6 | Novel ZnO nanoparticles modified WO ₃ nanosheet arrays for enhanced photocatalytic properties under solar light illumination. <i>Applied Surface Science</i> , 2019, 463, 363-373. | 6.1 | 52 |
| 7 | Rational design of photoelectrodes for photoelectrochemical water splitting and CO ₂ reduction. <i>Frontiers of Physics</i> , 2019, 14, 1. | 5.0 | 16 |
| 8 | Ni-Mn bimetallic oxide nanosheets as high-performance electrode materials for asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2019, 25, 100897. | 8.1 | 39 |
| 9 | Boosting hydrogen evolution activity in alkaline media with dispersed ruthenium clusters in NiCo-layered double hydroxide. <i>Electrochemistry Communications</i> , 2019, 101, 23-27. | 4.7 | 46 |
| 10 | Efficient Solar-to-Thermal Energy Conversion and Storage with High-Thermal-Conductivity and Form-Stabilized Phase Change Composite Based on Wood-Derived Scaffolds. <i>Energies</i> , 2019, 12, 1283. | 3.1 | 13 |
| 11 | Defect-Rich 2D Material Networks for Advanced Oxygen Evolution Catalysts. <i>ACS Energy Letters</i> , 2019, 4, 328-336. | 17.4 | 148 |
| 12 | An investigation of Fe incorporation on the activity and stability of homogeneous (Fe _x Ni _{1-x}) ₂ P solid solutions as electrocatalysts for alkaline hydrogen evolution. <i>Electrochimica Acta</i> , 2019, 294, 297-303. | 5.2 | 35 |
| 13 | Fluoride-Induced Dynamic Surface Self-Reconstruction Produces Unexpectedly Efficient Oxygen-Evolution Catalyst. <i>Nano Letters</i> , 2019, 19, 530-537. | 9.1 | 210 |
| 14 | Hierarchical FeNiP@Ultrathin Carbon Nanoflakes as Alkaline Oxygen Evolution and Acidic Hydrogen Evolution Catalyst for Efficient Water Electrolysis and Organic Decomposition. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8739-8748. | 8.0 | 112 |
| 15 | Hydrothermal synthesis of CdS nanorods anchored on Fe ₃ O ₄ nanotube arrays with enhanced visible-light-driven photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 496-506. | 9.4 | 28 |
| 16 | Turning Ni-based hydroxide into an efficient hydrogen evolution electrocatalyst by fluoride incorporation. <i>Electrochemistry Communications</i> , 2018, 86, 108-112. | 4.7 | 20 |
| 17 | Insertion of Platinum Nanoparticles into MoS ₂ Nanoflakes for Enhanced Hydrogen Evolution Reaction. <i>Materials</i> , 2018, 11, 1520. | 2.9 | 10 |
| 18 | Electrochemical analysis of ascorbic acid and uric acid on defect-engineered carbon nanotube networks with increased exposure of graphitic edge planes. <i>Electrochemistry Communications</i> , 2018, 93, 20-24. | 4.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Defective carbon nanotube forest grown on stainless steel encapsulated in MnO ₂ nanosheets for supercapacitors. <i>Electrochimica Acta</i> , 2018, 278, 61-71. | 5.2 | 29 |
| 20 | Growth of Fe ₂ O ₃ /SnO ₂ nanobelt arrays on iron foil for efficient photocatalytic degradation of methylene blue. <i>Chemical Physics Letters</i> , 2017, 673, 1-6. | 2.6 | 44 |
| 21 | Hydrothermal synthesis of WO ₃ /Fe ₂ O ₃ nanosheet arrays on iron foil for photocatalytic degradation of methylene blue. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10481-10487. | 2.2 | 18 |
| 22 | Bimetallic (Fe _x Ni _{1-x}) ₂ P nanoarrays as exceptionally efficient electrocatalysts for oxygen evolution in alkaline and neutral media. <i>Nano Energy</i> , 2017, 38, 553-560. | 16.0 | 220 |
| 23 | An alkaline electro-activated Fe-Ni phosphide nanoparticle-stack array for high-performance oxygen evolution under alkaline and neutral conditions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13329-13335. | 10.3 | 135 |
| 24 | Redox-Active Hydrogel Polymer Electrolytes with Different pH Values for Enhancing the Energy Density of the Hybrid Solid-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44429-44440. | 8.0 | 46 |
| 25 | Ag nanowire-modified 1D Fe ₂ O ₃ nanotube arrays for photocatalytic degradation of methylene blue. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1. | 1.9 | 9 |
| 26 | Enzyme-free Glucose Sensor Fabricated by Nanorods Decorated Nanopore Arrays on Biomedical Stainless Steel. <i>Electroanalysis</i> , 2016, 28, 794-799. | 2.9 | 2 |
| 27 | Cytotoxicity effects of three-dimensional graphene in NIH-3T3 fibroblasts. <i>RSC Advances</i> , 2016, 6, 45093-45102. | 3.6 | 7 |
| 28 | Enzyme-free glucose sensing based on Fe ₃ O ₄ nanorod arrays. <i>Mikrochimica Acta</i> , 2015, 182, 1811-1818. | 5.0 | 43 |
| 29 | A two-step anodic method to fabricate self-organised nanopore arrays on stainless steel. <i>Applied Surface Science</i> , 2015, 351, 1161-1168. | 6.1 | 38 |
| 30 | Enhanced performance of multilayer graphene platelet film via three dimensional configuration with efficient exposure of graphitic edge planes. <i>Electrochemistry Communications</i> , 2014, 47, 75-79. | 4.7 | 9 |