

Faqi Zhan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,077
citations

361413

20
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1527
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Evolution of Structure and Properties of Micro-Nano Structure 2507 Duplex Stainless Steel Prepared by Aluminothermic Reduction. <i>Crystals</i> , 2022, 12, 848. | 2.2 | 2 |
| 2 | Reduced mesoporous Co ₃ O ₄ nanowires grown on 3D graphene as efficient catalysts for oxygen reduction and binder-free electrodes in aluminum-air batteries. <i>Journal of Materials Science</i> , 2021, 56, 3861-3873. | 3.7 | 7 |
| 3 | Surfactant-assisted controlled synthesis of a metal-organic framework on Fe ₂ O ₃ nanorod for boosted photoelectrochemical water oxidation. <i>Chemical Engineering Journal</i> , 2020, 379, 122256. | 12.7 | 64 |
| 4 | Ultrathin Co ₃ O ₄ nanosheet clusters anchored on nitrogen doped carbon nanotubes/3D graphene as binder-free cathodes for Al-air battery. <i>Chemical Engineering Journal</i> , 2020, 381, 122681. | 12.7 | 49 |
| 5 | Î±-Fe ₂ O ₃ nanoarrays photoanodes decorated with Ni-MOFs for enhancing photoelectrochemical water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28836-28846. | 7.1 | 28 |
| 6 | Î³-ray induced formation of oxygen vacancies and Ti ³⁺ defects in anatase TiO ₂ for efficient photocatalytic organic pollutant degradation. <i>Science of the Total Environment</i> , 2020, 747, 141533. | 8.0 | 53 |
| 7 | Modulating Charge Transfer Efficiency of Hematite Photoanode with Hybrid Dual-Metal-Organic Frameworks for Boosting Photoelectrochemical Water Oxidation. <i>Advanced Science</i> , 2020, 7, 2002563. | 11.2 | 56 |
| 8 | High power density Al-air batteries with commercial three-dimensional aluminum foam anode. <i>Ionics</i> , 2020, 26, 5045-5054. | 2.4 | 10 |
| 9 | Boosting Photoelectrochemical Performance of BiVO ₄ through Photoassisted Self-Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 4403-4410. | 5.1 | 28 |
| 10 | Oxygen-Deficient Nanofiber WO ₃ /WO ₃ Homojunction Photoanodes Synthesized via a Novel Metal Self-Reducing Method. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39951-39960. | 8.0 | 32 |
| 11 | Three-dimensional Composite Catalysts for Al-O ₂ Batteries Composed of CoMn ₂ O ₄ Nanoneedles Supported on Nitrogen-Doped Carbon Nanotubes/Graphene. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21526-21535. | 8.0 | 42 |
| 12 | In Situ Formation of WO ₃ -Based Heterojunction Photoanodes with Abundant Oxygen Vacancies via a Novel Microbattery Method. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15467-15477. | 8.0 | 39 |
| 13 | Ultrafast fabrication of nanostructure WO ₃ photoanodes by hybrid microwave annealing with enhanced photoelectrochemical and photoelectrocatalytic activities. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8770-8778. | 7.1 | 16 |
| 14 | Facile Synthesis of FeOOH Quantum Dots Modified ZnO Nanorods Films via a Metal-Solating Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7789-7798. | 6.7 | 31 |
| 15 | Ce-doped CdS quantum dot sensitized TiO ₂ nanorod films with enhanced visible-light photoelectrochemical properties. <i>Applied Surface Science</i> , 2018, 455, 476-483. | 6.1 | 52 |
| 16 | S-C ₃ N ₄ Quantum Dot Decorated ZnO Nanorods to Improve Their Photoelectrochemical Performance. <i>Nano</i> , 2017, 12, 1750064. | 1.0 | 13 |
| 17 | In situ Sn-doped WO ₃ films with enhanced photoelectrochemical performance for reducing CO ₂ into formic acid. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2231-2240. | 2.5 | 35 |
| 18 | Boric acid assisted synthesis of WO ₃ nanostructures with highly reactive (002) facet and enhanced photoelectrocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13836-13845. | 2.2 | 20 |

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|----|---|-----|-----------|
| 19 | In situ synthesis of CdS/CdWO ₄ /WO ₃ heterojunction films with enhanced photoelectrochemical properties. <i>Journal of Power Sources</i> , 2016, 325, 591-597. | 7.8 | 53 |
| 20 | Efficient solar water oxidation by WO ₃ plate arrays film decorated with CoO _x electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 11925-11932. | 7.1 | 29 |
| 21 | Preparation of DyVO ₄ /WO ₃ heterojunction plate array films with enhanced photoelectrochemical activity. <i>RSC Advances</i> , 2016, 6, 10393-10400. | 3.6 | 23 |
| 22 | Exploring the nitrogen species of nitrogen doped graphene as electrocatalysts for oxygen reduction reaction in Al-air batteries. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10354-10365. | 7.1 | 51 |
| 23 | Enhancing photoelectrochemical water splitting by aluminum-doped plate-like WO ₃ electrodes. <i>Electrochimica Acta</i> , 2015, 160, 57-63. | 5.2 | 71 |
| 24 | In situ formation of CuWO ₄ /WO ₃ heterojunction plates array films with enhanced photoelectrochemical properties. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6512-6520. | 7.1 | 131 |
| 25 | Nitrogen-doped graphene aerogel-supported spinel CoMn ₂ O ₄ nanoparticles as an efficient catalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 299, 492-500. | 7.8 | 88 |
| 26 | In situ synthesis of g-C ₃ N ₄ /WO ₃ heterojunction plates array films with enhanced photoelectrochemical performance. <i>RSC Advances</i> , 2015, 5, 69753-69760. | 3.6 | 54 |