

Lei Wan

List of Publications by Year in descending order

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17
papers

353
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759233

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508
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Electrocatalytic Volleyball: Rapid Nanoconfined Nicotinamide Cycling for Organic Synthesis in Electrode Pores. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4948-4952. | 13.8 | 60 |
| 2 | PdPt bimetallic nanoparticles enabled by shape control with halide ions and their enhanced catalytic activities. <i>Nanoscale</i> , 2016, 8, 3962-3972. | 5.6 | 55 |
| 3 | Varied hydrogen evolution reaction properties of nickel phosphide nanoparticles with different compositions in acidic and alkaline conditions. <i>Journal of Materials Science</i> , 2017, 52, 804-814. | 3.7 | 27 |
| 4 | Nickel phosphide nanosphere: A high-performance and cost-effective catalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 20515-20522. | 7.1 | 25 |
| 5 | Effect of nickel phosphide nanoparticles crystallization on hydrogen evolution reaction catalytic performance. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 369-376. | 4.2 | 24 |
| 6 | Preparation and Characterization of Freestanding Hierarchical Porous TiO ₂ Monolith Modified with Graphene Oxide. <i>Nano-Micro Letters</i> , 2012, 4, 90-97. | 27.0 | 22 |
| 7 | A hydrogen fuel cell for rapid, enzyme-catalysed organic synthesis with continuous monitoring. <i>Chemical Communications</i> , 2018, 54, 972-975. | 4.1 | 21 |
| 8 | Electrified Nanoconfined Biocatalysis with Rapid Cofactor Recycling. <i>ChemCatChem</i> , 2019, 11, 5662-5670. | 3.7 | 21 |
| 9 | Enzyme-catalysed enantioselective oxidation of alcohols by air exploiting fast electrochemical nicotinamide cycling in electrode nanopores. <i>Green Chemistry</i> , 2019, 21, 4958-4963. | 9.0 | 17 |
| 10 | Exploiting Bidirectional Electrocatalysis by a Nanoconfined Enzyme Cascade to Drive and Control Enantioselective Reactions. <i>ACS Catalysis</i> , 2021, 11, 6526-6533. | 11.2 | 17 |
| 11 | Progress in Scaling up and Streamlining a Nanoconfined, Enzyme-catalyzed Electrochemical Nicotinamide Recycling System for Biocatalytic Synthesis. <i>ChemElectroChem</i> , 2020, 7, 4672-4678. | 3.4 | 16 |
| 12 | Preparation, characterization and microwave absorbing properties of nano-sized yolk-in-shell Ni@P nanospheres. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 355302. | 2.8 | 12 |
| 13 | Fabrication and microwave absorbing properties of Ni _x P _y nanotubes. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 215002. | 2.8 | 11 |
| 14 | Enhanced microwave absorbing properties of surface-modified Co-Ni-P nanotubes. <i>Materials Letters</i> , 2016, 169, 193-196. | 2.6 | 10 |
| 15 | Hydrothermal synthesis, characterisation and growth mechanism of Ni(SO ₄) _{0.3} (OH) _{1.4} nanowires. <i>Micro and Nano Letters</i> , 2015, 10, 567-572. | 1.3 | 5 |
| 16 | Fabrication of a bulk GdN nanoparticles-reinforced Mg-Gd matrix nanocomposite with phenomenal mechanical properties. <i>Materials Letters</i> , 2016, 185, 127-130. | 2.6 | 5 |
| 17 | Electrocatalytic Volleyball: Rapid Nanoconfined Nicotinamide Cycling for Organic Synthesis in Electrode Pores. <i>Angewandte Chemie</i> , 2019, 131, 5002-5006. | 2.0 | 5 |