

Lei Wan

List of Publications by Year in descending order

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