Zeyan Liu

List of Publications by Year
in descending order

13 papers	1,701 citations	687363 13 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	2634 citing authors

#	Article	IF	Citations
1	1D PtCo nanowires as catalysts for PEMFCs with low Pt loading. Science China Materials, 2022, 65, 704-711.	6.3	16
2	Stability of Platinumâ€Groupâ€Metalâ€Based Electrocatalysts in Proton Exchange Membrane Fuel Cells. Advanced Functional Materials, 2022, 32, .	14.9	25
3	Experimental Sabatier plot for predictive design of active and stable Pt-alloy oxygen reduction reaction catalysts. Nature Catalysis, 2022, 5, 513-523.	34.4	57
4	Toward Rational Design of Single-Atom Catalysts. Journal of Physical Chemistry Letters, 2021, 12, 2837-2847.	4.6	45
5	Beyond Extended Surfaces: Understanding the Oxygen Reduction Reaction on Nanocatalysts. Journal of the American Chemical Society, 2020, 142, 17812-17827.	13.7	134
6	Tailoring a Three-Phase Microenvironment for High-Performance Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. Matter, 2020, 3, 1774-1790.	10.0	71
7	Differential Surface Elemental Distribution Leads to Significantly Enhanced Stability of PtNi-Based ORR Catalysts. Matter, 2019, 1, 1567-1580.	10.0	82
8	Unifying the Hydrogen Evolution and Oxidation Reactions Kinetics in Base by Identifying the Catalytic Roles of Hydroxyl-Water-Cation Adducts. Journal of the American Chemical Society, 2019, 141, 3232-3239.	13.7	220
9	Ptâ€Based Nanocrystal for Electrocatalytic Oxygen Reduction. Advanced Materials, 2019, 31, e1808115.	21.0	260
10	Roles of Mo Surface Dopants in Enhancing the ORR Performance of Octahedral PtNi Nanoparticles. Nano Letters, 2018, 18, 798-804.	9.1	162
11	Surface-Engineered PtNi-O Nanostructure with Record-High Performance for Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 9046-9050.	13.7	379
12	Dominating Role of Ni⁰ on the Interface of Ni/NiO for Enhanced Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 7139-7147.	8.0	206
13	Composition tunable ternary Ptâ€“Niâ€“Co octahedra for optimized oxygen reduction activity. Chemical Communications, 2016, 52, 11215-11218.	4.1	44