

# Jun Zhao

## List of Publications by Year in descending order

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12  
papers

340  
citations

1040056

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h-index

1199594

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docs citations

12  
times ranked

479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the Surface Metal Active Sites of Nickel Cobalt Oxide Nanoplates toward Enhanced Oxygen Electrocatalysis for Zn–Air Battery. ACS Applied Materials & Interfaces, 2019, 11, 4915-4921.	8.0	84
2	Hierarchical iridium-based multimetallic alloy with double-core-shell architecture for efficient overall water splitting. Science China Materials, 2020, 63, 249-257.	6.3	59
3	Engineering cobalt sulfide/oxide heterostructure with atomically mixed interfaces for synergistic electrocatalytic water splitting. Nano Research, 2022, 15, 1246-1253.	10.4	43
4	Phosphorus-triggered synergy of phase transformation and chalcogenide vacancy migration in cobalt sulfide for an efficient oxygen evolution reaction. Nanoscale, 2020, 12, 3129-3134.	5.6	39
5	Co <sub>3</sub> O <sub>4</sub> nanoparticles supported on N-doped electrospinning carbon nanofibers as an efficient and bifunctional oxygen electrocatalyst for rechargeable Zn–air batteries. Inorganic Chemistry Frontiers, 2019, 6, 3554-3561.	6.0	29
6	Regulating the Catalytically Active Sites in Low-Cost and Earth-Abundant 3d Transition-Metal-Based Electrode Materials for High-Performance Zinc–Air Batteries. Energy & Fuels, 2021, 35, 6483-6503.	5.1	26
7	Metal chalcogenides: An emerging material for electrocatalysis. APL Materials, 2021, 9, .	5.1	26
8	Fabrication of the Ni-NiCl <sub>2</sub> Composite Cathode Material for Fast-Response Thermal Batteries. Frontiers in Chemistry, 2021, 9, 679231.	3.6	15
9	Application of the Thermodynamic Cycle to Assess the Energy Efficiency of Amine-Based Absorption of Carbon Capture. Energies, 2019, 12, 2504.	3.1	10
10	Coupled heat transfer model for the combustion and steam characteristics of coal-fired boilers. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 490-502.	3.1	5
11	Application of ORC in a Distributed Integrated Energy System Driven by Deep and Shallow Geothermal Energy. Energies, 2021, 14, 5466.	3.1	3
12	Methanation Performance of Unsupported MoP Catalysts Prepared with Phytic Acid under Low H <sub>2</sub> /CO. ChemistrySelect, 2020, 5, 7586-7595.	1.5	1