

# Qian Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

950  
citations

759055

12  
h-index

996849

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activating the hydrogen evolution and overall water splitting performance of NiFe LDH by cation doping and plasma reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118627.	10.8	255
2	Deeply reconstructed hierarchical and defective NiOOH/FeOOH nanoboxes with accelerated kinetics for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15586-15594.	5.2	162
3	Density Functional Theory for Electrocatalysis. <i>Energy and Environmental Materials</i> , 2022, 5, 157-185.	7.3	95
4	Interfacial engineering of Co nanoparticles/Co <sub>2</sub> C nanowires boosts overall water splitting kinetics. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120334.	10.8	85
5	Ion-Transport-Rectifying Layer Enables Li-Metal Batteries with High Energy Density. <i>Matter</i> , 2020, 3, 1685-1700.	5.0	75
6	Interface-Induced Pseudocapacitance in Nonporous Heterogeneous Particles for High Volumetric Sodium Storage. <i>Advanced Functional Materials</i> , 2020, 30, 2002019.	7.8	74
7	Fastening Br <sup>+</sup> Ions at Copper-Molecule Interface Enables Highly Efficient Electroreduction of CO <sub>2</sub> to Ethanol. <i>ACS Energy Letters</i> , 2021, 6, 437-444.	8.8	62
8	Low-coordinated cobalt arrays for efficient hydrazine electrooxidation. <i>Energy and Environmental Science</i> , 2022, 15, 3246-3256.	15.6	36
9	Class of Solid-like Electrolytes for Rechargeable Batteries Based on Metal-Organic Frameworks Infiltrated with Liquid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43824-43832.	4.0	25
10	Polymetallic phosphides evolved from MOF and LDH dual-precursors for robust oxygen evolution reaction in alkaline and seawater media. <i>Materials Today Physics</i> , 2022, 24, 100684.	2.9	23
11	Facet-Dependent Oxygen Reduction Reaction Activity on the Surfaces of Co <sub>3</sub> O <sub>4</sub> . <i>Energy and Environmental Materials</i> , 2021, 4, 407-412.	7.3	19
12	Copper and carbon-incorporated yolk-shelled FeP spheres with enhanced sodium storage properties. <i>Chemical Engineering Journal</i> , 2021, 421, 127776.	6.6	16
13	Engineering Different Reaction Centers on Hierarchical Ni/NiFe Layered Double Hydroxide Accelerating Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 9858-9865.	2.5	9
14	A facile surface alloy-engineering route to enable robust lithium metal anodes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4751-4758.	1.3	8
15	A family of functional oxides of titanosilicates: A <sub>2</sub> TiSi <sub>2</sub> O <sub>8</sub> (A= Ba, Sr) with temperature insensitive ultrahigh breakdown strength. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3027-3034.	2.8	6