

Qian Liu

List of Publications by Year in descending order

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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	Density Functional Theory for Electrocatalysis. Energy and Environmental Materials, 2022, 5, 157-185.	7.3	95
2	A facile surface alloy-engineering route to enable robust lithium metal anodes. Physical Chemistry Chemical Physics, 2022, 24, 4751-4758.	1.3	8
3	Polymetallic phosphides evolved from MOF and LDH dual-precursors for robust oxygen evolution reaction in alkaline and seawater media. Materials Today Physics, 2022, 24, 100684.	2.9	23
4	Low-coordinated cobalt arrays for efficient hydrazine electrooxidation. Energy and Environmental Science, 2022, 15, 3246-3256.	15.6	36
5	Facet-Dependent Oxygen Reduction Reaction Activity on the Surfaces of Co_3O_4 . Energy and Environmental Materials, 2021, 4, 407-412.	7.3	19
6	Copper and carbon-incorporated yolk-shelled FeP spheres with enhanced sodium storage properties. Chemical Engineering Journal, 2021, 421, 127776.	6.6	16
7	Deeply reconstructed hierarchical and defective NiOOH/FeOOH nanoboxes with accelerated kinetics for the oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 15586-15594.	5.2	162
8	Engineering Different Reaction Centers on Hierarchical Ni/NiFe Layered Double Hydroxide Accelerating Overall Water Splitting. ACS Applied Energy Materials, 2021, 4, 9858-9865.	2.5	9
9	Interfacial engineering of Co nanoparticles/Co ₂ C nanowires boosts overall water splitting kinetics. Applied Catalysis B: Environmental, 2021, 296, 120334.	10.8	85
10	Fastening Br ⁻ Ions at Copper-Molecule Interface Enables Highly Efficient Electroreduction of CO ₂ to Ethanol. ACS Energy Letters, 2021, 6, 437-444.	8.8	62
11	Ion-Transport-Rectifying Layer Enables Li-Metal Batteries with High Energy Density. Matter, 2020, 3, 1685-1700.	5.0	75
12	Class of Solid-like Electrolytes for Rechargeable Batteries Based on Metal-Organic Frameworks Infiltrated with Liquid Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 43824-43832.	4.0	25
13	Interface-Induced Pseudocapacitance in Nonporous Heterogeneous Particles for High Volumetric Sodium Storage. Advanced Functional Materials, 2020, 30, 2002019.	7.8	74
14	A family of functional oxides of titanosilicates: A ₂ TiSi ₂ O ₈ (A= Ba, Sr) with temperature insensitive ultrahigh breakdown strength. Journal of the European Ceramic Society, 2020, 40, 3027-3034.	2.8	6
15	Activating the hydrogen evolution and overall water splitting performance of NiFe LDH by cation doping and plasma reduction. Applied Catalysis B: Environmental, 2020, 266, 118627.	10.8	255