

Zhaoyang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,083
citations

471477

17
h-index

642715

23
g-index

23
all docs

23
docs citations

23
times ranked

3291
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. <i>Nature Communications</i> , 2017, 8, 14264.	12.8	588
2	Porous Nickel–Iron Selenide Nanosheets as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19386-19392.	8.0	284
3	Low-Crystalline Bimetallic Metal–Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , 2019, 4, 285-292.	17.4	255
4	Copper–Nickel Nitride Nanosheets as Efficient Bifunctional Catalysts for Hydrazine-Assisted Electrolytic Hydrogen Production. <i>Advanced Energy Materials</i> , 2019, 9, 1900390.	19.5	243
5	Upraising the O 2p Orbital by Integrating Ni with MoO ₂ for Accelerating Hydrogen Evolution Kinetics. <i>ACS Catalysis</i> , 2019, 9, 2275-2285.	11.2	165
6	Density Functional Theory for Electrocatalysis. <i>Energy and Environmental Materials</i> , 2022, 5, 157-185.	12.8	95
7	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. <i>Nano Energy</i> , 2018, 54, 360-366.	16.0	82
8	Coordination environments tune the activity of oxygen catalysis on single atom catalysts: A computational study. <i>Nano Research</i> , 2022, 15, 3073-3081.	10.4	58
9	Vertically stacked holey graphene/polyaniline heterostructures with enhanced energy storage for on-chip micro-supercapacitors. <i>Nano Research</i> , 2016, 9, 1012-1021.	10.4	39
10	Recent Advances in Nanowire-Biosystem Interfaces: From Chemical Conversion, Energy Production to Electrophysiology. <i>CheM</i> , 2018, 4, 1538-1559.	11.7	34
11	Introducing Na ₂ SO ₄ in aqueous ZnSO ₄ electrolyte realizes superior electrochemical performance in zinc-ion hybrid capacitor. <i>Materials Today Energy</i> , 2020, 18, 100529.	4.7	32
12	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 1620-1624.	9.0	31
13	Establishing a theoretical insight for penta-coordinated iron-nitrogen-carbon catalysts toward oxygen reaction. <i>Nano Research</i> , 2022, 15, 6067-6075.	10.4	28
14	3D Nitrogen-Doped Graphene Encapsulated Metallic Nickel–Iron Alloy Nanoparticles for Efficient Bifunctional Oxygen Electrocatalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 4044-4051.	3.3	25
15	Theoretical insights into dual-atom catalysts for the oxygen reduction reaction: the crucial role of orbital polarization. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9150-9160.	10.3	25
16	A Synergistic Na–Mn–O Composite Cathodes for High-Capacity Na-Ion Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1802180.	19.5	21
17	In-situ selective surface engineering of graphene micro-supercapacitor chips. <i>Nano Research</i> , 2022, 15, 1492-1499.	10.4	19
18	Hierarchical Bimetallic Selenide Nanosheet-Constructed Nanotubes for Efficient Electrocatalytic Water Oxidation. <i>ChemElectroChem</i> , 2019, 6, 331-335.	3.4	15

#	ARTICLE	IF	CITATIONS
19	A Crystalline/Amorphous Cobalt(II,III) Oxide Hybrid Electrocatalyst for Lithium-Air Batteries. Energy Technology, 2017, 5, 568-579.	3.8	12
20	A Durable Ni-Zn Microbattery with Ultrahigh-Rate Capability Enabled by In Situ Reconstructed Nanoporous Nickel with Epitaxial Phase. Small, 2021, 17, e2103136.	10.0	11
21	Novel Two-Dimensional Metal-Based π -d Conjugated Nanosheets as Photocatalyst for Nitrogen Reduction Reaction: The First-Principle Investigation. ACS Applied Materials & Interfaces, 2022, 14, 5384-5394.	8.0	10
22	Interfacial and Vacancies Engineering of Copper Nickel Sulfide for Enhanced Oxygen Reduction and Alcohols Oxidation Activity. Energy and Environmental Materials, 2023, 6, .	12.8	8
23	Submerged-Plant-Inspired Five-Level-Synergetic hierarchical Single-Fe-Atom-Doped Micro-Electrodes for High-Performance multifunctional electrocatalysis. Chemical Engineering Journal, 2022, 446, 136804.	12.7	3