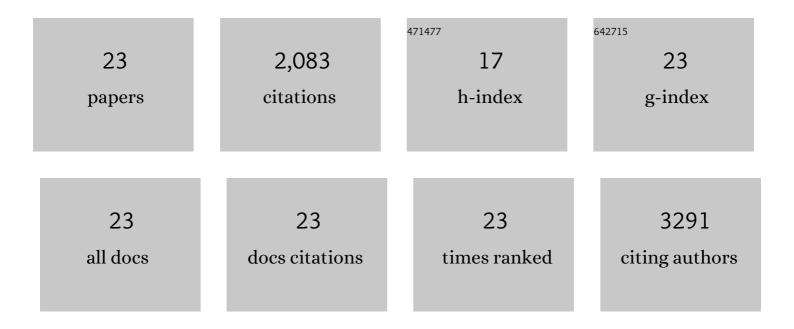
Zhaoyang Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. Nature Communications, 2017, 8, 14264.	12.8	588
2	Porous Nickel–Iron Selenide Nanosheets as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2016, 8, 19386-19392.	8.0	284
3	Low-Crystalline Bimetallic Metal–Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. ACS Energy Letters, 2019, 4, 285-292.	17.4	255
4	Copper–Nickel Nitride Nanosheets as Efficient Bifunctional Catalysts for Hydrazineâ€Assisted Electrolytic Hydrogen Production. Advanced Energy Materials, 2019, 9, 1900390.	19.5	243
5	Upraising the O 2p Orbital by Integrating Ni with MoO ₂ for Accelerating Hydrogen Evolution Kinetics. ACS Catalysis, 2019, 9, 2275-2285.	11.2	165
6	Density Functional Theory for Electrocatalysis. Energy and Environmental Materials, 2022, 5, 157-185.	12.8	95
7	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. Nano Energy, 2018, 54, 360-366.	16.0	82
8	Coordination environments tune the activity of oxygen catalysis on single atom catalysts: A computational study. Nano Research, 2022, 15, 3073-3081.	10.4	58
9	Vertically stacked holey graphene/polyaniline heterostructures with enhanced energy storage for on-chip micro-supercapacitors. Nano Research, 2016, 9, 1012-1021.	10.4	39
10	Recent Advances in Nanowire-Biosystem Interfaces: From Chemical Conversion, Energy Production to Electrophysiology. CheM, 2018, 4, 1538-1559.	11.7	34
11	Introducing Na2SO4 in aqueous ZnSO4 electrolyte realizes superior electrochemical performance in zinc-ion hybrid capacitor. Materials Today Energy, 2020, 18, 100529.	4.7	32
12	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. Chinese Chemical Letters, 2020, 31, 1620-1624.	9.0	31
13	Establishing a theoretical insight for penta-coordinated iron-nitrogen-carbon catalysts toward oxygen reaction. Nano Research, 2022, 15, 6067-6075.	10.4	28
14	3D Nitrogenâ€Doped Graphene Encapsulated Metallic Nickel–Iron Alloy Nanoparticles for Efficient Bifunctional Oxygen Electrocatalysis. Chemistry - A European Journal, 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. Journal of Materials Chemistry A, 2022, 10, 9150-9160.	10.3	25
16	A Synergistic Naâ€Mnâ€O Composite Cathodes for Highâ€Capacity Naâ€Ion Storage. Advanced Energy Materials, 2018, 8, 1802180.	' 19.5	21
17	In-situ selective surface engineering of graphene micro-supercapacitor chips. Nano Research, 2022, 15, 1492-1499.	10.4	19
18	Hierarchical Bimetallic Selenide Nanosheetâ€Constructed Nanotubes for Efficient Electrocatalytic Water Oxidation. ChemElectroChem, 2019, 6, 331-335.	3.4	15

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#	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 Ultrahighâ€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