

# Zhaoyang Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

1,279  
citations

12  
h-index

23  
g-index

23  
ext. papers

1,672  
ext. citations

11.9  
avg, IF

4.22  
L-index

#	Paper	IF	Citations
20	Submerged-Plant-Inspired Five-Level-Synergetic Hierarchical Single-Fe-Atom-Doped Micro-Electrodes for High-Performance Multifunctional Electrocatalysis. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136804	14.7	0
19	A Durable Ni-Zn Microbattery with Ultrahigh-Rate Capability Enabled by In Situ Reconstructed Nanoporous Nickel with Epitaxial Phase. <i>Small</i> , <b>2021</b> , 17, e2103136	11	5
18	3D Nitrogen-Doped Graphene Encapsulated Metallic Nickel-Iron Alloy Nanoparticles for Efficient Bifunctional Oxygen Electrocatalysis. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 4044	4.8	12
17	Introducing Na <sub>2</sub> SO <sub>4</sub> in aqueous ZnSO <sub>4</sub> electrolyte realizes superior electrochemical performance in zinc-ion hybrid capacitor. <i>Materials Today Energy</i> , <b>2020</b> , 18, 100529	7	17
16	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1620-1624	8.1	16
15	Upraising the O 2p Orbital by Integrating Ni with MoO <sub>2</sub> for Accelerating Hydrogen Evolution Kinetics. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2275-2285	13.1	103
14	Copper-Nickel Nitride Nanosheets as Efficient Bifunctional Catalysts for Hydrazine-Assisted Electrolytic Hydrogen Production. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900390	21.8	128
13	Low-Crystalline Bimetallic Metal-Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 285-292	20.1	150
12	Hierarchical Bimetallic Selenide Nanosheet-Constructed Nanotubes for Efficient Electrocatalytic Water Oxidation. <i>ChemElectroChem</i> , <b>2019</b> , 6, 331-335	4.3	11
11	Recent Advances in Nanowire-Biosystem Interfaces: From Chemical Conversion, Energy Production to Electrophysiology. <i>CheM</i> , <b>2018</b> , 4, 1538-1559	16.2	29
10	A Synergistic Na-Mn-O Composite Cathodes for High-Capacity Na-Ion Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802180	21.8	15
9	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. <i>Nano Energy</i> , <b>2018</b> , 54, 360-366	17.1	50
8	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. <i>Nature Communications</i> , <b>2017</b> , 8, 14264	17.4	452
7	A Crystalline/Amorphous Cobalt(II,III) Oxide Hybrid Electrocatalyst for Lithium-Air Batteries. <i>Energy Technology</i> , <b>2017</b> , 5, 568-579	3.5	11
6	Vertically stacked holey graphene/polyaniline heterostructures with enhanced energy storage for on-chip micro-supercapacitors. <i>Nano Research</i> , <b>2016</b> , 9, 1012-1021	10	32
5	Porous Nickel-Iron Selenide Nanosheets as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19386-92	9.5	225
4	Coordination environments tune the activity of oxygen catalysis on single atom catalysts: A computational study. <i>Nano Research</i> , 1	10	3

3	Density Functional Theory for Electrocatalysis. <i>Energy and Environmental Materials</i> ,	13	12
2	In-situ selective surface engineering of graphene micro-supercapacitor chips. <i>Nano Research</i> ,1	10	4
1	Theoretical insights into dual-atom catalysts for the oxygen reduction reaction: the crucial role of orbital polarization. <i>Journal of Materials Chemistry A</i> ,	13	1