

Zheng Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,567
citations

623188

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940134

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docs citations

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times ranked

2208
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous Bimetallic Oxideâ€“Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Znâ€“Air Batteries. <i>Advanced Materials</i> , 2017, 29, 1701410.	11.1	243
2	Electrocatalytic hydrogen evolution under neutral pH conditions: current understandings, recent advances, and future prospects. <i>Energy and Environmental Science</i> , 2020, 13, 3185-3206.	15.6	225
3	Recent Advances in Materials and Design of Electrochemically Rechargeable Zincâ€“Air Batteries. <i>Small</i> , 2018, 14, e1801929.	5.2	192
4	Prussian blue, its analogues and their derived materials for electrochemical energy storage and conversion. <i>Energy Storage Materials</i> , 2020, 25, 585-612.	9.5	181
5	Ultrathin nickel boride nanosheets anchored on functionalized carbon nanotubes as bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 764-774.	5.2	123
6	Cationâ€“Vacancyâ€“Enriched Nickel Phosphide for Efficient Electrosynthesis of Hydrogen Peroxides. <i>Advanced Materials</i> , 2022, 34, e2106541.	11.1	123
7	Make it stereoscopic: interfacial design for full-temperature adaptive flexible zincâ€“air batteries. <i>Energy and Environmental Science</i> , 2021, 14, 4926-4935.	15.6	108
8	Hydrogen evolution reaction activity of nickel phosphide is highly sensitive to electrolyte pH. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20390-20397.	5.2	98
9	Rechargeable zinc-air batteries with neutral electrolytes: Recent advances, challenges, and prospects. <i>EnergyChem</i> , 2021, 3, 100055.	10.1	59
10	Metal-free bifunctional carbon electrocatalysts derived from zeolitic imidazolate frameworks for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 102-111.	3.2	57
11	Big to Small: Ultrafine Mo ₂ C Particles Derived from Giant Polyoxomolybdate Clusters for Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1900358.	5.2	53
12	Milk powder-derived bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Energy Storage Materials</i> , 2018, 11, 134-143.	9.5	45
13	Ultralow-platinum-loading nanocarbon hybrids for highly sensitive hydrogen peroxide detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 304-311.	4.0	27
14	Nanostructured hexaazatrinaphthalene based polymers for advanced energy conversion and storage. <i>Chemical Engineering Journal</i> , 2022, 427, 130995.	6.6	16
15	A CO ₂ -Switchable Polymer Surfactant Copolymerized with DMAEMA and AM as a Heavy Oil Emulsifier. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1200-1207.	1.3	10
16	Carbon dioxide switchable polymer surfactant copolymerized with 2â€“(dimethylamino)ethyl methacrylate and butyl methacrylate as a heavyâ€“oil emulsifier. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	7