

Yun Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,720
citations

279798

23
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

2648
citing authors

#	ARTICLE	IF	CITATIONS
1	Eutectic Etching toward In-plane Porosity Manipulation of Cl-terminated MXene for High-performance Dual-ion Battery Anode. <i>Advanced Energy Materials</i> , 2022, 12, 2102493.	19.5	37
2	2D Materials for All-solid-state Lithium Batteries. <i>Advanced Materials</i> , 2022, 34, e2108079.	21.0	45
3	Emerging Trends in Sustainable CO ₂ -Management Materials. <i>Advanced Materials</i> , 2022, 34, e2201547.	21.0	52
4	Bioinspired Tough Solid-state Electrolyte for Flexible Ultralong-life Zinc-Air Battery. <i>Advanced Materials</i> , 2022, 34, e2110585.	21.0	58
5	Hierarchically Nanostructured Solid-state Electrolyte for Flexible Rechargeable Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	43
6	Hierarchically Nanostructured Solid-state Electrolyte for Flexible Rechargeable Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	13
7	Engineering Electrochemical Surface for Efficient Carbon Dioxide Upgrade. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	33
8	Materials Engineering toward Durable Electrocatalysts for Proton Exchange Membrane Fuel Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	61
9	A Novel Solid Oxide Electrolysis Cell with Micro/Nano Channel Anode for Electrolysis at Ultra-high Current Density over 5 A cm ⁻² . <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	17
10	Solid Oxide Electrolysis of H ₂ O and CO ₂ to Produce Hydrogen and Low-Carbon Fuels. <i>Electrochemical Energy Reviews</i> , 2021, 4, 508-517.	25.5	69
11	Modulating Metal-Organic Frameworks as Advanced Oxygen Electrocatalysts. <i>Advanced Energy Materials</i> , 2021, 11, 2003291.	19.5	105
12	Electrolyte Design for Lithium Metal Anode-based Batteries Toward Extreme Temperature Application. <i>Advanced Science</i> , 2021, 8, e2101051.	11.2	95
13	Heterointerface engineering for enhancing the electrochemical performance of solid oxide cells. <i>Energy and Environmental Science</i> , 2020, 13, 53-85.	30.8	178
14	Enhanced oxygen reduction kinetics by a porous heterostructured cathode for intermediate temperature solid oxide fuel cells. <i>Energy and AI</i> , 2020, 2, 100027.	10.6	17
15	Directly visualizing and exploring local heterointerface with high electro-catalytic activity. <i>Nano Energy</i> , 2020, 78, 105236.	16.0	31
16	A review of composite solid-state electrolytes for lithium batteries: fundamentals, key materials and advanced structures. <i>Chemical Society Reviews</i> , 2020, 49, 8790-8839.	38.1	461
17	Measurement of oxygen reduction/evolution kinetics enhanced (La,Sr)CoO ₃ /(La,Sr) ₂ CoO ₄ hetero-structure oxygen electrode in operating temperature for SOCs. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19102-19112.	7.1	7
18	Controlling crystal orientation in multilayered heterostructures toward high electro-catalytic activity for oxygen reduction reaction. <i>Nano Energy</i> , 2019, 62, 521-529.	16.0	35

#	ARTICLE	IF	CITATIONS
19	Enhancing coking resistance of Ni/YSZ electrodes: In situ characterization, mechanism research, and surface engineering. <i>Nano Energy</i> , 2019, 62, 64-78.	16.0	75
20	Uncovering the Effect of Lattice Strain and Oxygen Deficiency on Electrocatalytic Activity of Perovskite Cobaltite Thin Films. <i>Advanced Science</i> , 2019, 6, 1801898.	11.2	136
21	Impact of Strain-Induced Changes in Defect Chemistry on Catalytic Activity of $\text{Nd}_{2+}\text{NiO}_{4+1}$ Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36926-36932.	8.0	31
22	Micro-Nanohoneycomb Solid Oxide Electrolysis Cell Anodes with Ultralarge Current Tolerance. <i>Advanced Energy Materials</i> , 2018, 8, 1802203.	19.5	40
23	Segregation Induced Self-Assembly of Highly Active Perovskite for Rapid Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1801893.	19.5	30
24	Oxygen reduction kinetic enhancements of intermediate-temperature SOFC cathodes with novel $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-1}/\text{Nd}_{0.8}\text{Sr}_{1.2}\text{CoO}_{4+1}$ heterointerfaces. <i>Nano Energy</i> , 2018, 51, 711-720.	16.0	60
25	A review of high temperature co-electrolysis of H_2O and CO_2 to produce sustainable fuels using solid oxide electrolysis cells (SOECs): advanced materials and technology. <i>Chemical Society Reviews</i> , 2017, 46, 1427-1463.	38.1	515
26	Energy related CO_2 conversion and utilization: Advanced materials/nanomaterials, reaction mechanisms and technologies. <i>Nano Energy</i> , 2017, 40, 512-539.	16.0	221
27	Controlling cation segregation in perovskite-based electrodes for high electro-catalytic activity and durability. <i>Chemical Society Reviews</i> , 2017, 46, 6345-6378.	38.1	246
28	Solid oxide fuel cell system for automobiles. <i>International Journal of Green Energy</i> , 0, , 1-10.	3.8	9