

Yining Zhang

List of Publications by Year in descending order

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34
papers

1,855
citations

471061

17
h-index

395343

33
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all docs

34
docs citations

34
times ranked

3782
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural engineering for double-layer high-load LiFePO ₄ electrode with vertical impurity distribution of conductive additives. <i>Journal of Power Sources</i> , 2022, 527, 231106.	4.0	4
2	Performance comparison of electro-polymerized polypyrrole and polyaniline as cathodes for iodine redox reaction in zinc-iodine batteries. <i>Electrochimica Acta</i> , 2022, 415, 140206.	2.6	20
3	A high-voltage aqueous rechargeable zinc-polyaniline hybrid battery achieved by decoupling alkali-acid electrolyte. <i>Chemical Engineering Journal</i> , 2022, 444, 136478.	6.6	13
4	Design of Polymer-in-Salt Electrolyte for Solid State Lithium Battery with Wide Working Temperature Range. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
5	Sulfur-Implanted Carbon Dots-Embedded Graphene as Ultrastable Anode for Li-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2000899.	1.8	3
6	High performance flexible quasi-solid-state zinc-ion hybrid supercapacitors enable by electrode potential adjustment. <i>Journal of Power Sources</i> , 2021, 495, 229789.	4.0	18
7	Polyaniline electropolymerized within template of vertically ordered polyvinyl alcohol as electrodes of flexible supercapacitors with long cycle life. <i>Electrochimica Acta</i> , 2021, 390, 138819.	2.6	18
8	Structure engineering in interconnected porous hollow carbon spheres with superior rate capability for supercapacitors and lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 419, 129649.	6.6	50
9	Boosting the Performance of Solid-State Lithium Battery Based on Hybridizing Micron-Sized LATP in a PEO/PVDF-HFP Heterogeneous Polymer Matrix. <i>Energy Technology</i> , 2020, 8, 2000444.	1.8	12
10	A Simple Aqueous Battery with Potential for Scalable Energy Storage Based on MnO ₂ Deposition at the Cathode and a Quinoid-Modified Activated Carbon Anode. <i>ChemElectroChem</i> , 2020, 7, 2869-2876.	1.7	1
11	Facile fabrication of laser-scribed-graphene humidity sensors by a commercial DVD drive. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128483.	4.0	24
12	Effect of polyaniline-modified lignosulfonate added to the negative active material on the performance of lead-acid battery. <i>Electrochimica Acta</i> , 2020, 338, 135859.	2.6	26
13	Solid-state synthesized Li ₄ Ti ₅ O ₁₂ for ultrafast lithium ion storage enabled by carbon-coating induced particle size tailoring. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1258-1267.	2.8	15
14	Stabilizing Reactive Fe(III) Clusters by Freeze-Dry/Solvent-Exchange To Benchmark Iron Hydrolysis Pathways. <i>Inorganic Chemistry</i> , 2019, 58, 5555-5560.	1.9	5
15	Interconnected hollow carbon spheres with tunable wall-thickness for improving the high-rate performance of energy storage devices. <i>Electrochimica Acta</i> , 2019, 312, 358-368.	2.6	12
16	Enhancing the capacity of activated carbon electrodes by a redox mediator pair for the fabrication of flexible asymmetric solid-state supercapacitors. <i>Journal of Power Sources</i> , 2019, 418, 24-32.	4.0	29
17	Enhancing the Efficiency of Graphene Oxide Reduction in Low-Power Digital Video Disc Drives by a Simple Precursor Heat Treatment. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48162-48171.	4.0	3
18	Targeted interfacial anchoring and wrapping of Fe ₃ O ₄ nanoparticles onto graphene by PPy-derived-carbon for stable lithium-ion battery anodes. <i>Materials Research Bulletin</i> , 2019, 111, 170-176.	2.7	10

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19	A phenylenediamine-mediated organic electrolyte for high performance graphene-hydrogel based supercapacitors. <i>Electrochimica Acta</i> , 2018, 273, 495-501.	2.6	14
20	A flexible and highly sensitive nonenzymatic glucose sensor based on DVD-laser scribed graphene substrate. <i>Biosensors and Bioelectronics</i> , 2018, 110, 89-96.	5.3	88
21	A Lithium-Sulfur Battery using a 2D Current Collector Architecture with a Large-Sized Sulfur Host Operated under High Areal Loading and Low E/S Ratio. <i>Advanced Materials</i> , 2018, 30, e1804271.	11.1	74
22	In Situ Polymer Graphenization Ingrained with Nanoporosity in a Nitrogenous Electrocatalyst Boosting the Performance of Polymer-Electrolyte-Membrane Fuel Cells. <i>Advanced Materials</i> , 2017, 29, 1604456.	11.1	192
23	Compact high volumetric and areal capacity lithium sulfur batteries through rock salt induced nano-architected sulfur hosts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21435-21441.	5.2	45
24	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4977-4982.	7.2	258
25	Batteries: Gas Pickering Emulsion Templated Hollow Carbon for High Rate Performance Lithium Sulfur Batteries (<i>Adv. Funct. Mater.</i> 46/2016). <i>Advanced Functional Materials</i> , 2016, 26, 8563-8563.	7.8	1
26	Structural and chemical synergistic encapsulation of polysulfides enables ultralong-life lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016, 9, 2533-2538.	15.6	330
27	Gas Pickering Emulsion Templated Hollow Carbon for High Rate Performance Lithium Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 8408-8417.	7.8	98
28	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. <i>Angewandte Chemie</i> , 2016, 128, 5061-5066.	1.6	20
29	Layered-MnO ₂ Nanosheet Grown on Nitrogen-Doped Graphene Template as a Composite Cathode for Flexible Solid-State Asymmetric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5251-5260.	4.0	199
30	Hydrothermal Self-assembly of Manganese Dioxide/Manganese Carbonate/Reduced Graphene Oxide Aerogel for Asymmetric Supercapacitors. <i>Electrochimica Acta</i> , 2015, 164, 154-162.	2.6	120
31	A Microsized Cage-like Sulfur/Carbon Composite for a Lithium/Sulfur Battery with Excellent Performance. <i>ChemPlusChem</i> , 2014, 79, 919-924.	1.3	17
32	Synthesis of a meso-macro hierarchical porous carbon material for improvement of O ₂ diffusivity in Li-O ₂ batteries. <i>RSC Advances</i> , 2014, 4, 17141.	1.7	13
33	Monodispersed bimetallic PdAg nanoparticles with twinned structures: Formation and enhancement for the methanol oxidation. <i>Scientific Reports</i> , 2014, 4, 4288.	1.6	97
34	A modified hierarchical porous carbon for lithium/sulfur batteries with improved capacity and cycling stability. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2243-2250.	1.2	25