

Zhoupeng Li

List of Publications by Year in descending order

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33
papers

1,401
citations

516710

16
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

2311
citing authors

#	ARTICLE	IF	CITATIONS
1	Foldable interpenetrated metal-organic frameworks/carbon nanotubes thin film for lithium-sulfur batteries. <i>Nature Communications</i> , 2017, 8, 14628.	12.8	436
2	<i>Acacia Senegal</i> -Inspired Bifunctional Binder for Longevity of Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1500878.	19.5	223
3	A multi functional binder with lithium ion conductive polymer and polysulfide absorbents to improve cycleability of lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 294, 187-192.	7.8	85
4	The use of polypyrrole modified carbon-supported cobalt hydroxide as cathode and anode catalysts for the direct borohydride fuel cell. <i>Journal of Power Sources</i> , 2009, 192, 385-390.	7.8	68
5	A novel laminated separator with multi functions for high-rate dischargeable lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 283, 524-529.	7.8	60
6	The dual actions of modified polybenzimidazole in taming the polysulfide shuttle for long-life lithium-sulfur batteries. <i>NPG Asia Materials</i> , 2016, 8, e317-e317.	7.9	54
7	A facile and scalable method to prepare carbon nanotube-grafted-graphene for high performance Li-S battery. <i>Journal of Power Sources</i> , 2017, 339, 20-26.	7.8	54
8	Regulating adsorption ability toward polysulfides in a porous carbon/Cu ₃ P hybrid for an ultrastable high-temperature lithium-sulfur battery. , 2021, 3, 841-855.		41
9	Synergy among transition element, nitrogen, and carbon for oxygen reduction reaction in alkaline medium. <i>Journal of Power Sources</i> , 2012, 219, 163-171.	7.8	35
10	Metallically conductive TiB ₂ as a multi-functional separator modifier for improved lithium sulfur batteries. <i>Journal of Power Sources</i> , 2020, 448, 227336.	7.8	34
11	Influences of carbon support on the electrocatalysis of polypyrrole-modified cobalt hydroxide in the direct borohydride fuel cell. <i>Journal of Power Sources</i> , 2010, 195, 3124-3129.	7.8	30
12	A novel strategy for high-stability lithium sulfur batteries by in situ formation of polysulfide adsorptive-blocking layer. <i>Journal of Power Sources</i> , 2017, 355, 147-153.	7.8	30
13	Core-shell ZnO@C:N hybrids derived from MOFs as long-cycling anodes for lithium ion batteries. <i>Chemical Communications</i> , 2020, 56, 1980-1983.	4.1	29
14	Reversible Hydrogen Storage Composite Based on 6LiBH ₄ + CaF ₂ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 7067-7075.	3.1	20
15	Performance of nitrogen-containing macroporous carbon supported cobalt catalyst synthesized through in-situ construction of catalytic sites for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 274, 48-55.	7.8	20
16	Fabrication of oriented-macroporous-carbon incorporated with γ -Al ₂ O ₃ for high performance lithium-sulfur battery. <i>Microporous and Mesoporous Materials</i> , 2018, 266, 276-282.	4.4	19
17	Oxygen reduction reaction on a polypyrrole-modified, carbon-supported cobalt hydroxide catalyst. <i>Journal of Power Sources</i> , 2012, 208, 203-209.	7.8	18
18	A study of the direct dimethyl ether fuel cell using alkaline anolyte. <i>Journal of Power Sources</i> , 2010, 195, 5606-5609.	7.8	16

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19	Fe ₃ O ₄ /C composites synthesized from Fe-based xerogels for anode materials of Li-ion batteries. <i>Solid State Ionics</i> , 2014, 261, 45-52.	2.7	14
20	Effects of hydrothermal treatment on the catalytic activity of cobalt-doped catalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5689-5695.	7.1	13
21	A novel class of functional additives for cyclability enhancement of the sulfur cathode in lithium sulfur batteries. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2013-2017.	6.0	13
22	Carbon-coated titanium dioxide micro-bowls as an anode material for Li-ion batteries. <i>Electrochimica Acta</i> , 2014, 125, 199-205.	5.2	12
23	In Situ Synthesis of Li ₂ S-Loaded amphiphilic Porous Carbon and Modification of the Li ₂ S Electrode for Long-Life Li ₂ S Batteries. <i>ChemElectroChem</i> , 2018, 5, 112-118.	3.4	12
24	A cobalt coordination compound with indole acetic acid for fabrication of a high performance cathode catalyst in fuel cells. <i>RSC Advances</i> , 2016, 6, 19025-19033.	3.6	11
25	A facile self-templating synthesis of carbon frameworks with tailored hierarchical porosity for enhanced energy storage performance. <i>Chemical Communications</i> , 2017, 53, 5028-5031.	4.1	9
26	Development of chemically synthesized spherical plasmonic LaB ₆ nanoparticles for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2019, 803, 757-767.	5.5	8
27	Advanced Configuration of N-Enriched Carbonized Tissue Paper as a Free-Standing Interlayer for Lithium-Sulfur Batteries at Wide-Range Temperatures. <i>ACS Applied Energy Materials</i> , 2021, 4, 10091-10103.	5.1	8
28	A cobalt-pyrrole coordination compound as high performance cathode catalyst for direct borohydride fuel cells. <i>RSC Advances</i> , 2020, 10, 29119-29127.	3.6	7
29	Thermally stable La-Ni-B amorphous additives for enhancing hydrogen storage performance of MgH ₂ . <i>Journal of Alloys and Compounds</i> , 2021, 888, 161520.	5.5	7
30	Low-temperature synthesis of nanosized metal borides through reaction of lithium borohydride with metal hydroxides or oxides. <i>Journal of Alloys and Compounds</i> , 2015, 651, 666-672.	5.5	6
31	Prevention of active-site destruction during the synthesis of high performance non-Pt cathode catalyst for fuel cells. <i>RSC Advances</i> , 2017, 7, 6622-6630.	3.6	4
32	Ag ₂ S-modified 3D Carbon Cloth as a Dendrite Suppressing Framework for High Energy Lithium-Sulfur Batteries. <i>Chemistry Letters</i> , 2022, 51, 504-507.	1.3	2
33	A Soft Start Approach of Solid-State Transformer. , 2021, , .		2