

Danni Lei

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,769
citations

623188

14
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

2593
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Resistanceâ€“Integrated Allâ€“Solidâ€“State Battery Achieved by $\text{Li}_{7/3}\text{La}_3\text{Zr}_2\text{O}_{12}$ Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder. <i>Advanced Functional Materials</i> , 2019, 29, 1805301.	7.8	390
2	Compact 3D Copper with Uniform Porous Structure Derived by Electrochemical Dealloying as Dendriteâ€“Free Lithium Metal Anode Current Collector. <i>Advanced Energy Materials</i> , 2018, 8, 1800266.	10.2	336
3	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. <i>Nature Communications</i> , 2019, 10, 4244.	5.8	219
4	Progress and Perspective of Solidâ€“State Lithiumâ€“Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707570.	7.8	194
5	Spherical Li Deposited inside 3D Cu Skeleton as Anode with Ultrastable Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20244-20249.	4.0	113
6	Transformation of bulk alloys to oxide nanowires. <i>Science</i> , 2017, 355, 267-271.	6.0	76
7	3D uniform nitrogen-doped carbon skeleton for ultra-stable sodium metal anode. <i>Nano Research</i> , 2020, 13, 2136-2142.	5.8	75
8	Lithiumâ€“Iron (III) Fluoride Battery with Double Surface Protection. <i>Advanced Energy Materials</i> , 2018, 8, 1800721.	10.2	67
9	Deterioration mechanism of $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2/\text{graphiteâ€“SiO}_x$ power batteries under high temperature and discharge cycling conditions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 65-72.	5.2	66
10	A dual-function liquid electrolyte additive for high-energy non-aqueous lithium metal batteries. <i>Nature Communications</i> , 2022, 13, 1297.	5.8	56
11	Influence of Binders, Carbons, and Solvents on the Stability of Phosphorus Anodes for Li-ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25991-26001.	4.0	41
12	Acetic acid-induced preparation of anatase TiO_2 mesocrystals at low temperature for enhanced Li-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12236-12242.	5.2	26
13	In-situ formation of a nanoscale lithium aluminum alloy in lithium metal for high-load battery anode. <i>Energy Storage Materials</i> , 2022, 48, 384-392.	9.5	22
14	Designing $\text{gâ€“C}_3\text{N}_4/\text{Nâ€“Rich}$ Carbon Fiber Composites for Highâ€“Performance Potassiumâ€“Ion Hybrid Capacitors. <i>Energy and Environmental Materials</i> , 2021, 4, 638-645.	7.3	20
15	A Stable Crossâ€“Linked Binder Network for SnO_2 Anode with Enhanced Sodiumâ€“Ion Storage Performance. <i>ChemistrySelect</i> , 2017, 2, 11365-11369.	0.7	12
16	Interconnected Ultrasmall V_2O_3 and $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Particles Construct Robust Interfaces for Long-Cycling Anodes of Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29993-30000.	4.0	12
17	Allâ€“Solidâ€“State Batteries: Low Resistanceâ€“Integrated Allâ€“Solidâ€“State Battery Achieved by $\text{Li}_{7/3}\text{La}_3\text{Zr}_2\text{O}_{12}$ Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder (<i>Adv. Funct. Mater.</i> 1/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970006.	7.8	12
18	Solid-State Electrolytes: Progress and Perspective of Solid-State Lithium-Sulfur Batteries (<i>Adv. Funct.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.8	11

#	ARTICLE	IF	CITATIONS
19	Compact Sn/C composite realizes long-life sodium-ion batteries. Nano Research, 2023, 16, 3804-3813.	5.8	11
20	The formation of LiAl ₅ O ₈ nanowires from bulk Li-Al alloy enables dendrite-free Li metal batteries. Materials Today Physics, 2021, 18, 100395.	2.9	10