

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	Compact Sn/C composite realizes long-life sodium-ion batteries. Nano Research, 2023, 16, 3804-3813.	5.8	11
2	A dual-function liquid electrolyte additive for high-energy non-aqueous lithium metal batteries. Nature Communications, 2022, 13, 1297.	5.8	56
3	In-situ formation of a nanoscale lithium aluminum alloy in lithium metal for high-load battery anode. Energy Storage Materials, 2022, 48, 384-392.	9.5	22
4	Designing gâ€C₃N₄/Nâ€Rich Carbon Fiber Composites for Highâ€Performance Potassiumâ€Ion Hybrid Capacitors. Energy and Environmental Materials, 2021, 4, 638-645.	7.3	20
5	The formation of LiAl5O8 nanowires from bulk Li-Al alloy enables dendrite-free Li metal batteries. Materials Today Physics, 2021, 18, 100395.	2.9	10
6	3D uniform nitrogen-doped carbon skeleton for ultra-stable sodium metal anode. Nano Research, 2020, 13, 2136-2142.	5.8	75
7	Interconnected Ultrasmall V₂O₃ and Li₄Ti₅O₁₂ Particles Construct Robust Interfaces for Long-Cycling Anodes of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 29993-30000.	4.0	12
8	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. Nature Communications, 2019, 10, 4244.	5.8	219
9	Allâ€Solidâ€State Batteries: Low Resistanceâ€Integrated Allâ€Solidâ€State Battery Achieved by Li₇La₃Zr₂O₁₂ Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder (Adv. Funct. Mater. 1/2019). Advanced Functional Materials, 2019, 29, 1970006.	7.8	12
10	Low Resistanceâ€Integrated Allâ€Solidâ€State Battery Achieved by Li₇La₃Zr₂O₁₂ Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder. Advanced Functional Materials, 2019, 29, 1805301.	7.8	390
11	Compact 3D Copper with Uniform Porous Structure Derived by Electrochemical Dealloying as Dendriteâ€Free Lithium Metal Anode Current Collector. Advanced Energy Materials, 2018, 8, 1800266.	10.2	336
12	Progress and Perspective of Solidâ€State Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2018, 28, 1707570.	7.8	194
13	Deterioration mechanism of LiNi_{0.8}Co_{0.15}Al_{0.05}O₂/graphiteâ€SiO_x power batteries under high temperature and discharge cycling conditions. Journal of Materials Chemistry A, 2018, 6, 65-72.	5.2	66
14	Solid-State Electrolytes: Progress and Perspective of Solid-State Lithium-Sulfur Batteries (Adv. Funct.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.8	11
15	Lithiumâ€Iron (III) Fluoride Battery with Double Surface Protection. Advanced Energy Materials, 2018, 8, 1800721.	10.2	67
16	Spherical Li Deposited inside 3D Cu Skeleton as Anode with Ultrastable Performance. ACS Applied Materials & Interfaces, 2018, 10, 20244-20249.	4.0	113
17	Transformation of bulk alloys to oxide nanowires. Science, 2017, 355, 267-271.	6.0	76
18	Acetic acid-induced preparation of anatase TiO₂ mesocrystals at low temperature for enhanced Li-ion storage. Journal of Materials Chemistry A, 2017, 5, 12236-12242.	5.2	26

#	ARTICLE	IF	CITATIONS
19	A Stable Cross-Linked Binder Network for SnO ₂ Anode with Enhanced Sodium-Ion Storage Performance. ChemistrySelect, 2017, 2, 11365-11369.	0.7	12
20	Influence of Binders, Carbons, and Solvents on the Stability of Phosphorus Anodes for Li-ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 25991-26001.	4.0	41