

Jiang Cui

List of Publications by Year in descending order

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36
papers

2,482
citations

201385

27
h-index

360668

35
g-index

36
all docs

36
docs citations

36
times ranked

3518
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in rational design of anode materials for high-performance Na-ion batteries. <i>Energy Storage Materials</i> , 2017, 7, 64-114.	9.5	211
2	Dual-phase MoS ₂ as a high-performance sodium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2114-2122.	5.2	160
3	Unveiling the Unique Phase Transformation Behavior and Sodiation Kinetics of 1D van der Waals Sb ₂ S ₃ Anodes for Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602149.	10.2	152
4	Dendrite-free lithium metal and sodium metal batteries. <i>Energy Storage Materials</i> , 2020, 27, 522-554.	9.5	151
5	Revealing Pseudocapacitive Mechanisms of Metal Dichalcogenide SnS ₂ /Graphene@CNT Aerogels for High-Energy Na Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1702488.	10.2	135
6	Hierarchical MoS ₂ /Carbon microspheres as long-life and high-rate anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5668-5677.	5.2	128
7	Enhanced conversion reaction kinetics in low crystallinity SnO ₂ /CNT anodes for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10964-10973.	5.2	111
8	Correlation between Li Plating Behavior and Surface Characteristics of Carbon Matrix toward Stable Li Metal Anodes. <i>Advanced Energy Materials</i> , 2019, 9, 1802777.	10.2	109
9	Novel 2D Sb ₂ S ₃ Nanosheet/CNT Coupling Layer for Exceptional Polysulfide Recycling Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800710.	10.2	93
10	Sb-doped SnO ₂ /graphene-CNT aerogels for high performance Li-ion and Na-ion battery anodes. <i>Energy Storage Materials</i> , 2017, 9, 85-95.	9.5	85
11	Rational Assembly of Hollow Microporous Carbon Spheres as P Hosts for Long-Life Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702267.	10.2	85
12	Positive role of oxygen vacancy in electrochemical performance of CoMn ₂ O ₄ cathodes for Li-O ₂ batteries. <i>Journal of Power Sources</i> , 2017, 365, 134-147.	4.0	84
13	Polyimide separators for rechargeable batteries. <i>Journal of Energy Chemistry</i> , 2021, 58, 170-197.	7.1	82
14	2D MoS ₂ grown on biomass-based hollow carbon fibers for energy storage. <i>Applied Surface Science</i> , 2019, 469, 854-863.	3.1	79
15	Atomic scale, amorphous FeOx/carbon nanofiber anodes for Li-ion and Na-ion batteries. <i>Energy Storage Materials</i> , 2017, 8, 10-19.	9.5	78
16	Facile Patterning of Laser-Induced Graphene with Tailored Li Nucleation Kinetics for Stable Lithium-Metal Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901796.	10.2	76
17	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018, 268, 1-9.	2.6	61
18	In Situ TEM Study on Conversion-Type Electrodes for Rechargeable Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2000699.	11.1	58

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19	Ultrathin Sb ₂ S ₃ nanosheet anodes for exceptional pseudocapacitive contribution to multi-battery charge storage. <i>Energy Storage Materials</i> , 2019, 20, 36-45.	9.5	51
20	Metal-organic framework-induced mesoporous carbon nanofibers as an ultrastable Na metal anode host. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10269-10282.	5.2	47
21	Chemical interactions between red P and functional groups in NiP ₃ /CNT composite anodes for enhanced sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20184-20194.	5.2	44
22	Orientation-Dependent Intercalation Channels for Lithium and Sodium in Black Phosphorus. <i>Advanced Materials</i> , 2019, 31, e1904623.	11.1	44
23	Nitrogen-doped graphene fiber webs for multi-battery energy storage. <i>Nanoscale</i> , 2019, 11, 6334-6342.	2.8	38
24	Thin solid electrolyte interface on chemically bonded Sb ₂ Te ₃ /CNT composite anodes for high performance sodium ion full cells. <i>Nano Energy</i> , 2020, 71, 104613.	8.2	38
25	Porous RuO ₂ nanosheet/CNT electrodes for DMSO-based Li-O ₂ and Li ion O ₂ batteries. <i>Energy Storage Materials</i> , 2017, 8, 110-118.	9.5	36
26	A high-performance lithium ion oxygen battery consisting of Li ₂ O ₂ cathode and lithiated aluminum anode with nafion membrane for reduced O ₂ crossover. <i>Nano Energy</i> , 2017, 40, 258-263.	8.2	35
27	MoSe ₂ nanosheets embedded in nitrogen/phosphorus co-doped carbon/graphene composite anodes for ultrafast sodium storage. <i>Journal of Power Sources</i> , 2020, 476, 228660.	4.0	28
28	Highly conductive porous graphene/sulfur composite ribbon electrodes for flexible lithium-sulfur batteries. <i>Nanoscale</i> , 2018, 10, 21132-21141.	2.8	27
29	Recent advances in emerging nonaqueous K-ion batteries: from mechanistic insights to practical applications. <i>Energy Storage Materials</i> , 2021, 39, 305-346.	9.5	27
30	Origin of anomalous high-rate Na-ion electrochemistry in layered bismuth telluride anodes. <i>Matter</i> , 2021, 4, 1335-1351.	5.0	26
31	Affinity-engineered carbon nanofibers as a scaffold for Na metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14757-14768.	5.2	22
32	Rational Exploration of Conversion-Alloying Reaction Based Anodes for High-Performance K-Ion Batteries. , 2021, 3, 406-413.		21
33	Dense graphene monolith oxygen cathodes for ultrahigh volumetric energy densities. <i>Energy Storage Materials</i> , 2017, 9, 134-139.	9.5	19
34	Ultrafast Li ⁺ Diffusion Kinetics of 2D Oxidized Phosphorus for Quasi-Solid-State Bendable Batteries with Exceptional Energy Densities. <i>Chemistry of Materials</i> , 2019, 31, 4113-4123.	3.2	17
35	<i>In situ</i> TEM study of lithiation into a PPy coated $\hat{\pm}$ -MnO ₂ /graphene foam freestanding electrode. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1481-1488.	3.2	16
36	Revealing Cathode-Electrolyte Interface on Flower-Shaped Na ₃ V ₂ (PO ₄) ₃ /C Cathode through Cryogenic Electron Microscopy. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100072.	2.8	8