

Cui, Jiang

List of Publications by Year in descending order

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2,371
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ TEM Study on Conversion-Type Electrodes for Rechargeable Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2000699.	21.0	58
2	Rational Exploration of Conversion-Alloying Reaction Based Anodes for High-Performance K-Ion Batteries. , 2021, 3, 406-413.		21
3	Origin of anomalous high-rate Na-ion electrochemistry in layered bismuth telluride anodes. <i>Matter</i> , 2021, 4, 1335-1351.	10.0	26
4	Revealing Cathode-Electrolyte Interface on Flower-Shaped $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ Cathode through Cryogenic Electron Microscopy. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100072.	5.8	8
5	Recent advances in emerging nonaqueous K-ion batteries: from mechanistic insights to practical applications. <i>Energy Storage Materials</i> , 2021, 39, 305-346.	18.0	27
6	Dual-phase MoS_2 as a high-performance sodium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2114-2122.	10.3	160
7	Dendrite-free lithium metal and sodium metal batteries. <i>Energy Storage Materials</i> , 2020, 27, 522-554.	18.0	151
8	Affinity-engineered carbon nanofibers as a scaffold for Na metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14757-14768.	10.3	22
9	Thin solid electrolyte interface on chemically bonded $\text{Sb}_2\text{Te}_3/\text{CNT}$ composite anodes for high performance sodium ion full cells. <i>Nano Energy</i> , 2020, 71, 104613.	16.0	38
10	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.	10.3	47
11	Facile Patterning of Laser-Induced Graphene with Tailored Li Nucleation Kinetics for Stable Lithium-Metal Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901796.	19.5	76
12	Orientation-Dependent Intercalation Channels for Lithium and Sodium in Black Phosphorus. <i>Advanced Materials</i> , 2019, 31, e1904623.	21.0	44
13	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.	6.7	17
14	Nitrogen-doped graphene fiber webs for multi-battery energy storage. <i>Nanoscale</i> , 2019, 11, 6334-6342.	5.6	38
15	Spider-Web-Inspired Stretchable Graphene Woven Fabric for Highly Sensitive, Transparent, Wearable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2282-2294.	8.0	105
16	Correlation between Li Plating Behavior and Surface Characteristics of Carbon Matrix toward Stable Li Metal Anodes. <i>Advanced Energy Materials</i> , 2019, 9, 1802777.	19.5	109
17	Ultrathin Sb_2S_3 nanosheet anodes for exceptional pseudocapacitive contribution to multi-battery charge storage. <i>Energy Storage Materials</i> , 2019, 20, 36-45.	18.0	51
18	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.	5.2	61

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19	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.	10.3	128
20	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.	19.5	135
21	Rational Assembly of Hollow Microporous Carbon Spheres as P Hosts for Long-Life Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702267.	19.5	85
22	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.	10.3	44
23	<i>In situ</i> TEM study of lithiation into a PPy coated \pm -MnO ₂ /graphene foam freestanding electrode. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1481-1488.	5.9	16
24	Novel 2D Sb ₂ S ₃ Nanosheet/CNT Coupling Layer for Exceptional Polysulfide Recycling Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800710.	19.5	93
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.	18.0	36
26	Dense graphene monolith oxygen cathodes for ultrahigh volumetric energy densities. <i>Energy Storage Materials</i> , 2017, 9, 134-139.	18.0	19
27	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.	18.0	85
28	Atomic scale, amorphous FeOx/carbon nanofiber anodes for Li-ion and Na-ion batteries. <i>Energy Storage Materials</i> , 2017, 8, 10-19.	18.0	78
29	Recent progress in rational design of anode materials for high-performance Na-ion batteries. <i>Energy Storage Materials</i> , 2017, 7, 64-114.	18.0	211
30	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.	19.5	152
31	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.	7.8	84
32	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.	16.0	35
33	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.	10.3	111