

Peng Dai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10030620/publications.pdf>

Version: 2024-02-01

14
papers

352
citations

1040056

9
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonvolatile and Nonflammable Sulfolane-Based Electrolyte Achieving Effective and Safe Operation of the LiO_2 Battery in Open O_2 Environment. <i>Nano Letters</i> , 2022, 22, 815-821.	9.1	16
2	A novel high-energy-density lithium-free anode dual-ion battery and <i>in situ</i> revealing the interface structure evolution. <i>Chemical Science</i> , 2022, 13, 4058-4069.	7.4	5
3	Regulating the Architecture of a Solid Electrolyte Interface on a Li-Metal Anode of a LiO_2 Battery by a Dithiobiuret Additive. , 2022, 4, 682-691.		5
4	Rigid and Flexible SEI Layer Formed Over a Cross-Linked Polymer for Enhanced Ultrathin Li Metal Anode Performance. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
5	Investigation and Suppression of Oxygen Release by $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ Cathode under Overcharge Conditions. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	40
6	Copper Substitution in P2-Type Sodium Layered Oxide To Mitigate Phase Transition and Enhance Cyclability of Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29813-29821.	8.0	4
7	Amidinothiourea as a new deposition-regulating additive for dendrite-free lithium metal anodes. <i>Chemical Communications</i> , 2021, 57, 10055-10058.	4.1	9
8	Succinic anhydride as a deposition-regulating additive for dendrite-free lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17317-17326.	10.3	25
9	Synergistic Dual-Additive Electrolyte for Interphase Modification to Boost Cyclability of Layered Cathode for Sodium Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2010500.	14.9	43
10	Insights into the Li incorporation effect in Ni/Co-free P2-type $\text{Na}_{0.6}\text{Mn}_{0.8}\text{Cu}_{0.2}\text{O}_2$ for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22346-22355.	10.3	10
11	A solid-state dendrite-free lithium-metal battery with improved electrode interphase and ion conductivity enhanced by a bifunctional solid plasticizer. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19565-19572.	10.3	32
12	Probing into the working mechanism of Mg versus Co in enhancing the electrochemical performance of P2-Type layered composite for sodium-ion batteries. <i>Nano Energy</i> , 2019, 60, 162-170.	16.0	48
13	Tuning Electrochemical Properties of Li-Rich Layered Oxide Cathodes by Adjusting Co/Ni Ratios and Mechanism Investigation Using <i>in situ</i> X-ray Diffraction and Online Continuous Flow Differential Electrochemical Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12666-12677.	8.0	72
14	Reducing Safety Hazards by Optimizing the Morphology of the $\text{LiNi}_{0.5}\text{Co}_{0.25}\text{Mn}_{0.25}\text{O}_2$ Cathode Material under Abuse Conditions. <i>ACS Applied Energy Materials</i> , 0, , .	5.1	1