

Yan-Yun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

546
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840776

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docs citations

13
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of interfaces within solid-state electrolytes: fundamentals, issues and advancements. Chemical Engineering Journal, 2022, 437, 135179.	12.7	27
2	General flux-free synthesis of single crystal Ni-rich layered cathodes by employing a Li-containing spinel transition phase for lithium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 16420-16429.	10.3	14
3	Research progress on the interfaces of solid-state lithium metal batteries. Journal of Materials Chemistry A, 2021, 9, 9481-9505.	10.3	19
4	Mitigating the Microcracks of High-Ni Oxides by <i>In Situ</i> Formation of Binder between Anisotropic Grains for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 13923-13930.	8.0	10
5	Metalophilic Gel Polymer Electrolyte for in Situ Tailoring Cathode/Electrolyte Interface of High-Nickel Oxide Cathodes in Quasi-Solid-State Li-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 14830-14839.	8.0	39
6	In-situ surface modification to stabilize Ni-rich layered oxide cathode with functional electrolyte. Journal of Power Sources, 2019, 410-411, 115-123.	7.8	67
7	LiMn _{0.8} Fe _{0.2} PO ₄ /Carbon Nanospheres@Graphene Nanoribbons Prepared by the Biomineralization Process as the Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 16500-16510.	8.0	41
8	Improving Li ⁺ Kinetics and Structural Stability of Nickel-Rich Layered Cathodes by Heterogeneous Inactive-Al ³⁺ Doping. ACS Sustainable Chemistry and Engineering, 2018, 6, 5653-5661.	6.7	60
9	Multishell Precursors Facilitated Synthesis of Concentration-Gradient Nickel-Rich Cathodes for Long-Life and High-Rate Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 24508-24515.	8.0	38
10	Na-Doped LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ with Excellent Stability of Both Capacity and Potential as Cathode Materials for Li-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 3881-3889.	5.1	112
11	Micron-sized monocrystalline LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ as high-volumetric-energy-density cathode for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 12344-12352.	10.3	99
12	Preparation and electrochemical characterization of Li(Li _{0.17} Ni _{0.2} Co _{0.05} Mn _{0.58})O ₂ coated with LiAlO ₂ . Journal of Solid State Electrochemistry, 2015, 19, 805-812.	2.5	16
13	Li-Rich Layered Oxide Microspheres Prepared by the Biomineralization as High-Rate and Cycling-Stable Cathode for Li-Ion Batteries. ACS Applied Energy Materials, 0, , .	5.1	4