

# Yan-Yun Sun

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Na-Doped $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ 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
2	Micron-sized monocrystalline $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ as high-volumetric-energy-density cathode for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 12344-12352.	10.3	99
3	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
4	Improving $\text{Li}^+$ Kinetics and Structural Stability of Nickel-Rich Layered Cathodes by Heterogeneous Inactive- $\text{Al}^{3+}$ Doping. ACS Sustainable Chemistry and Engineering, 2018, 6, 5653-5661.	6.7	60
5	$\text{LiMn}_{0.8}\text{Fe}_{0.2}\text{PO}_4/\text{Carbon Nanospheres@Graphene Nanoribbons}$ Prepared by the Biomineralization Process as the Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 16500-16510.	8.0	41
6	Metallophilic 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
7	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
8	A review of interfaces within solid-state electrolytes: fundamentals, issues and advancements. Chemical Engineering Journal, 2022, 437, 135179.	12.7	27
9	Research progress on the interfaces of solid-state lithium metal batteries. Journal of Materials Chemistry A, 2021, 9, 9481-9505.	10.3	19
10	Preparation and electrochemical characterization of $\text{Li}(\text{Li}_{0.17}\text{Ni}_{0.2}\text{Co}_{0.05}\text{Mn}_{0.58})\text{O}_2$ coated with $\text{LiAlO}_2$ . Journal of Solid State Electrochemistry, 2015, 19, 805-812.	2.5	16
11	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
12	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
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