

Tailoring grain boundary structures and chemistry of N enhanced cycle stability of lithium-ion batteries

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chemomechanical behaviors of layered cathode materials in alkali metal ion batteries. Journal of Materials Chemistry A, 2018, 6, 21859-21884.	5.2	139
2	Pyrite FeS ₂ as an in-situ oxygen remover for rechargeable batteries with layered cathode materials. Journal of Power Sources, 2018, 403, 167-172.	4.0	17
3	ICAC 2018: The First International Conference Focused on NCM & NCA Cathode Materials for Lithium Ion Batteries. ACS Energy Letters, 2018, 3, 2757-2760.	8.8	9
4	Facile synthesis of carbon-LiMnPO ₄ nanorods with hierarchical architecture as a cathode for high-performance Li-ion batteries. Electrochimica Acta, 2018, 289, 415-421.	2.6	35
5	In situ formed LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ @Li ₄ SiO ₄ composite cathode material with high rate capability and long cycling stability for lithium-ion batteries. Nano Energy, 2018, 53, 613-621.	8.2	243
6	Surface and Subsurface Reactions of Lithium Transition Metal Oxide Cathode Materials: An Overview of the Fundamental Origins and Remedying Approaches. Advanced Energy Materials, 2018, 8, 1802057.	10.2	207
7	Sintering mechanisms and dielectric properties of cold sintered (1-x) SiO ₂ - x PTFE composites. Journal of the European Ceramic Society, 2019, 39, 4743-4751.	2.8	51
8	Manipulation of an ionic and electronic conductive interface for highly-stable high-voltage cathodes. Nano Energy, 2019, 65, 103988.	8.2	45
9	Performance and Stability Improvement of Layered NCM Lithium-Ion Batteries at High Voltage by a Microporous Al ₂ O ₃ Sol-Gel Coating. ACS Omega, 2019, 4, 13972-13980.	1.6	57
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13	Identifying and Addressing Critical Challenges of High-Voltage Layered Ternary Oxide Cathode Materials. Chemistry of Materials, 2019, 31, 6033-6065.	3.2	164
14	Surface modification of Li rich Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ cathode particles. Ceramics International, 2019, 45, 20016-20021.	2.3	14
15	Cobalt oxide nanoparticles anchored on discharged-graphene film for lithium-ion battery. Solid State Ionics, 2019, 340, 115006.	1.3	5
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17	Enhanced High-Temperature Electrochemical Performance of Layered Nickel-Rich Cathodes for Lithium-Ion Batteries after LiF Surface Modification. ChemElectroChem, 2019, 6, 5428-5432.	1.7	31
18	Designing In-Situ-Formed Interphases Enables Highly Reversible Cobalt-Free LiNiO ₂ Cathode for Li-ion and Li-metal Batteries. Joule, 2019, 3, 2550-2564.	11.7	167

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20	Pharmacokinetics of ceftiofur sodium in cats following a single intravenous and subcutaneous injection. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 602-608.	0.6	2
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22	Systematic Comparison of Al ³⁺ Modified LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ Cathode Material from Recycling Process. <i>ACS Applied Energy Materials</i> , 2019, 2, 8818-8825.	2.5	6
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25	Dynamic ICSP Graph Optimization Approach for Car-Like Robot Localization in Outdoor Environments. <i>Computers</i> , 2019, 8, 63.	2.1	3
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33	Insights into Boron-Based Polyanion-Tuned High-Nickel Cathodes for High-Energy-Density Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2019, 31, 8886-8897.	3.2	71
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41	Enhancing high-voltage performances of nickel-based cathode material via aluminum and progressive concentration gradient modification. <i>Electrochimica Acta</i> , 2019, 317, 459-467.	2.6	10
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68	Microstructural visualization of compositional changes induced by transition metal dissolution in Ni-rich layered cathode materials by high-resolution particle analysis. <i>Nano Energy</i> , 2019, 56, 434-442.	8.2	132
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93	In situ formed $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2@ \text{LiF}$ composite cathode material with high rate capability and long cycling stability for lithium-ion batteries. <i>Ionics</i> , 2020, 26, 2165-2176.	1.2	12
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108	Electron Backscatter Diffraction for Investigating Lithium-Ion Electrode Particle Architectures. <i>Cell Reports Physical Science</i> , 2020, 1, 100137.	2.8	34

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110	Long-Life, Ultrahigh-Nickel Cathodes with Excellent Air Storage Stability for High-Energy Density Lithium-Based Batteries. <i>Chemistry of Materials</i> , 2020, 32, 7413-7424.	3.2	49
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