

Lithium Deficiencies Engineering in Li-Rich Layered Oxide
 $\text{Li}_{1.098}\text{Mn}_{0.533}\text{Ni}_{0.113}\text{O}_2$
for High-Stability Cathode

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Temperature-Controlled Synthesis of Li- and Mn-Rich $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ Hollow Nano/Sub-Microsphere Electrodes for High-Performance Lithium-Ion Battery. ACS Omega, 2019, 4, 20285-20296.	1.6	20
2	Recent developments and challenges of Li-rich Mn-based cathode materials for high-energy lithium-ion batteries. Materials Today Energy, 2020, 18, 100518.	2.5	36
3	Function and Application of Defect Chemistry in High-Capacity Electrode Materials for Li-Based Batteries. Chemistry - an Asian Journal, 2020, 15, 3620-3636.	1.7	12
4	Surface Modification of Li-Rich Mn-Based Layered Oxide Cathodes: Challenges, Materials, Methods, and Characterization. Advanced Energy Materials, 2020, 10, 2002506.	10.2	108
5	Anionic redox reactions and structural degradation in a cation-disordered rock-salt $\text{Li}_{1.2}\text{Ti}_{0.4}\text{Mn}_{0.4}\text{O}_2$ cathode material revealed by solid-state NMR and EPR. Journal of Materials Chemistry A, 2020, 8, 16515-16526.	5.2	37
6	Reinforcing the surface conductivity and stability of primary particles for high-performance Li-rich layered $\text{Li}_{1.18}\text{Mn}_{0.52}\text{Co}_{0.15}\text{Ni}_{0.15}\text{O}_2$ via an integrated strategy. Inorganic Chemistry Frontiers, 2020, 7, 3154-3164.	3.0	10
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8	Effect of Na Doping or Substitution on the Structural and Electrochemical Properties of Cobalt-Free Li-Rich Mn-Based Cathode Materials. Materials Science Forum, 0, 1001, 181-190.	0.3	0
9	Surface Architecture Design of $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ Cathode with Synergistic Organics Encapsulation to Enhance Electrochemical Stability. ChemSusChem, 2020, 13, 5699-5710.	3.6	17
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11	A novel morphology-controlled synthesis of Na ⁺ -doped Li- and Mn-rich cathodes by the self-assembly of amphiphilic spherical micelles. Sustainable Materials and Technologies, 2020, 25, e00171.	1.7	10
12	Surface regulation enables high stability of single-crystal lithium-ion cathodes at high voltage. Nature Communications, 2020, 11, 3050.	5.8	225
13	Dielectric Polarization in Inverse Spinel-Structured Mg_2TiO_4 Coating to Suppress Oxygen Evolution of Li-Rich Cathode Materials. Advanced Materials, 2020, 32, e2000496.	11.1	134
14	Lifting the energy density of lithium ion batteries using graphite film current collectors. Journal of Power Sources, 2020, 455, 227991.	4.0	19
15	Recent progress in all-solid-state lithium batteries: The emerging strategies for advanced electrolytes and their interfaces. Energy Storage Materials, 2020, 31, 401-433.	9.5	107
16	Exploring the activating voltages on the electrochemical performances of $\text{Li}_{1.17}\text{Ni}_{0.139}\text{Co}_{0.139}\text{Mn}_{0.552}\text{O}_2$ cathode materials. Journal of Electroanalytical Chemistry, 2020, 863, 114005.	1.9	2
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18	Clearing surficial charge-transport obstacles to boost the performance of lithium-rich layered oxides. Chemical Engineering Journal, 2020, 399, 125142.	6.6	12

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20	Revealing the fake initial coulombic efficiency of spinel/layered Li-rich cathode materials. Electrochimica Acta, 2020, 347, 136279.	2.6	10
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26	In-situ surface chemical and structural self-reconstruction strategy enables high performance of Li-rich cathode. Nano Energy, 2021, 79, 105459.	8.2	53
27	Stabilizing Anionic Redox Chemistry in a Mn-Based Layered Oxide Cathode Constructed by Li-Deficient Pristine State. Advanced Materials, 2021, 33, e2004280.	11.1	67
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29	Interfacial Degradation and Optimization of Li-Rich Cathode Materials. Chinese Journal of Chemistry, 2021, 39, 402-420.	2.6	11
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38	Boosting Electron Transfer with Heterointerface Effect for High-Performance Lithium-Ion Storage. Energy Storage Materials, 2021, 36, 365-375.	9.5	61
39	Dual-redox enhanced supercapacitors with sodium anthraquinone-2-sulfonate and potassium bromide. Electrochimica Acta, 2021, 374, 137889.	2.6	14
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57	Consecutive chemical bonds reconstructing surface structure of silicon anode for high-performance lithium-ion battery. <i>Energy Storage Materials</i> , 2021, 39, 354-364.	9.5	91
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76	Systematic study of the effects of lithium deficiencies on the crystal structure and electrochemical performance of Li-rich materials. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163549.	2.8	6
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92	Scalable Nitrate Treatment for Constructing Integrated Surface Structures to Mitigate Capacity Fading and Voltage Decay of Li-Rich Layered Oxides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
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102	Adjustable Mixed Conductive Interphase for Dendrite-Free Lithium Metal Batteries. <i>ACS Nano</i> , 2022, 16, 13101-13110.	7.3	19
103	Electrochemical performances of Li-rich Mn-based layered structure cathodes optimized by compositional design. <i>Journal of Solid State Electrochemistry</i> , 0, , .	1.2	1
104	Modulation of lattice oxygen boosts the electrochemical activity and stability of Co-free Li-rich cathodes. <i>Journal of Energy Chemistry</i> , 2022, 75, 117-126.	7.1	13
105	Modulating Vacancies Concentration Ratio of Cationic and Anionic in Wo_3 for Driving High Performance Magnesium Ions Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
106	Toward high stability single crystal material by structural regulation with high and low temperature mixing sinter. <i>Ceramics International</i> , 2023, 49, 4184-4192.	2.3	1
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108	Continuously Interconnected N-Doped Porous Carbon for High-Performance Lithium-Ion Capacitors. <i>Nanoenergy Advances</i> , 2022, 2, 303-315.	3.6	7

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111	Diffusion-induced stress optimization by boosted surface Li-concentration for single-crystal Ni-rich layered cathodes. <i>Materials Today</i> , 2022, 61, 40-53.	8.3	20
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128	Voltage Hysteresis in Transition Metal Oxide Cathodes for Li/Na-ion Batteries. Advanced Functional Materials, 2023, 33, .	7.8	4
129	Synergistic structure of LiFeO ₂ and Fe ₂ O ₃ layers with electrostatic shielding effect to suppress surface lattice oxygen release of Ni-rich cathode. Chemical Engineering Journal, 2023, 465, 142750.	6.6	2
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131	One-pot K ⁺ and PO ₄ ³⁻ co-doping enhances electrochemical performance of Li-rich Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode for Li-ion battery. Electrochimica Acta, 2023, 454, 142390.	2.6	3
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