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Understanding the Degradation Mechanisms of  
 $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$  Cathode Material in Lithium Ion Batteries

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| 638 | Oxygen Release Induced Chemomechanical Breakdown of Layered Cathode Materials. <b>2018</b> , 18, 3241-3249  |      | 163 |
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| 607 | Controllable Solid Electrolyte Interphase in Nickel-Rich Cathodes by an Electrochemical Rearrangement for Stable Lithium-Ion Batteries. <b>2018</b> , 30, 1704309  |      | 65  |
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| 595 | Thermal Behavior of Ni-Rich Layered Oxide Cathode Materials during Cycling of 20 Ah-Scale Li-Ion Batteries. <b>2018</b> , 165, A3837-A3843   | 4   |
| 594 | Manganese phosphate coated Li[Ni <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> ]O <sub>2</sub> cathode material: Towards superior cycling stability at elevated temperature and high voltage. <b>2018</b> , 402, 263-271                    | 69  |
| 593 | Temperature Dependence of Oxygen Release from LiNi <sub>0.6</sub> Mn <sub>0.2</sub> Co <sub>0.2</sub> O <sub>2</sub> (NMC622) Cathode Materials for Li-Ion Batteries. <b>2018</b> , 165, A2869-A2879   | 73  |
| 592 | Construction of homogeneously Al <sup>3+</sup> doped Ni rich Ni-Co-Mn cathode with high stable cycling performance and storage stability via scalable continuous precipitation. <b>2018</b> , 291, 84-94   | 106 |
| 591 | Surface Structural and Chemical Evolution of Layered LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> (NCA) under High Voltage and Elevated Temperature Conditions. <b>2018</b> , 30, 8431-8445                          | 32  |
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| 585 | Thiophene-initiated polymeric artificial cathode-electrolyte interface for Ni-rich cathode material. <b>2018</b> , 290, 465-473  | 24  |
| 584 | Design of Positive Electrodes for Li-Ion Full Cells with Silicon. <b>2018</b> , 165, A2968-A2977   | 8   |
| 583 | Atomic-Scale Observation of LiFePO <sub>4</sub> and LiCoO <sub>2</sub> Dissolution Behavior in Aqueous Solutions. <b>2018</b> , 28, 1804564  | 22  |
| 582 | Regenerating of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> cathode materials from spent lithium-ion batteries. <b>2018</b> , 29, 17661-17669   | 17  |
| 581 | Synergistic Effect of F Doping and LiF Coating on Improving the High-Voltage Cycling Stability and Rate Capacity of LiNiCoMnO Cathode Materials for Lithium-Ion Batteries. <b>2018</b> , 10, 34153-34162   | 79  |

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| 578 | Aberration-Corrected Scanning Transmission Electron Microscopy of Single Crystals and Chemically-Gradient NMC Cathodes. <b>2018</b> , 24, 1536-1537   |      | 2   |
| 577 | High-performance Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> cathode materials prepared through a facile one-pot co-precipitation process for lithium ion batteries. <b>2018</b> , 762, 272-281  |      | 18  |
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| 574 | Electrochemical Degradation Mechanism and Thermal Behaviors of the Stored LiNiCoMnO Cathode Materials. <b>2018</b> , 10, 25454-25464  |      | 25  |
| 573 | Multishell Precursors Facilitated Synthesis of Concentration-Gradient Nickel-Rich Cathodes for Long-Life and High-Rate Lithium-Ion Batteries. <b>2018</b> , 10, 24508-24515   |      | 22  |
| 572 | Resolving the Compositional and Structural Defects of Degraded Li <sub>Nix</sub> CoyMnzO <sub>2</sub> Particles to Directly Regenerate High-Performance Lithium-Ion Battery Cathodes. <b>2018</b> , 3, 1683-1692  |      | 136 |
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| 296 | All-Solid-State Lithium Batteries with Sulfide Electrolytes and Oxide Cathodes. <b>2021</b> , 4, 101-135   | 65      |
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| 294 | Challenges and recent progress in LiNi <sub>x</sub> Co <sub>y</sub> Mn <sub>1-x-y</sub> O <sub>2</sub> (NCM) cathodes for lithium ion batteries. <b>2021</b> , 58, 1-27  | 10      |
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| 271 | Understanding cation-disordered rocksalt oxyfluoride cathodes. <b>2021</b> , 9, 7826-7837   |      | 6  |
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| 261 | High Power Cathodes from Poly(2,2,6,6-Tetramethyl-1-Piperidinyloxy Methacrylate)/Li(NiMnCo)O Hybrid Composites. <b>2021</b> , 13,   |      |    |
| 260 | In Situ Induced Surface Reconstruction of Single-Crystal Lithium-Ion Cathode Toward Effective Interface Compatibility. <b>2021</b> , 13, 13771-13780  |      | 5  |
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| 258 | Dual-modification of WO <sub>3</sub> -coating and Mg-doping on LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathodes for enhanced electrochemical performance at high voltage. <b>2021</b> , 27, 1909-1917                |      | 1  |
| 257 | Zinc-Doped High-Nickel, Low-Cobalt Layered Oxide Cathodes for High-Energy-Density Lithium-Ion Batteries. <b>2021</b> , 13, 15324-15332  |      | 33 |

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| 254 | Enhancing the Electrochemical Performance and Structural Stability of Ni-Rich Layered Cathode Materials via Dual-Site Doping. <b>2021</b> , 13, 19950-19958   |      | 10 |
| 253 | Investigation of the Difference in Charge/Discharge Resistance for Cathode Materials after Cycle Test Combined with STEM-EELS and XAFS Analysis. <b>2021</b> , 168, 040533  |      |    |
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| 240 | Evolution and expansion of Li concentration gradient during charge-discharge cycling. <b>2021</b> , 12, 3814  |      | 17 |
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| 229 | Improvement of Cyclic Stability of Na <sub>0.67</sub> Mn <sub>0.8</sub> Ni <sub>0.1</sub> Co <sub>0.1</sub> O <sub>2</sub> via Suppressing Lattice Variation. <b>2021</b> , 38, 076102                               | 1       |
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| 215 | Low-temperature strategy to synthesize single-crystal LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> with enhanced cycling performances as cathode material for lithium-ion batteries. 1                           |      | 6  |
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| 195 | Liquid-Phase Transmission Electron Microscopy for Studying Colloidal Inorganic Nanoparticles. <b>2018</b> , 30, 1703316  | 52 |
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