

Recent progress of surface coating on cathode materials lithium-ion batteries

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Reduced Lithium/Nickel Disorder Degree of Sodium-Doped Lithium-Rich Layered Oxides for Cathode Materials: Experiments and Calculations. <i>ChemElectroChem</i> , 2020, 7, 246-251.	1.7	17
2	Improved electrochemical behavior of Li-rich cathode $\text{Li}_{1.4}\text{Mn}_{0.61}\text{Ni}_{0.18}\text{Co}_{0.18}\text{Al}_{0.03}\text{O}_{2.4}$ via Y_2O_3 surface coating. <i>Materials Characterization</i> , 2020, 169, 110602.	1.9	9
3	Structural and Electrochemical Properties of $\text{Li}_{1.2}\text{Ni}_{0.16}\text{Mn}_{0.54}\text{Co}_{0.08}\text{O}_2$ - Al_2O_3 Composite Prepared by Atomic Layer Deposition as the Cathode Material for LIBs. <i>International Journal of Electrochemical Science</i> , 2020, 15, 10759-10771.	0.5	7
4	Improved electrochemical performance of SiO_2 -coated Li-rich layered oxides- $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Mn}_{0.54}\text{Co}_{0.13}\text{O}_2$. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19475-19486.	1.1	5
5	Improving Electrochemical Cycling Stability of Ni-Rich $\text{LiNi}_{0.91}\text{Co}_{0.06}\text{Al}_{0.03}\text{O}_2$ Cathode Materials through H_3BO_3 and Y_2O_3 Composite Coating. <i>ChemElectroChem</i> , 2020, 7, 4730-4736.	1.7	6
6	Efficient nitrate and oxygen electroreduction over pyrolysis-free mesoporous covalent Co-salophen coordination frameworks on carbon nanotubes. <i>Electrochimica Acta</i> , 2020, 363, 137280.	2.6	15
7	Understanding the Design Principles of Advanced Aqueous Zinc-Ion Battery Cathodes: From Transport Kinetics to Structural Engineering, and Future Perspectives. <i>Advanced Energy Materials</i> , 2020, 10, 2002354.	10.2	193
8	Surface Modification Strategies for Improving the Cycling Performance of Ni-Rich Cathode Materials. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3117-3130.	1.0	46
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10	Improved sodium storage properties of Zr-doped $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3/\text{C}$ as cathode material for sodium ion batteries. <i>Ceramics International</i> , 2020, 46, 28490-28498.	2.3	28
11	Recent Developments of Nanomaterials and Nanostructures for High-Rate Lithium Ion Batteries. <i>ChemSusChem</i> , 2020, 13, 5361-5407.	3.6	46
12	Enhanced cycling stability of nickel-rich layered oxide by tantalum doping. <i>Journal of Power Sources</i> , 2020, 473, 228597.	4.0	71
13	Synthesis and Mechanism of High Structural Stability of Nickel-Rich Cathode Materials by Adjusting Li-Excess. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40393-40403.	4.0	93
14	Performance of a Kind of Organic Emulsion Coated Phosphogypsum Particles. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 872-878.	0.4	3
15	Coating-Mediated Nanomechanical Behaviors of CuO Electrodes in Li- and Na-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001161.	1.9	8
16	Degradation mechanism and performance enhancement strategies of $\text{LiNi}_x\text{Co}_y\text{Al}_{1-x-y}\text{O}_2$ ($x+y=0.8$) cathodes for rechargeable lithium-ion batteries: a review. <i>Ionics</i> , 2020, 26, 3199-3214.	1.2	11
17	Three-Dimensional Walnut-Like, Hierarchically Nanoporous Carbon Microspheres: One-Pot Synthesis, Activation, and Supercapacitive Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8024-8036.	3.2	32
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38	Review of vanadium-based electrode materials for rechargeable aqueous zinc ion batteries. Journal of Energy Chemistry, 2021, 56, 223-237.	7.1	155
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