

Ning Li

List of Publications by Year in descending order

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36
papers

2,572
citations

201385

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35
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docs citations

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times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinel/Layered Heterostructured Cathode Material for High-Capacity and High-Rate Li-Ion Batteries. <i>Advanced Materials</i> , 2013, 25, 3722-3726.	11.1	249
2	Ultrathin Spinel Membrane-Encapsulated Layered Lithium-Rich Cathode Material for Advanced Li-Ion Batteries. <i>Nano Letters</i> , 2014, 14, 3550-3555.	4.5	227
3	Hierarchical $\text{Li}_{1.2}\text{Ni}_{0.2}\text{Mn}_{0.6}\text{O}_2$ Nanoplates with Exposed {010} Planes as High-Performance Cathode Material for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2014, 26, 6756-6760.	11.1	220
4	Graphene in Supercapacitor Applications. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 416-428.	3.4	154
5	Sphere-Shaped Hierarchical Cathode with Enhanced Growth of Nanocrystal Planes for High-Rate and Cycling-Stable Li-Ion Batteries. <i>Nano Letters</i> , 2015, 15, 656-661.	4.5	119
6	The role of yttrium content in improving electrochemical performance of layered lithium-rich cathode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9760.	5.2	116
7	Unraveling the Cationic and Anionic Redox Reactions in a Conventional Layered Oxide Cathode. <i>ACS Energy Letters</i> , 2019, 4, 2836-2842.	8.8	111
8	3D coral-like nitrogen-sulfur co-doped carbon-sulfur composite for high performance lithium-sulfur batteries. <i>Scientific Reports</i> , 2015, 5, 13340.	1.6	104
9	Layer-by-Layer Assembled Architecture of Polyelectrolyte Multilayers and Graphene Sheets on Hollow Carbon Spheres/Sulfur Composite for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 5488-5494.	4.5	104
10	Can surface modification be more effective to enhance the electrochemical performance of lithium rich materials?. <i>Journal of Materials Chemistry</i> , 2012, 22, 1489-1497.	6.7	92
11	High-voltage and high-safety nickel-rich layered cathode enabled by a self-reconstructive cathode/electrolyte interphase layer. <i>Energy Storage Materials</i> , 2021, 41, 495-504.	9.5	87
12	Rod-like hierarchical nano/micro $\text{Li}_{1.2}\text{Ni}_{0.2}\text{Mn}_{0.6}\text{O}_2$ as high performance cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013, 240, 644-652.	4.0	86
13	Renovation of LiCoO_2 with outstanding cycling stability by thermal treatment with Li_2CO_3 from spent Li-ion batteries. <i>Journal of Energy Storage</i> , 2016, 8, 262-273.	3.9	86
14	Preparation and electrochemical performance of Li-rich layered cathode material, $\text{Li}[\text{Ni}_{0.2}\text{Li}_{0.2}\text{Mn}_{0.6}]\text{O}_2$, for lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 783-789.	1.5	77
15	The nature of irreversible phase transformation propagation in nickel-rich layered cathode for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 62, 351-358.	7.1	74
16	The mechanism of side reaction induced capacity fading of Ni-rich cathode materials for lithium ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 58, 1-8.	7.1	73
17	Strategies of Removing Residual Lithium Compounds on the Surface of Ni-Rich Cathode Materials. <i>Chinese Journal of Chemistry</i> , 2021, 39, 189-198.	2.6	52
18	Enhanced Electrochemical Performance of Layered Lithium-Rich Cathode Materials by Constructing Spinel-Structure Skin and Ferric Oxide Islands. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8669-8678.	4.0	50

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19	Role of Cobalt Content in Improving the Low-Temperature Performance of Layered Lithium-Rich Cathode Materials for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 17910-17918.	4.0	47
20	High-performance LiFePO ₄ /C electrode with polytetrafluoroethylene as an aqueous-based binder. Journal of Power Sources, 2015, 298, 292-298.	4.0	46
21	Research Progress of Lithium Plating on Graphite Anode in <sc>Lithium-ion</sc> Batteries. Chinese Journal of Chemistry, 2021, 39, 165-173.	2.6	45
22	Urea-assisted mixed gas treatment on Li-Rich layered oxide with enhanced electrochemical performance. Journal of Energy Chemistry, 2022, 66, 123-132.	7.1	45
23	Layered-rocksalt intergrown cathode for high-capacity zero-strain battery operation. Nature Communications, 2021, 12, 2348.	5.8	43
24	A Universal Method for Enhancing the Structural Stability of Ni-Rich Cathodes Via the Synergistic Effect of Dual-Element Cosubstitution. ACS Applied Materials & Interfaces, 2021, 13, 24925-24936.	4.0	43
25	Correlating the phase evolution and anionic redox in Co-Free Ni-Rich layered oxide cathodes. Nano Energy, 2020, 78, 105365.	8.2	36
26	Anionic Redox Activities Boosted by Aluminum Doping in Layered Sodium-ion Battery Electrode. Small Methods, 2022, 6, e2101524.	4.6	35
27	Unrevealing the effects of low temperature on cycling life of 21700-type cylindrical Li-ion batteries. Journal of Energy Chemistry, 2021, 60, 104-110.	7.1	31
28	Roles of Fast-ion Conductor LiTaO ₃ Modifying Ni-rich Cathode Material for Li-ion Batteries. ChemSusChem, 2021, 14, 1955-1961.	3.6	26
29	Advances and Prospects of Surface Modification on <sc>Nickel-rich</sc> Materials for <sc>Lithium-ion</sc> Batteries^{â€}. Chinese Journal of Chemistry, 2020, 38, 1817-1831.	2.6	24
30	High-Temperature Storage Deterioration Mechanism of Cylindrical 21700-Type Batteries Using Ni-Rich Cathodes under Different SOCs. ACS Applied Materials & Interfaces, 2021, 13, 6286-6297.	4.0	17
31	Progression of the silicate cathode materials used in lithium ion batteries. Science Bulletin, 2013, 58, 575-584.	1.7	15
32	Ultrathin 3 V Spinel Clothed Layered Lithium-rich Oxides as Heterostructured Cathode for High-energy and High-power Li-ion Batteries. Chinese Journal of Chemistry, 2021, 39, 345-352.	2.6	12
33	Interfacial Degradation and Optimization of Li-rich Cathode Materials^{â€}. Chinese Journal of Chemistry, 2021, 39, 402-420.	2.6	11
34	Methods for promoting electrochemical properties of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ for lithium-ion batteries. Science Bulletin, 2013, 58, 1869-1875.	1.7	8
35	Sublimated Se-induced Formation of Dual-conductive Surface Layers for High-performance Ni-rich Layered Cathodes. ChemElectroChem, 2021, 8, 4207-4217.	1.7	7
36	Particle Morphology and Electrochemical Performance of LiFePO ₄ ; Synthesized via Hydrothermal Process at 200°C. Advanced Materials Research, 0, 391-392, 926-930.	0.3	0