

Jianyu Li

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,336
citations

687363

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#	ARTICLE	IF	CITATIONS
1	Modified High-Nickel Cathodes with Stable Surface Chemistry Against Ambient Air for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6480-6485.	13.8	234
2	Extending the Service Life of High-Ni Layered Oxides by Tuning the Electrode-Electrolyte Interphase. <i>Advanced Energy Materials</i> , 2018, 8, 1801957.	19.5	171
3	A 3D Lithiophilic Mo ₂ N-Modified Carbon Nanofiber Architecture for Dendrite-Free Lithium-Metal Anodes in a Full Cell. <i>Advanced Materials</i> , 2019, 31, e1904537.	21.0	139
4	A Comprehensive Analysis of the Interphasial and Structural Evolution over Long-Term Cycling of Ultrahigh-Nickel Cathodes in Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902731.	19.5	131
5	<i>In-Situ</i> Assembled VS ₄ as a Polysulfide Mediator for High-Loading Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1177-1185.	17.4	120
6	Facilitating the Operation of Lithium-Ion Cells with High-Nickel Layered Oxide Cathodes with a Small Dose of Aluminum. <i>Chemistry of Materials</i> , 2018, 30, 3101-3109.	6.7	119
7	Lattice doping regulated interfacial reactions in cathode for enhanced cycling stability. <i>Nature Communications</i> , 2019, 10, 3447.	12.8	116
8	Ethylene Carbonate-Free Electrolytes for High-Nickel Layered Oxide Cathodes in Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901152.	19.5	78
9	Rational Design of a Laminated Dual-Polymer/Polymer-Ceramic Composite Electrolyte for High-Voltage All-Solid-State Lithium Batteries. , 2020, 2, 317-324.		59
10	Thermodynamics of Antisite Defects in Layered NMC Cathodes: Systematic Insights from High-Precision Powder Diffraction Analyses. <i>Chemistry of Materials</i> , 2020, 32, 1002-1010.	6.7	44
11	Modified High-Nickel Cathodes with Stable Surface Chemistry Against Ambient Air for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2018, 130, 6590-6595.	2.0	38
12	Measurement and Correlation of the Solubility of Penicillin V Potassium in Ethanol + Water and 1-Butyl Alcohol + Water Systems. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 112-117.	1.9	33
13	Long-life LiNi _{0.5} Mn _{1.5} O ₄ /graphite lithium-ion cells with an artificial graphite-electrolyte interface. <i>Energy Storage Materials</i> , 2021, 43, 499-508.	18.0	22
14	Extending the limits of powder diffraction analysis: Diffraction parameter space, occupancy defects, and atomic form factors. <i>Review of Scientific Instruments</i> , 2018, 89, 093002.	1.3	18
15	Toward Long-Life, Ultrahigh-Nickel Layered Oxide Cathodes for Lithium-Ion Batteries: Optimizing the Interphase Chemistry with a Dual-Functional Polymer. <i>Chemistry of Materials</i> , 2020, 32, 759-768.	6.7	14