

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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1058476

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times ranked

1728
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | <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 |
| 5 | Rational Design of a Laminated Dual-Polymer/Polymer-Ceramic Composite Electrolyte for High-Voltage All-Solid-State Lithium Batteries. , 2020, 2, 317-324. | | 59 |
| 6 | Lattice doping regulated interfacial reactions in cathode for enhanced cycling stability. <i>Nature Communications</i> , 2019, 10, 3447. | 12.8 | 116 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |