

Lu Nie

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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540
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#	ARTICLE	IF	CITATIONS
1	All-Solid-State Batteries with a Limited Lithium Metal Anode at Room Temperature using a Garnet-Based Electrolyte. <i>Advanced Materials</i> , 2021, 33, e2002325.	11.1	99
2	Stereolithography Three-Dimensional Printing Solid Polymer Electrolytes for All-Solid-State Lithium Metal Batteries. <i>Nano Letters</i> , 2020, 20, 7136-7143.	4.5	79
3	Water-Stable Lithium Metal Anodes with Ultrahigh-Rate Capability Enabled by a Hydrophobic Graphene Architecture. <i>Advanced Materials</i> , 2020, 32, e1908494.	11.1	77
4	Electrocatalytic NiCo ₂ O ₄ Nanofiber Arrays on Carbon Cloth for Flexible and High-Loading Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021, 21, 5285-5292.	4.5	64
5	Biofilm Nanofiber-Coated Separators for Dendrite-Free Lithium Metal Anode and Ultrahigh-Rate Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32373-32380.	4.0	59
6	Cation/Anion Codoped and Cobalt-Free Li-Rich Layered Cathode for High-Performance Li-Ion Batteries. <i>Nano Letters</i> , 2021, 21, 8370-8377.	4.5	35
7	Low-sintering-temperature garnet oxides by conformal sintering-aid coating. <i>Cell Reports Physical Science</i> , 2021, 2, 100569.	2.8	28
8	Mechanism of lithium electrodeposition in a magnetic field. <i>Solid State Ionics</i> , 2020, 345, 115171.	1.3	23
9	Improved Electrochemical Performance of Li-Rich Layered Oxide Cathodes Enabled by a Two-Step Heat Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13281-13288.	4.0	15
10	Integration of a low-tortuous electrode and an in-situ-polymerized electrolyte for all-solid-state lithium-metal batteries. <i>Cell Reports Physical Science</i> , 2022, 3, 100851.	2.8	9