

Yangtao Liu

List of Publications by Year in descending order

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papers

565
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840776

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1125743

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all docs

15
docs citations

15
times ranked

507
citing authors

#	ARTICLE	IF	CITATIONS
1	Current and future lithium-ion battery manufacturing. IScience, 2021, 24, 102332.	4.1	236
2	Closed Loop Recycling of Electric Vehicle Batteries to Enable Ultra-high Quality Cathode Powder. Scientific Reports, 2019, 9, 1654.	3.3	56
3	Systematic Study of Al Impurity for NCM622 Cathode Materials. ACS Sustainable Chemistry and Engineering, 2020, 8, 9875-9884.	6.7	53
4	High Performance Cathode Recovery from Different Electric Vehicle Recycling Streams. ACS Sustainable Chemistry and Engineering, 2018, 6, 13977-13982.	6.7	44
5	Understanding Interfacial Energy-Driven Dry Powder Mixing for Solvent-Free Additive Manufacturing of Li-Ion Battery Electrodes. Advanced Materials Interfaces, 2017, 4, 1700570.	3.7	38
6	Scalable Dry Printing Manufacturing to Enable Long-Life and High Energy Lithium-Ion Batteries. Advanced Materials Technologies, 2017, 2, 1700106.	5.8	30
7	Achieving High Stability and Performance in P2-Type Mn-Based Layered Oxides with Tetravalent Cations for Sodium-Ion Batteries. Small, 2022, 18, e2201086.	10.0	25
8	Stabilized Lithium, Manganese-Rich Layered Cathode Materials Enabled by Integrating Co-Doping and Nanocoating. ACS Applied Materials & Interfaces, 2021, 13, 22597-22607.	8.0	21
9	Customizable Nonplanar Printing of Lithium-Ion Batteries. Advanced Materials Technologies, 2019, 4, 1900645.	5.8	20
10	Positive Role of Fluorine Impurity in Recovered $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ Cathode Materials. ACS Applied Materials & Interfaces, 2021, 13, 57171-57181.	8.0	20
11	Strengthening the Electrodes for Li-Ion Batteries with a Porous Adhesive Interlayer through Dry-Spraying Manufacturing. ACS Applied Materials & Interfaces, 2019, 11, 25081-25089.	8.0	14
12	Upgrading the Performance and Stability of Lithium, Manganese-Rich Layered Oxide Cathodes with Combined Formic Acid and Spinel Coating Treatment. Batteries and Supercaps, 2022, 5, .	4.7	4
13	Building a Spontaneously Formed and Self-healing Protective Layer with a F-rich Electrochemically Active Organic Molecule for Ultra-stable Li Metal Batteries. Sustainable Energy and Fuels, 0, .	4.9	3
14	Direct Aerosol Printing of Lithium-ion Batteries. International Symposium on Microelectronics, 2017, 2017, 000391-000397.	0.0	1
15	Lithium-Ion Batteries: Scalable Dry Printing Manufacturing to Enable Long-Life and High Energy Lithium-Ion Batteries (Adv. Mater. Technol. 10/2017). Advanced Materials Technologies, 2017, 2, .	5.8	0