

Effect of Calendering on Electrode Wettability in Lithium

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Electrolyte Filling of Large-Scale Lithium-Ion Batteries: Challenges for Production Technology and Possible Approaches. <i>Applied Mechanics and Materials</i> , 0, 794, 11-18.	0.2	30
2	Modeling the evolution of lithium-ion particle contact distributions using a fabric tensor approach. <i>Journal of Power Sources</i> , 2015, 297, 540-550.	4.0	26
3	Influence of Electrode Density on the Performance of Li-Ion Batteries: Experimental and Simulation Results. <i>Energies</i> , 2016, 9, 104.	1.6	49
4	A Process Model for the Electrolyte Filling of Lithium-ion Batteries. <i>Procedia CIRP</i> , 2016, 41, 405-410.	1.0	41
5	In situ visualization of the electrolyte solvent filling process by neutron radiography. <i>Journal of Power Sources</i> , 2016, 331, 267-276.	4.0	67
6	Effective sulfur-salt composite cathode containing lithium bis(trifluoromethane) sulfonamide for lithium sulfur batteries. <i>Electrochimica Acta</i> , 2016, 220, 130-136.	2.6	10
7	Lithium-ion battery electrolyte mobility at nano-confined graphene interfaces. <i>Nature Communications</i> , 2016, 7, 12693.	5.8	26
8	High Energy, High Rate, Lithium Sulfur Batteries: Synergetic Effect of Hollow TiO_2 Webbed Carbon Nanotubes and a Dual Functional Carbon Paper Interlayer. <i>Advanced Energy Materials</i> , 2016, 6, 1501480.	10.2	308
9	Microfibrillated Cellulose Based Ink for Eco-Sustainable Screen Printed Flexible Electrodes in Lithium Ion Batteries. <i>Journal of Materials Science and Technology</i> , 2016, 32, 566-572.	5.6	32
10	Engineering and Optimization of Silicon-Iron-Manganese Nanoalloy Electrode for Enhanced Lithium-Ion Battery. <i>Nano-Micro Letters</i> , 2017, 9, 41.	14.4	6
11	Solvent-free dry powder coating process for low-cost manufacturing of $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ cathodes in lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 352, 187-193.	4.0	83
12	Visualization of electrolyte filling process and influence of vacuum during filling for hard case prismatic lithium ion cells by neutron imaging to optimize the production process. <i>Journal of Power Sources</i> , 2018, 380, 126-134.	4.0	66
13	Short-range contacts govern the performance of industry-relevant battery cathodes. <i>Journal of Power Sources</i> , 2018, 387, 49-56.	4.0	43
14	In-line monitoring of Li-ion battery electrode porosity and areal loading using active thermal scanning - modeling and initial experiment. <i>Journal of Power Sources</i> , 2018, 375, 138-148.	4.0	6
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16	Fabrication and performance of $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ Li-ion battery electrodes using combined double flame spray pyrolysis and pressure-based lamination technique. <i>Journal of Power Sources</i> , 2018, 374, 97-106.	4.0	69
17	Shell-Protective Secondary Silicon Nanostructures as Pressure-Resistant High-Volumetric-Capacity Anodes for Lithium-Ion Batteries. <i>Nano Letters</i> , 2018, 18, 7060-7065.	4.5	121
18	Anomalously Faster Deterioration of $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2/\text{Graphite}$ High-Energy 18650 Cells at 1.5% C than 2.0% C. <i>Scanning</i> , 2018, 2018, 1-7.	0.7	1

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19	Through-plane wettability tuning of fibrous carbon layers via O ₂ plasma treatment for enhanced water management. <i>Applied Surface Science</i> , 2018, 458, 32-42.	3.1	22
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26	Improved fast charging capability of graphite anodes via amorphous Al ₂ O ₃ coating for high power lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 422, 18-24.	4.0	115
27	Analysis of electrolyte imbibition through lithium-ion battery electrodes. <i>Journal of Power Sources</i> , 2019, 424, 193-203.	4.0	61
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35	Classification of Calendaring-Induced Electrode Defects and Their Influence on Subsequent Processes of Lithium-Ion Battery Production. <i>Energy Technology</i> , 2020, 8, 1900026.	1.8	70
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74	Comparison of an Experimental Electrolyte Wetting of a Lithium-Ion Battery Anode and Separator by a Lattice Boltzmann Simulation. <i>Batteries</i> , 2022, 8, 277.	2.1	5
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