

Current status and challenges for automotive battery p

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Investigation of particulate emissions during handling of electrodes in lithium-ion battery assembly. <i>Procedia CIRP</i> , 2018, 78, 341-346.	1.0	8
2	In Situ/ex Situ Investigations on the Formation of the Mosaic Solid Electrolyte Interface Layer on Graphite Anode for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28717-28726.	1.5	62
3	Insight into the Solvation Structure of Tetraglyme-Based Electrolytes via First-Principles Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10014-10022.	1.2	12
4	A "technology-smart" battery policy strategy for Europe. <i>Science</i> , 2018, 361, 1075-1077.	6.0	24
5	Hierarchical waxberry-like $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ as an advanced cathode material for lithium-ion batteries with a superior rate capability and long-term cyclability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14155-14161.	5.2	35
6	Critical electrode properties and drying conditions causing component segregation in graphitic anodes for lithium-ion batteries. <i>Journal of Energy Storage</i> , 2018, 18, 509-517.	3.9	72
7	Electrode manufacturing for lithium-ion batteries—Analysis of current and next generation processing. <i>Journal of Energy Storage</i> , 2019, 25, 100862.	3.9	188
8	Anode-Free Sodium Metal Batteries Based on Nanohybrid Core-Shell Templates. <i>Small</i> , 2019, 15, e1901274.	5.2	34
9	Ultrathin conformal polycyclosiloxane films to improve silicon cycling stability. <i>Science Advances</i> , 2019, 5, eaaw4856.	4.7	61
10	The dual-function sacrificing template directed formation of MoS_2/C hybrid nanotubes enabling highly stable and ultrafast sodium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18828-18834.	5.2	47
11	Beneficial rheological properties of lithium-ion battery cathode slurries from elevated mixing and coating temperatures. <i>Journal of Energy Storage</i> , 2019, 26, 100994.	3.9	53
12	Data and Expert-Driven Analysis of Cause-Effect Relationships in the Production of Lithium-Ion Batteries. , 2019, , .		12
13	Operando Fourier Transform Infrared Investigation of Cathode Electrolyte Interphase Dynamic Reversible Evolution on $\text{Li}_{1.2}\text{Ni}_{0.2}\text{Mn}_{0.6}\text{O}_2$. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45108-45117.	4.0	25
14	Modelling of the Calendering Process of NMC622 Cathodes in Battery Production Analyzing Machine/Material-Process-Structure Correlations. <i>Energy Technology</i> , 2019, 7, 1900840.	1.8	29
15	Chemical Bonding and Physical Trapping Se Electrode for Long-Life Rechargeable Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1809014.	7.8	36
16	On-chip micro/nano devices for energy conversion and storage. <i>Nano Today</i> , 2019, 28, 100764.	6.2	33
17	Cu_4Sn_4 -Rich Nanomaterials for Thin-Film Lithium Batteries with Enhanced Conversion Reaction. <i>ACS Nano</i> , 2019, 13, 10671-10681.	7.3	26
18	Data-Driven Safety Envelope of Lithium-Ion Batteries for Electric Vehicles. <i>Joule</i> , 2019, 3, 2703-2715.	11.7	127

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20	Assessment of social sustainability hotspots in the supply chain of lithium-ion batteries. Procedia CIRP, 2019, 80, 292-297.	1.0	34
21	Simulation-based assessment of the energy demand in battery cell manufacturing. Procedia CIRP, 2019, 80, 126-131.	1.0	37
22	Disassembly Automation for Recycling End-of-Life Lithium-Ion Pouch Cells. Jom, 2019, 71, 4457-4464.	0.9	46
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26	Effect of Microstructure on the Ionic Conductivity of an All Solid-State Battery Electrode. Journal of the Electrochemical Society, 2019, 166, A318-A328.	1.3	59
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