

Florian Schipper

List of Publications by Year in descending order

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13
papers

2,606
citations

759233

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1125743

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13
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13
docs citations

13
times ranked

3225
citing authors

#	ARTICLE	IF	CITATIONS
1	Review "Recent Advances and Remaining Challenges for Lithium Ion Battery Cathodes. Journal of the Electrochemical Society, 2017, 164, A6220-A6228.	2.9	581
2	Review on Challenges and Recent Advances in the Electrochemical Performance of High Capacity Li- and Mn-Rich Cathode Materials for Li-Ion Batteries. Advanced Energy Materials, 2018, 8, 1702397.	19.5	475
3	From Surface ZrO_2 Coating to Bulk Zr Doping by High Temperature Annealing of Nickel-Rich Lithiated Oxides and Their Enhanced Electrochemical Performance in Lithium Ion Batteries. Advanced Energy Materials, 2018, 8, 1701682.	19.5	443
4	Structural and Electrochemical Aspects of $LiNi_{0.8}Co_{0.1}Mn_{0.1}O_2$ Cathode Materials Doped by Various Cations. ACS Energy Letters, 2019, 4, 508-516.	17.4	348
5	Stabilizing nickel-rich layered cathode materials by a high-charge cation doping strategy: zirconium-doped $LiNi_{0.6}Co_{0.2}Mn_{0.2}O_2$. Journal of Materials Chemistry A, 2016, 4, 16073-16084.	10.3	295
6	A brief review: Past, present and future of lithium ion batteries. Russian Journal of Electrochemistry, 2016, 52, 1095-1121.	0.9	156
7	High-Temperature Treatment of Li-Rich Cathode Materials with Ammonia: Improved Capacity and Mean Voltage Stability during Cycling. Advanced Energy Materials, 2017, 7, 1700708.	19.5	139
8	Study of Cathode Materials for Lithium-Ion Batteries: Recent Progress and New Challenges. Inorganics, 2017, 5, 32.	2.7	68
9	Studies of Spinel-to-Layered Structural Transformations in $LiMn_2O_4$ Electrodes Charged to High Voltages. Journal of Physical Chemistry C, 2017, 121, 9120-9130.	3.1	26
10	Enhanced capacity and lower mean charge voltage of Li-rich cathodes for lithium ion batteries resulting from low-temperature electrochemical activation. RSC Advances, 2017, 7, 7116-7121.	3.6	25
11	Synthesis and Electrochemical Performance of Nickel-Rich Layered-Structure $LiNi_{0.65}Co_{0.08}Mn_{0.27}O_2$ Cathode Materials Comprising Particles with Ni and Mn Full Concentration Gradients. Journal of the Electrochemical Society, 2016, 163, A1348-A1358.	2.9	19
12	Ammonia Treatment of $0.35Li_2MnO_3 \cdot 0.65LiNi_{0.35}Mn_{0.45}Co_{0.20}O_2$ Material: Insights from Solid-State NMR Analysis. Journal of Physical Chemistry C, 2018, 122, 3773-3779.	11.2	19
13	Fluorination of Ni-Rich Lithium-Ion Battery Cathode Materials by Fluorine Gas: Chemistry, Characterization, and Electrochemical Performance in Full Cells. Batteries and Supercaps, 2021, 4, 632-645.	4.7	12