

# Florian Schipper

## List of Publications by Year in descending order

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13  
papers

2,606  
citations

759233

12  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

3225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorination of Ni-Rich Lithium-Ion Battery Cathode Materials by Fluorine Gas: Chemistry, Characterization, and Electrochemical Performance in Full Cells. <i>Batteries and Supercaps</i> , 2021, 4, 632-645.	4.7	12
2	Structural and Electrochemical Aspects of $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ Cathode Materials Doped by Various Cations. <i>ACS Energy Letters</i> , 2019, 4, 508-516.	17.4	348
3	Ammonia Treatment of $0.35\text{Li}_2\text{MnO}_3 \cdot 0.65\text{LiNi}_{0.35}\text{Mn}_{0.45}\text{Co}_{0.20}\text{O}_2$ Material: Insights from Solid-State NMR Analysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3773-3779.	11.2	19
4	From Surface $\text{ZrO}_2$ Coating to Bulk Zr Doping by High Temperature Annealing of Nickel-Rich Lithiated Oxides and Their Enhanced Electrochemical Performance in Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701682.	19.5	443
5	Review on Challenges and Recent Advances in the Electrochemical Performance of High Capacity Li- and Mn-Rich Cathode Materials for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702397.	19.5	475
6	Enhanced capacity and lower mean charge voltage of Li-rich cathodes for lithium ion batteries resulting from low-temperature electrochemical activation. <i>RSC Advances</i> , 2017, 7, 7116-7121.	3.6	25
7	Studies of Spinel-to-Layered Structural Transformations in $\text{LiMn}_2\text{O}_4$ Electrodes Charged to High Voltages. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9120-9130.	3.1	26
8	High-Temperature Treatment of Li-Rich Cathode Materials with Ammonia: Improved Capacity and Mean Voltage Stability during Cycling. <i>Advanced Energy Materials</i> , 2017, 7, 1700708.	19.5	139
9	Review—Recent Advances and Remaining Challenges for Lithium Ion Battery Cathodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6220-A6228.	2.9	581
10	Study of Cathode Materials for Lithium-Ion Batteries: Recent Progress and New Challenges. <i>Inorganics</i> , 2017, 5, 32.	2.7	68
11	A brief review: Past, present and future of lithium ion batteries. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 1095-1121.	0.9	156
12	Synthesis and Electrochemical Performance of Nickel-Rich Layered-Structure $\text{LiNi}_{0.65}\text{Co}_{0.08}\text{Mn}_{0.27}\text{O}_2$ Cathode Materials Comprising Particles with Ni and Mn Full Concentration Gradients. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1348-A1358.	2.9	19
13	Stabilizing nickel-rich layered cathode materials by a high-charge cation doping strategy: zirconium-doped $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ . <i>Journal of Materials Chemistry A</i> , 2016, 4, 16073-16084.	10.3	295