

# Johannes Sicklinger

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8529400/johannes-sicklinger-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12  
papers

1,145  
citations

9  
h-index

12  
g-index

12  
ext. papers

1,379  
ext. citations

6.4  
avg, IF

4.28  
L-index

#	Paper	IF	Citations
12	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> , <b>2021</b> , 4, 632-645 <sup>5,6</sup>	5.6	4
11	Li <sub>2</sub> CO <sub>3</sub> decomposition in Li-ion batteries induced by the electrochemical oxidation of the electrolyte and of electrolyte impurities. <i>Electrochimica Acta</i> , <b>2020</b> , 346, 136271	6.7	34
10	SO <sub>3</sub> Treatment of Lithium- and Manganese-Rich NCMs for Li-Ion Batteries: Enhanced Robustness towards Humid Ambient Air and Improved Full-Cell Performance. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 130507	3.9	5
9	Enhancement of Electrochemical Performance of Lithium and Manganese-Rich Cathode Materials via Thermal Treatment with SO <sub>2</sub> . <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 110563	3.9	9
8	Ambient Storage Derived Surface Contamination of NCM811 and NCM111: Performance Implications and Mitigation Strategies. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A2322-A2335	3.9	72
7	EditorsbChoiceWashing of Nickel-Rich Cathode Materials for Lithium-Ion Batteries: Towards a Mechanistic Understanding. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A4056-A4066	3.9	77
6	Antimony Doped Tin OxideSynthesis, Characterization and Application as Cathode Material in Li-O <sub>2</sub> Cells: Implications on the Prospect of Carbon-Free Cathodes for Rechargeable Lithium-Air Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A1026-A1036	3.9	16
5	Anodic Oxidation of Conductive Carbon and Ethylene Carbonate in High-Voltage Li-Ion Batteries Quantified by On-Line Electrochemical Mass Spectrometry. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A1123-A1134	3.9	117
4	Carbon Coating Stability on High-Voltage Cathode Materials in H <sub>2</sub> O-Free and H <sub>2</sub> O-Containing Electrolyte. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A1227-A1235	3.9	40
3	Iron-doped nickel oxide nanocrystals as highly efficient electrocatalysts for alkaline water splitting. <i>ACS Nano</i> , <b>2015</b> , 9, 5180-8	16.7	362
2	MOF nanoparticles coated by lipid bilayers and their uptake by cancer cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 15752-5	5.8	152
1	Ultrasmall Dispersible Crystalline Nickel Oxide Nanoparticles as High-Performance Catalysts for Electrochemical Water Splitting. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3123-3129	15.6	257