

# Johannes Sicklinger

## List of Publications by Citations

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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	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
11	Ultrasml Dispensible 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
10	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
9	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
8	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
7	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
6	Carbon Coating Stability on High-Voltage Cathode Materials in H2O-Free and H2O-Containing Electrolyte. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A1227-A1235	3.9	40
5	Li2CO3 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
4	Antimony Doped Tin OxideSynthesis, Characterization and Application as Cathode Material in Li-O2Cells: 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
3	Enhancement of Electrochemical Performance of Lithium and Manganese-Rich Cathode Materials via Thermal Treatment with SO2. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 110563	3.9	9
2	SO3 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
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> , <b>2021</b> , 4, 632-645	5.6	4