

Stefan Oswald

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

95
citations

1937685

4
h-index

2272923

4
g-index

8
all docs

8
docs citations

8
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Method for Monitoring the Electrochemical Capacitance by In Situ Impedance Spectroscopy as Indicator for Particle Cracking of Nickel-Rich NCMs: Part I. Theory and Validation. Journal of the Electrochemical Society, 2020, 167, 100511.	2.9	61
2	Novel Method for Monitoring the Electrochemical Capacitance by In Situ Impedance Spectroscopy as Indicator for Particle Cracking of Nickel-Rich NCMs: Part II. Effect of Oxygen Release Dependent on Particle Morphology. Journal of the Electrochemical Society, 2021, 168, 120501.	2.9	19
3	Elucidating the Implications of Morphology on Fundamental Characteristics of Nickel-Rich NCMs: Cracking, Gassing, Rate Capability, and Thermal Stability of Poly- and Single-Crystalline NCM622. Journal of the Electrochemical Society, 2022, 169, 050501.	2.9	11
4	Novel Method for Monitoring the Electrochemical Capacitance by In Situ Impedance Spectroscopy as Indicator for Particle Cracking of Nickel-Rich NCMs: Part III. Development of a Simplified Measurement Setup. Journal of the Electrochemical Society, 2022, 169, 040552.	2.9	4
5	Study on the Effect of Crystal Size on the Performance of Ni-Rich Cathode Active Materials: Poly- Vs. Single Crystalline NCM622. ECS Meeting Abstracts, 2020, MA2020-02, 144-144.	0.0	0
6	Elucidating the Effect of the Morphology of Ni-Rich Cathode Active Materials on Their Long-Term Cycling Performance: Poly- Vs. Single Crystalline NCM851005. ECS Meeting Abstracts, 2021, MA2021-02, 368-368.	0.0	0
7	(Invited) Ambient Storage and Washing of NCMs: Formation/Removal of Surface Contaminants and NCM Structural Changes upon Heating of Washed/Stored NCMs. ECS Meeting Abstracts, 2021, MA2021-02, 389-389.	0.0	0
8	Monitoring the Electrochemical Capacitance By in Situ Impedance Spectroscopy As Indicator for Particle Cracking of (Nickel-Rich) Cathode Active Materials: Development of a Simplified Measurement Setup. ECS Meeting Abstracts, 2022, MA2022-01, 368-368.	0.0	0