Florian J GÃ¼nter

List of Publications by Year
in descending order

13	403	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laser welding of current collector foil stacks in battery productionâ€“mechanical properties of joints welded with a green high-power disk laser. International Journal of Advanced Manufacturing Technology, 2022, 118, 2571-2586.	3.0	32
2	Influence of pressure and temperature on the electrolyte filling of lithium-ion cells: Experiment, model and method. Journal of Power Sources, 2022, 517, 230668.	7.8	20
3	State of the Art of Lithium-Ion Pouch Cells in Automotive Applications: Cell Teardown and Characterization. Journal of the Electrochemical Society, 2022, 169, 030515.	2.9	26
4	Early Quality Classification and Prediction of Battery Cycle Life in Production Using Machine Learning. Journal of Energy Storage, 2022, 50, 104144.	8.1	27
5	Wetting and Inductivity in the Impedance Behavior of Large Lithium-Ion Cells. Journal of the Electrochemical Society, 2022, 169, 050522.	2.9	3
6	Comparative Evaluation of LMR-NCM and NCA Cathode Active Materials in Multilayer Lithium-Ion Pouch Cells: Part II. Rate Capability, Long-Term Stability, and Thermal Behavior. Journal of the Electrochemical Society, 2021, 168, 020537.	2.9	18
7	Comparative Evaluation of LMR-NCM and NCA Cathode Active Materials in Multilayer Lithium-Ion Pouch Cells: Part I. Production, Electrode Characterization, and Formation. Journal of the Electrochemical Society, 2021, 168, 030507.	2.9	35
8	Introducing Inline Process and Product Analysis for the Lean Cell Finalization in Lithium-Ion Battery Production. Procedia CIRP, 2021, 104, 1052-1058.	1.9	6
9	DEM Simulations of the Calendering Process: Parameterization of the Electrode Material of Lithium-Ion Batteries. Procedia CIRP, 2021, 104, 91-97.	1.9	6
10	Influence of the Cell Format on the Electrolyte Filling Process of Lithiumâ€Ion Cells. Energy Technology, 2020, 8, 1801108.	3.8	27
11	Influence of the Electrolyte Quantity on Lithium-Ion Cells. Journal of the Electrochemical Society, 2019, 166, A1709-A1714.	2.9	75
12	Rapid electrolyte wetting of lithium-ion batteries containing laser structured electrodes: in situ visualization by neutron radiography. International Journal of Advanced Manufacturing Technology, 2019, 102, 2769-2778.	3.0	59
13	Introduction to Electrochemical Impedance Spectroscopy as a Measurement Method for the Wetting Degree of Lithium-Ion Cells. Journal of the Electrochemical Society, 2018, 165, A3249-A3256.	2.9	69