

Jan Bernd Habedank

List of Publications by Year in descending order

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12
papers

444
citations

1040056

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1199594

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12
docs citations

12
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Increasing the Discharge Rate Capability of Lithium-Ion Cells with Laser-Structured Graphite Anodes: Modeling and Simulation. Journal of the Electrochemical Society, 2018, 165, A1563-A1573.	2.9	68
3	Enhanced Fast Charging and Reduced Lithium-Plating by Laser-Structured Anodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3940-A3949.	2.9	62
4	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
5	Femtosecond laser structuring of graphite anodes for improved lithium-ion batteries: Ablation characteristics and process design. Journal of Laser Applications, 2018, 30, .	1.7	54
6	Enhanced performance and lifetime of lithium-ion batteries by laser structuring of graphite anodes. Applied Energy, 2021, 303, 117693.	10.1	47
7	Modeling and Simulation of Pore Morphology Modifications using Laser-Structured Graphite Anodes in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 013506.	2.9	42
8	Paving the way for industrial ultrafast laser structuring of lithium-ion battery electrodes by increasing the scanning accuracy. Journal of Laser Applications, 2020, 32, 022053.	1.7	14
9	Process Monitoring in Friction Stir Welding Using Convolutional Neural Networks. Metals, 2021, 11, 535.	2.3	14
10	Spike laser welding for the electrical connection of cylindrical lithium-ion batteries. Journal of Laser Applications, 2018, 30, .	1.7	8
11	A Study on the Bond Strength of Plastic-Metal Direct Bonds Using Friction Press Joining. Metals, 2021, 11, 660.	2.3	5
12	Contacting of 18650 lithium-ion batteries and copper bus bars using pulsed green laser radiation. Procedia CIRP, 2020, 94, 577-581.	1.9	2