Jan Bernd Habedank

List of Publications by Year
in descending order

12	444	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Process Monitoring in Friction Stir Welding Using Convolutional Neural Networks. Metals, 2021, 11, 535.	2.3	14
2	A Study on the Bond Strength of Plasticâ€“Metal Direct Bonds Using Friction Press Joining. Metals, 2021, 11, 660.	2.3	5
3	Enhanced performance and lifetime of lithium-ion batteries by laser structuring of graphite anodes. Applied Energy, 2021, 303, 117693.	10.1	47
4	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
5	Contacting of 18650 lithium-ion batteries and copper bus bars using pulsed green laser radiation. Procedia CIRP, 2020, 94, 577-581.	1.9	2
6	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
7	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
8	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
9	Spike laser welding for the electrical connection of cylindrical lithium-ion batteries. Journal of Laser Applications, 2018, 30, .	1.7	8
10	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
11	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
12	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