Christian Stadter

List of Publications by Year
in descending order

10	130	1684188	1372567
papers	citations	5	10
		h-index	g-index

12	12	12	70
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-time prediction of quality characteristics in laser beam welding using optical coherence tomography and machine learning. Journal of Laser Applications, 2020, 32, .	1.7	37
2	Inline weld depth measurement for high brilliance laser beam sources using optical coherence tomography. Journal of Laser Applications, 2019, 31, .	1.7	23
3	Process control and quality assurance in remote laser beam welding by optical coherence tomography. Journal of Laser Applications, 2019, 31, .	1.7	23
4	Investigation on the Cause-Effect Relationships between the Process Parameters and the Resulting Geometric Properties for Wire-Based Coaxial Laser Metal Deposition. Metals, 2022, 12, 455.	2.3	14
5	Numerical simulation of laser beam welding using an adapted intensity distribution. Journal of Laser Applications, 2017, 29, .	1.7	8
6	Distortion minimization of laser beam welded components by the use of finite element simulation and Artificial Intelligence. CIRP Journal of Manufacturing Science and Technology, 2019, 27, 11-20.	4.5	6
7	Correlation analysis between the beam propagation and the vapor capillary geometry by machine learning. Procedia CIRP, 2020, 94, 742-747.	1.9	5
8	Investigation of the influences of the process parameters on the weld depth in laser beam welding of AA6082 using machine learning methods. Procedia CIRP, 2020, 94, 702-707.	1.9	5
9	Numerical weld pool simulation for the accuracy improvement of inline weld depth measurement based on optical coherence tomography. Journal of Laser Applications, 2020, 32, 022036.	1.7	5
10	A Novel Approach to the Holistic 3D Characterization of Weld Seamsâ€"Paving the Way for Deep Learning-Based Process Monitoring. Materials, 2021, 14, 6928.	2.9	4