

Christian Stadter

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

130
citations

1684188

5
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

70
citing authors

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