

Haiying Wei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3859552/publications.pdf>

Version: 2024-02-01

12
papers

190
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy efficiency evaluation of hot-wire laser welding based on process characteristic and power consumption. Journal of Cleaner Production, 2015, 87, 255-262.	9.3	52
2	Simulation of laser attenuation and heat transport during direct metal deposition considering beam profile. Journal of Materials Processing Technology, 2019, 270, 92-105.	6.3	27
3	In-situ monitoring of the penetration status of keyhole laser welding by using a support vector machine with interaction time conditioned keyhole behaviors. Optics and Lasers in Engineering, 2020, 130, 106099.	3.8	21
4	Effect of beam profile on heat and mass transfer in filler powder laser welding. Journal of Materials Processing Technology, 2018, 258, 47-57.	6.3	20
5	Modulation of crack formation inside single-crystal sapphire using ultrafast laser Bessel beams. Optics and Laser Technology, 2021, 136, 106778.	4.6	14
6	Energy efficiency evaluation of metal laser direct deposition based on process characteristics and empirical modeling. International Journal of Advanced Manufacturing Technology, 2019, 102, 901-913.	3.0	13
7	A decision-making model for comparing the energy demand of additive-subtractive hybrid manufacturing and conventional subtractive manufacturing based on life cycle method. Journal of Cleaner Production, 2021, 311, 127795.	9.3	12
8	Probabilistic-based random maximum defect estimation and defect-related fatigue life prediction for laser direct deposited 316L parts. Journal of Materials Processing Technology, 2022, 299, 117389.	6.3	11
9	Multi-index co-evaluation of metal laser direct deposition: An investigation of energy input effect on energy efficiency and mechanical properties of 316l parts. Journal of Manufacturing Processes, 2022, 76, 277-290.	5.9	8
10	Wettability Control of Sapphire by Surface Texturing in Combination with Femtosecond Laser Irradiation and Chemical Etching. ChemistrySelect, 2020, 5, 9555-9562.	1.5	6
11	Energy consumption modeling of additive-subtractive hybrid manufacturing based on cladding head moving state and deposition efficiency. International Journal of Advanced Manufacturing Technology, 2022, 120, 7755-7770.	3.0	4
12	A Motion State-based Printing Time Modeling and Printing Cost Analysis for Laser Direct Deposition Process. International Journal of Advanced Manufacturing Technology, 2021, 114, 3109-3121.	3.0	2