# Haiying Wei

List of Publications by Year
in descending order



| 12 | 190 | 1163117 8 | 1199594 12 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 12 | 12 | 12 | 150 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Modulation of crack formation inside single-crystal sapphire using ultrafast laser Bessel beams. Optics and Laser Technology, 2021, 136, 106778. | 4.6 | 14 |
| 5 | 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 |
| 6 | 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 |
| 7 | Wettability Control of Sapphire by Surface Texturing in Combination with Femtosecond Laser Irradiation and Chemical Etching. ChemistrySelect, 2020, 5, 9555-9562. | 1.5 | 6 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |