# Hui Deng

List of Publications by Year
in descending order



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|---|---|---|---|
| 20 papers | 510 citations | 759233 12 h-index | 752698 20 g-index |
| 20 all docs | 20 docs citations | 20 times ranked | 297 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Observation of spatter formation mechanisms in high-power fiber laser welding of thick plate. Applied Surface Science, 2013, 280, 868-875. | 6.1 | 139 |
| 2 | Dressing methods of superabrasive grinding wheels: A review. Journal of Manufacturing Processes, 2019, 45, 46-69. | 5.9 | 83 |
| 3 | Processing parameter optimization for the laser dressing of bronze-bonded diamond wheels. Applied Surface Science, 2014, 290, 475-481. | 6.1 | 39 |
| 4 | Online tangential laser profiling of coarse-grained bronze-bonded diamond wheels. International Journal of Advanced Manufacturing Technology, 2015, 79, 1477-1482. | 3.0 | 29 |
| 5 | Online, efficient and precision laser profiling of bronze-bonded diamond grinding wheels based on a single-layer deep-cutting intermittent feeding method. Optics and Laser Technology, 2016, 80, 41-50. | 4.6 | 24 |
| 6 | A study of the grinding performance of laser micro-structured coarse-grained diamond grinding wheels. International Journal of Advanced Manufacturing Technology, 2017, 93, 1989-1997. | 3.0 | 24 |
| 7 | Laser dressing of arc-shaped resin-bonded diamond grinding wheels. Journal of Materials Processing Technology, 2021, 288, 116884. | 6.3 | 21 |
| 8 | A theoretical and experimental study on the pulsed laser dressing of bronze-bonded diamond grinding wheels. Applied Surface Science, 2014, 314, 78-89. | 6.1 | 20 |
| 9 | Laser-dressing topography and quality of resin-bonded diamond grinding wheels. Optics and Lasers in Engineering, 2021, 136, 106322. | 3.8 | 18 |
| 10 | The grinding performance of a laser-dressed bronze-bonded diamond grinding wheel. International Journal of Advanced Manufacturing Technology, 2017, 88, 1789-1798. | 3.0 | 17 |
| 11 | Investigation of keyhole plasma during 10 kW high power fiber laser welding. Laser Physics, 2014, 24, 106003. | 1.2 | 15 |
| 12 | Numerical simulation of single-pulse laser ablation for dressing a bronze-bond diamond grinding wheel. Precision Engineering, 2016, 43, 78-85. | 3.4 | 15 |
| 13 | Microstructure and properties of weld joint during 10 kW laser welding with surface-active element sulfur. Applied Surface Science, 2017, 426, 704-713. | 6.1 | 13 |
| 14 | Laser micro-structuring of a coarse-grained diamond grinding wheel. International Journal of Advanced Manufacturing Technology, 2019, 101, 2947-2954. | 3.0 | 12 |
| 15 | Study on methods of enhancing the quality, efficiency, and accuracy of pulsed laser profiling. Precision Engineering, 2016, 45, 143-152. | 3.4 | 11 |
| 16 | Study on methods to optimize laser-sharpening quality, efficiency and topography. Precision Engineering, 2016, 46, 409-416. | 3.4 | 8 |
| 17 | Study of the grinding performance of laser-trued and dressed bronzed-bonded diamond grinding wheels. International Journal of Advanced Manufacturing Technology, 2016, 85, 2797-2803. | 3.0 | 6 |
| 18 | Influence of CO2 Shielding Gas on High Power Fiber Laser Welding Performance. Metals, 2018, 8, 449. | 2.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Optimization of efficiency and uniformity of bond removal during laser sharpening. International Journal of Advanced Manufacturing Technology, 2019, 103, 3087-3096. | 3.0 | 6 |
| 20 | Plasma characterization studies of laser dressing for bronze-bonded diamond wheel by a pulsed fiber laser. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 144204. | 0.5 | 4 |