

Hui Deng

List of Publications by Year in descending order

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Version: 2024-02-01

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	Laser-dressing topography and quality of resin-bonded diamond grinding wheels. Optics and Lasers in Engineering, 2021, 136, 106322.	3.8	18
2	Laser dressing of arc-shaped resin-bonded diamond grinding wheels. Journal of Materials Processing Technology, 2021, 288, 116884.	6.3	21
3	Dressing methods of superabrasive grinding wheels: A review. Journal of Manufacturing Processes, 2019, 45, 46-69.	5.9	83
4	Optimization of efficiency and uniformity of bond removal during laser sharpening. International Journal of Advanced Manufacturing Technology, 2019, 103, 3087-3096.	3.0	6
5	Laser micro-structuring of a coarse-grained diamond grinding wheel. International Journal of Advanced Manufacturing Technology, 2019, 101, 2947-2954.	3.0	12
6	Influence of CO2 Shielding Gas on High Power Fiber Laser Welding Performance. Metals, 2018, 8, 449.	2.3	6
7	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
8	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
9	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
10	Study on methods to optimize laser-sharpening quality, efficiency and topography. Precision Engineering, 2016, 46, 409-416.	3.4	8
11	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
12	Study on methods of enhancing the quality, efficiency, and accuracy of pulsed laser profiling. Precision Engineering, 2016, 45, 143-152.	3.4	11
13	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
14	Numerical simulation of single-pulse laser ablation for dressing a bronze-bond diamond grinding wheel. Precision Engineering, 2016, 43, 78-85.	3.4	15
15	Online tangential laser profiling of coarse-grained bronze-bonded diamond wheels. International Journal of Advanced Manufacturing Technology, 2015, 79, 1477-1482.	3.0	29
16	Processing parameter optimization for the laser dressing of bronze-bonded diamond wheels. Applied Surface Science, 2014, 290, 475-481.	6.1	39
17	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
18	Investigation of keyhole plasma during 10 kW high power fiber laser welding. Laser Physics, 2014, 24, 106003.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Observation of spatter formation mechanisms in high-power fiber laser welding of thick plate. Applied Surface Science, 2013, 280, 868-875.	6.1	139
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