Shashi Prakash

List of Publications by Year
in descending order

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18	456	840119 11	839053 18
papers	citations	h-index	g-index

19	19	19	445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural network-based prediction for surface characteristics in CO2 laser micro-milling of glass fiber reinforced plastic composite. Neural Computing and Applications, 2021, 33, 11517-11529.	3.2	3
2	Determining the suitable CO2 laser based technique for microchannel fabrication on PMMA. Optics and Laser Technology, 2021, 139, 107017.	2.2	16
3	3D-printing of skull bone from CT scan data. Materials Today: Proceedings, 2020, 28, 2447-2451.	0.9	1
4	Investigation of dimensional accuracy in CO2 laser cutting of PMMA. Materials Today: Proceedings, 2020, 28, 2381-2386.	0.9	6
5	Experimental investigation of surface defects in lowâ€power CO 2 laser engraving of glass fiberâ€reinforced polymer composite. Polymer Composites, 2019, 40, 4704-4715.	2.3	15
6	Wettability of 3D printed polylactic acid (PLA) parts. AIP Conference Proceedings, 2019, , .	0.3	11
7	Pulse smearing and profile generation in CO2 laser micromachining on PMMA via raster scanning. Journal of Manufacturing Processes, 2018, 31, 116-123.	2.8	23
8	Experimental investigations and analytical modeling of multi-pass CO 2 laser processing on PMMA. Precision Engineering, 2017, 49, 220-234.	1.8	37
9	Experimental and theoretical analysis of defocused CO2laser microchanneling on PMMA for enhanced surface finish. Journal of Micromechanics and Microengineering, 2017, 27, 025003.	1.5	20
10	Fabrication of rectangular cross-sectional microchannels on PMMA with a CO 2 laser and underwater fabricated copper mask. Optics and Laser Technology, 2017, 94, 180-192.	2.2	36
11	Monte-Carlo based Uncertainty Analysis For CO2Laser Microchanneling Model. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012125.	0.3	1
12	CO₂Laser Microchanneling Process: Effects of Compound Parameters and Pulse Overlapping. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012018.	0.3	5
13	Energy Based Analysis of Laser Microchanneling Process on Polymethyl Methacrylate (PMMA). Topics in Mining, Metallurgy and Materials Engineering, 2015, , 239-253.	1.4	5
14	Fabrication of microchannels on transparent PMMA using CO2 Laser (10.6 Î¼m) for microfluidic applications: An experimental investigation. International Journal of Precision Engineering and Manufacturing, 2015, 16, 361-366.	1.1	88
15	Profile and depth prediction in single-pass and two-pass CO₂laser microchanneling processes. Journal of Micromechanics and Microengineering, 2015, 25, 035010.	1.5	23
16	Fabrication of microchannels: A review. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1273-1288.	1.5	111
17	Grey Relational Analysis Based Optimization of Underwater Nd: YAG Laser Micro-channeling on PMMA. Procedia Engineering, 2014, 97, 1406-1415.	1.2	19
18	An experimental investigation on Nd:YAG laser microchanneling on polymethyl methacrylate submerged in water. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 508-519.	1.5	36