

Shashi Prakash

List of Publications by Year in descending order

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citing authors

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