

Bharatish A

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

279
citations

1307594

7
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of hole circularity and heat affected zone in pulsed CO2 laser drilling of alumina ceramics. <i>Optics and Laser Technology</i> , 2013, 53, 22-32.	4.6	88
2	Overview of Laser Absorptivity Measurement Techniques for Material Processing. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 458-481.	2.2	59
3	Evaluation of thermal residual stresses in laser drilled alumina ceramics using Micro-Raman spectroscopy and COMSOL Multiphysics. <i>Optics and Laser Technology</i> , 2015, 70, 76-84.	4.6	39
4	Effect of scanning speed and tin content on the tribological behavior of femtosecond laser textured tin-bronze alloy. <i>Optics and Laser Technology</i> , 2018, 108, 17-25.	4.6	14
5	Optimization of ventilated brake disc rotor geometry for enhanced structural characteristics. <i>Journal of Measurements in Engineering</i> , 2020, 8, 98-106.	0.6	11
6	Investigation of effect of CO2 laser parameters on drilling characteristics of rocks encountered during mining. <i>Journal of King Saud University, Engineering Sciences</i> , 2019, 31, 395-401.	2.0	10
7	Investigation of thermal residual stresses during laser ablation of tantalum carbide coated graphite substrates using micro-Raman spectroscopy and COMSOL multiphysics. <i>Ceramics International</i> , 2021, 47, 3498-3513.	4.8	10
8	Thermal fatigue analysis of H13 steel die adopted in pressure-die-casting process. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	8
9	Assessment of drilling characteristics of alumina coated on aluminium using CO2 laser. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 100, 164-175.	5.0	7
10	Assessment of thermal effects on the levitation speed of bump foil bearings made of low cost spring steel. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 92, 453-463.	5.0	6
11	Influence of Femtosecond Laser Parameters and Environment on Surface Texture Characteristics of Metals and Non-Metals – State of the Art. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 143-167.	2.2	6
12	Optimization of laser texture geometry and resulting functionality of Nickel aluminium bronze for landing gear applications. <i>International Journal of Lightweight Materials and Manufacture</i> , 2021, 4, 346-357.	2.1	5
13	Evaluation of nanosecond laser ablation and scratch resistance of tantalum carbide coated graphite substrates. <i>Ceramics International</i> , 2019, 45, 22578-22588.	4.8	4
14	Laser Microdrilling of Thermal Barrier Coatings. , 2014, 5, 1005-1014.		3
15	Evaluation of Wear on Macro-Surface Textures Generated by ns Fiber Laser. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 71-80.	2.2	3
16	Simultaneous optimization of nanosecond laser ablation and frictional characteristics of tantalum carbide coated graphite substrates. <i>Optik</i> , 2020, 208, 164557.	2.9	3
17	Analysis of Fir Tree Root of Aero-engine Disc Assembly for Simultaneous Optimization of Fretting Characteristics. <i>Journal of the Institution of Engineers (India): Series C</i> , 2019, 100, 859-868.	1.2	2
18	Parametric study to mitigate fretting fatigue in dovetail joint of aeroengine compressor. <i>Journal of Measurements in Engineering</i> , 2017, 5, 19-28.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Parametric Study of Pulsed CO2 Laser Surface Treatment of Alumina Ceramics. Journal for Manufacturing Science and Production, 2015, 15, 301-308.	0.1	0
20	Experimental and numerical investigation of nanosecond laser ablation of tantalum carbide coated graphite substrates. AIP Conference Proceedings, 2020, , .	0.4	0
21	Thermal fatigue analysis of stellite coated P20 tool steel. AIP Conference Proceedings, 2020, , .	0.4	0