

Suman Chatterjee

List of Publications by Year in descending order

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28
papers

394
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840776

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18
g-index

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all docs

29
docs citations

29
times ranked

334
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation and optimization of machining parameters in drilling of titanium alloys. Simulation Modelling Practice and Theory, 2016, 62, 31-48.	3.8	58
2	Recent trends in drilling of carbon fiber reinforced polymers (CFRPs): A state-of-the-art review. Journal of Manufacturing Processes, 2021, 69, 47-68.	5.9	37
3	Drilling of micro-holes on titanium alloy using pulsed Nd:YAG laser: Parametric appraisal and prediction of performance characteristics. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1872-1889.	2.4	36
4	Recent trends in non-traditional machining of shape memory alloys (SMAs): A review. CIRP Journal of Manufacturing Science and Technology, 2021, 32, 217-227.	4.5	34
5	Quality Evaluation of Micro Drilled Hole Using Pulsed Nd:YAG Laser: a Case Study on AISI 316. Lasers in Manufacturing and Materials Processing, 2018, 5, 248-269.	2.2	21
6	Prediction of quality characteristics of laser drilled holes using artificial intelligence techniques. Engineering With Computers, 2021, 37, 1181-1204.	6.1	20
7	Parametric appraisal of mechanical and metallurgical behavior of butt welded joints using pulsed Nd:YAG laser on thin sheets of AISI 316. Optics and Laser Technology, 2019, 117, 186-199.	4.6	17
8	NSGA-II Approach of Optimization to Study the Effects of Drilling Parameters in AISI-304 Stainless Steel. Procedia Engineering, 2014, 97, 78-84.	1.2	16
9	Optimization of surface roughness by MOORA method in EDM by electrode prepared via selective laser sintering process. Materials Today: Proceedings, 2018, 5, 19019-19026.	1.8	16
10	Study on effect of tool electrodes on surface finish during electrical discharge machining of Nitinol. IOP Conference Series: Materials Science and Engineering, 2018, 338, 012033.	0.6	16
11	An experimental study on drilling of titanium alloy using CO2 laser. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	13
12	Parametric Optimization in Turning of CFRP (Epoxy) Composites: A Case Experimental Research with Exploration of HS Algorithm. Applied Mechanics and Materials, 0, 619, 54-57.	0.2	11
13	Optimization of Electro-Discharge Coating Process using Harmony Search. Materials Today: Proceedings, 2018, 5, 12673-12680.	1.8	11
14	Quality characterization of dissimilar laser welded joints of Ti6Al4V with AISI 304 by using copper deposition technique. International Journal of Advanced Manufacturing Technology, 2020, 106, 4577-4591.	3.0	11
15	Physical and mechanical characterization of dissimilar laser welded joints of AISI 316/Cu/SMA using fiber laser technology. Journal of Laser Applications, 2020, 32, 032018.	1.7	10
16	Multi-Response Optimization during Electro-Discharge Machining of Super Alloy Inconel 718: Application of PCA-TOPSIS. Materials Today: Proceedings, 2018, 5, 4269-4276.	1.8	9
17	Parametric Appraisal of WEDM using Harmony Search Algorithm. Materials Today: Proceedings, 2015, 2, 2562-2568.	1.8	7
18	Application of NSGA II for Optimization of Multi-performance Characteristics During Machining of GFRP (epoxy) Composites. Materials Today: Proceedings, 2015, 2, 2353-2358.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Optimization of Electrical Discharge Coating Process Using MOORA Based Firefly Algorithm. , 2017, , .		6
20	Experimental and Parametric Evaluation of Quality Characteristics in Nd:YAG Laser Micro-Drilling of Ti6Al4V and AISI 316. , 2017, , .		6
21	Prediction of welding responses using AI approach: adaptive neuro-fuzzy inference system and genetic programming. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	6
22	Optimization of drilling process parameters by harmony search algorithm. , 2014, , .		5
23	Analysis of Dimensional Accuracy of ABS M30 Built Parts Using FDM Process. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 173-181.	0.5	5
24	Experimental Investigation Of Quality Characteristics In Nd:YAG Laser Drilling Of Stainless Steel (AISI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	3
25	Experimental Evaluation for Improving Multiple Quality Characteristics of Drilled Holes: A Case Study on Drilling of Ti6Al4V. Journal of Advanced Manufacturing Systems, 2020, 19, 189-214.	1.0	3
26	Integrating Principal Component Analysis, Fuzzy Linguistic Reasoning and Taguchi Philosophy for Quality-Productivity Optimization. Materials Today: Proceedings, 2017, 4, 1772-1777.	1.8	2
27	Optimization of Quality Characteristics in Laser Drilling of Ti6Al4V Using VIKOR. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 59-67.	0.5	2
28	A Particle Swarm Approach Embedded with Numerical Analysis for Multi-response Optimization in Electrical Discharge Machining. Lecture Notes in Computer Science, 2015, , 74-87.	1.3	0