Sehijpal Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11065103/publications.pdf

Version: 2024-02-01

39	1,700	394421	330143
papers	citations	19 h-index	37 g-index

39	39	39	1061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Technology and research developments in powder mixed electric discharge machining (PMEDM). Journal of Materials Processing Technology, 2007, 184, 32-41.	6.3	210
2	Revealing the benefits of entropy weights method for multi-objective optimization in machining operations: A critical review. Journal of Materials Research and Technology, 2021, 10, 1471-1492.	5.8	201
3	Optimization of energy consumption response parameters for turning operation using Taguchi method. Journal of Cleaner Production, 2016, 137, 1406-1417.	9.3	142
4	Multi objective optimization using different methods of assigning weights to energy consumption responses, surface roughness and material removal rate during rough turning operation. Journal of Cleaner Production, 2017, 164, 45-57.	9.3	137
5	Development of magneto abrasive flow machining process. International Journal of Machine Tools and Manufacture, 2002, 42, 953-959.	13.4	134
6	A Brief Review of Jute Fibre and Its Composites. Materials Today: Proceedings, 2018, 5, 28427-28437.	1.8	85
7	Study of Effect of Surface Treatment on Mechanical Properties of Natural Fiber Reinforced Composites. Materials Today: Proceedings, 2017, 4, 2793-2799.	1.8	82
8	Multiple-Criteria Decision-Making and Sensitivity Analysis for Selection of Materials for Knee Implant Femoral Component. Materials, 2021, 14, 2084.	2.9	75
9	Selection of industrial arc welding robot with TOPSIS and Entropy MCDM techniques. Materials Today: Proceedings, 2022, 50, 709-715.	1.8	71
10	Wear behavior of materials in magnetically assisted abrasive flow machining. Journal of Materials Processing Technology, 2002, 128, 155-161.	6.3	66
11	Effect of Curing Temperature on Mechanical Properties of Natural Fiber Reinforced Polymer Composites. Journal of Natural Fibers, 2018, 15, 687-696.	3.1	62
12	Experimental Studies on Mechanism of Material Removal in Abrasive Flow Machining Process. Materials and Manufacturing Processes, 2008, 23, 714-718.	4.7	43
13	Effect of Natural Fillers on Mechanical Properties of GFRP Composites. Journal of Composites, 2013, 2013, 1-8.	0.8	43
14	Bibliometric Analysis of Specific Energy Consumption (SEC) in Machining Operations: A Sustainable Response. Sustainability, 2021, 13, 5617.	3.2	43
15	Effect of alkali treatment on mechanical properties of jute fiber-reinforced partially biodegradable green composites using epoxy resin matrix. Polymers and Polymer Composites, 2020, 28, 388-397.	1.9	39
16	Prioritizing Energy-Intensive Machining Operations and Gauging the Influence of Electric Parameters: An Industrial Case Study. Energies, 2021, 14, 4761.	3.1	39
17	Manufacturing and performance analysis of mechanically alloyed magnetic abrasives for magneto abrasive flow finishing. Journal of Manufacturing Processes, 2020, 50, 161-169.	5.9	34
18	Influence of fiber volume fraction and curing temperature on mechanical properties of jute/PLA green composites. Polymers and Polymer Composites, 2020, 28, 273-284.	1.9	33

#	Article	IF	Citations
19	Smart watches: A review of evolution in bio-medical sector. Materials Today: Proceedings, 2022, 50, 1053-1066.	1.8	23
20	An Investigation of Energy Efficiency in Finish Turning of EN 353 Alloy Steel. Procedia CIRP, 2021, 98, 654-659.	1.9	20
21	Bibliometric analysis of entropy weights method for multi-objective optimization in machining operations. Materials Today: Proceedings, 2022, 50, 1248-1255.	1.8	18
22	Prediction of forces during drilling of composite laminates using artificial neural network: A new approach. FME Transactions, 2016, 44, 36-42.	1.4	16
23	Flax fiber reinforced polylactic acid composites for non-structural engineering applications: Effect of molding temperature and fiber volume fraction on its mechanical properties. Polymers and Polymer Composites, 2021, 29, S780-S789.	1.9	13
24	Hand and Abrasive Flow Polished Tungsten Carbide Die: Optimization of Surface Roughness, Polishing Time and Comparative Analysis in Wire Drawing. Materials, 2022, 15, 1287.	2.9	12
25	Analyzing Process Parameters for Finishing of Small Holes Using Magnetically Assisted Abrasive Flow Machining Process. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	2.6	8
26	An outlook on the sustainable machining aspects of minimum quantity lubrication during processing of difficult to cut materials. Materials Today: Proceedings, 2020, 33, 1592-1598.	1.8	7
27	Preparation, Microstructure Evaluation and Performance Analysis of Diamond-Iron Bonded Magnetic Abrasive Powder. Powder Metallurgy Progress, 2019, 19, 82-89.	0.1	7
28	Quality optimisation of surface finishing by magnetic field assisted abrasive flow machining through Taguchi technique. International Journal of Computer Applications in Technology, 2006, 27, 31.	0.5	6
29	Ergonomic evaluation of workstation design using taguchi experimental approach: a case of an automotive industry. International Journal on Interactive Design and Manufacturing, 2021, 15, 481-498.	2.2	6
30	Experimental investigation and design optimisation for magnetic abrasive flow machining using response surface methodology. International Journal of Materials and Product Technology, 2020, 61, 244.	0.2	6
31	Preparation, microstructure analysis and performance evaluation of bonded magnetic abrasives. International Journal of Abrasive Technology, 2020, 10, 32.	0.2	4
32	Optimization and prediction of sintering process parameters for magnetic abrasives preparation using response surface methodology. International Journal of Data and Network Science, 2019, , 103-108.	4.6	3
33	Experimental investigations and optimization of machining performance during turning of EN-31 steel using TOPSIS approach. Materials Today: Proceedings, 2021, 48, 1089-1089.	1.8	3
34	A box behnken design approach for parametric optimization in processing of aluminum 6061 tubes. Materials and Manufacturing Processes, 2022, 37, 1110-1121.	4.7	3
35	A review on magnetically assisted abrasive flow machining and abrasive material type. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 2765-2781.	2.5	3
36	Influence of Surface Treatment and Molding Temperature on Mechanical Properties of Jute/PLA-Based Green Composites. Lecture Notes in Mechanical Engineering, 2020, , 149-158.	0.4	2

#	Article	IF	Citations
37	Optimization and modelling of active power consumption of ST52.3 alloy steel during a drilling operation. Materials Today: Proceedings, 2021, , .	1.8	1
38	Mechanism of Material Removal in Magneto Abrasive Flow Machining. Lecture Notes in Mechanical Engineering, 2022, , 225-238.	0.4	0
39	Finishing of Tubes using Bonded Magnetic Abrasive Powder in an Abrasive Medium. Powder Metallurgy Progress, 2020, 20, 1-11.	0.1	0