

Swastik Pradhan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

401
citations

1307594

7
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and optimization of Al/SiCp MMC machining using Taguchi approach. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3064-3072.	5.0	125
2	Development and machinability assessment in turning Al/SiCp-metal matrix composite with multilayer coated carbide insert using Taguchi and statistical techniques. Archives of Civil and Mechanical Engineering, 2013, 13, 27-35.	3.8	80
3	Potential biodegradable matrices and fiber treatment for green composites: A review. AIMS Materials Science, 2019, 6, 119-138.	1.4	40
4	A review on various types of in-pipe inspection robot. Materials Today: Proceedings, 2022, 50, 1425-1434.	1.8	29
5	Investigation of FEM Simulation of Machining of Titanium Alloy Using Microgroove Cutting Insert. Silicon, 2018, 10, 1949-1959.	3.3	14
6	Dynamic Stress Analysis of L-1 Low Pressure Steam Turbine Blade: Mathematical Modelling and Finite Element Method. Materials Today: Proceedings, 2018, 5, 28117-28126.	1.8	10
7	Improving the Surface roughness and Flank wear of the boring process using particle damped boring bars. Materials Today: Proceedings, 2018, 5, 28186-28194.	1.8	9
8	Design and fabrication of spiral triangular micro texture on chemical vapor deposition coated cutting insert using femtosecond laser machine. Materials Today: Proceedings, 2020, 28, 1439-1444.	1.8	9
9	Optimization of machinability criteria during dry machining of Ti-2 with micro-groove cutting tool using WASPAS approach. Materials Today: Proceedings, 2020, 33, 5306-5312.	1.8	9
10	Design and fabrication of honeycomb micro-texture using femtosecond laser machine. Materials and Manufacturing Processes, 2021, 36, 1314-1322.	4.7	9
11	Application of progressive hybrid RSM-WASPAS-grey wolf method for parametric optimization of dissimilar metal welded joints in FSSW process. Materials Today: Proceedings, 2022, 50, 766-772.	1.8	8
12	Study of Chip Morphology, Flank Wear on Different Machinability Conditions of Titanium Alloy (Ti-6Al-4V) Using Response Surface Methodology Approach. International Journal of Materials Forming and Machining Processes, 2017, 4, 19-37.	0.6	7
13	Comparative Investigation of CNC Turning of Nickel-Chromoly Steel Under Different Cutting Environment with a Fabricated Portable Mist Lubricator: A Super Hybrid Taguchi-WASPAS-GA-SA-PSO Approach. Lecture Notes in Mechanical Engineering, 2021, , 515-531.	0.4	7
14	Study on surface roughness in machining of Al/SiCp metal matrix composite using desirability function analysis approach. Materials Today: Proceedings, 2018, 5, 28108-28116.	1.8	6
15	Impacts of Biodiesel, Fuel Additive, and Injection Pressure on Engine Emission and Performance. Journal of Energy Engineering - ASCE, 2019, 145, .	1.9	6
16	Effect Of The Hot Deformation On Mechanical And Wear Characteristics Of The P/M AMC. Materials Today: Proceedings, 2019, 18, 5040-5047.	1.8	5
17	Investigation of machinability criteria during micro-abrasive finishing of SUS-304L steel using fuzzy combined with WASPAS approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	5
18	Study of process parameter on mist lubrication of Titanium (Grade 5) alloy. IOP Conference Series: Materials Science and Engineering, 2017, 178, 012030.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Optimization of Machining Parameter Characteristics during Turning of Ti-6Al-4V using Desirability Function Analysis. <i>Materials Today: Proceedings</i> , 2018, 5, 25740-25749.	1.8	4
20	Virtual Design Optimization of Motorbike Rear Sprocket Based on ANSYS and Hybrid MOORA-Fuzzy Inference System. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 481-495.	0.4	4
21	Investigation of tool wear and surface roughness on machining of titanium alloy with MT-CVD cutting tool. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 346, 012053.	0.6	3
22	Design of Adaptive Wheel Driven Pipeline Inspection Robot. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 583-595.	0.4	3
23	Deform 3D Simulation Analysis for Temperature Variation in Turning Operation on Titanium Grade 2 Using CCD-Coated Carbide Insert. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 937-945.	0.4	2
24	Numerical simulation of explosive welded titanium and Al7075-T6 bimetal composite plate using ANSYS Autodyn. <i>Welding International</i> , 2022, 36, 455-473.	0.7	2
25	A Brief Review: Study of Machinability Aspects of Hard Metals Using Micro Textured Inserts. <i>Springer Proceedings in Materials</i> , 2021, , 143-149.	0.3	1