Manikandan Natarajan

List of Publications by Year
in descending order

53 papers	**816** citations	687363 **13** h-index	677142 **22** g-index
66 all docs	**66** docs citations	**66** times ranked	**303** citing authors

#	Article	IF	Citations
1	Investigations on machinability characteristics of Cast Aluminum Alloy based (LM 26+Graphite+Fly) Tj ETQq1 1 0.784314 rgBT /Overl... Processes, 2022, 37, 748-763.	4.7	16
2	Effect of interfacial thickness on microstructure, mechanical properties, and modelling of diffusion fused dissimilar Al alloys for process optimization using ANN-GA method. Multiscale and Multidisciplinary Modeling, Experiments and Design, 2022, 5, 105-117.	2.1	1
3	Investigations on Wire Electrical Discharge Machining of Titanium Alloys by Taguchiâ€"Grey Approach. Lecture Notes in Mechanical Engineering, 2022, , 359-368.	0.4	20
4	Investigations on Wire Electrical Discharge Machining of Magnesium Alloy AZ31B by Taguchiâ€™s Approach. Lecture Notes in Mechanical Engineering, 2022, , 923-931.	0.4	1
5	Performance of Textured Tool with MQL in Machining of Precipitation Hardened Stainless Steel. Lecture Notes in Mechanical Engineering, 2022, , 39-50.	0.4	5
6	Prediction of Performance Measures Using Multiple Regression Analysis for Wire Electrical Discharge Machining of Titanium Alloy. Lecture Notes in Mechanical Engineering, 2022, , 601-612.	0.4	13
7	Multi aspects optimization on spark erosion machining of Incoloy 800 by Taguchi Grey approach. Materials Today: Proceedings, 2021, 39, 148-154.	1.8	18
8	Machinability studies on wire electrical discharge machining of Nickel alloys using multiple regression analysis. Materials Today: Proceedings, 2021, 39, 155-159.	1.8	9
9	Numerical simulation and experimental investigation on laser beam welding of Inconel 625. Materials Today: Proceedings, 2021, 39, 268-273.	1.8	22
10	Multi objective optimization of wire electrical discharge machining on Inconel 718 using Taguchi grey relational analysis. Materials Today: Proceedings, 2021, 39, 230-235.	1.8	31
11	Parameters optimization and development of multiple regression models for wire electrical discharge machining of aluminium composites. Materials Today: Proceedings, 2021, 39, 263-267.	1.8	9
12	Multi objective optimization of wire-electrical discharge machining of stellite using Taguchi â€" Grey approach. Materials Today: Proceedings, 2021, 39, 216-222.	1.8	20
13	Application of Taguchi method on Wire Electrical Discharge Machining of Inconel 625. Materials Today: Proceedings, 2021, 39, 121-125.	1.8	13
14	Machinability Analysis and Optimization of Wire-EDM Textured Conventional Tungsten Carbide Inserts in Machining of 17â€"4 PH Stainless Steel. Materials Today: Proceedings, 2021, 39, 359-367.	1.8	4
15	Influence of fiber length on mechanical properties and microstructural analysis of jute fiber reinforced polymer composites. Materials Today: Proceedings, 2021, 39, 398-402.	1.8	14
16	Statistical optimization of parameters for enhanced properties of diffusion bonded AA6061 and AA 7075 aluminium alloys. Materials Today: Proceedings, 2021, 39, 388-397.	1.8	4
17	Design of high efficiency energy harvesting circuit using dual switching technique. Materials Today: Proceedings, 2021, 39, 725-730.	1.8	2
18	Optimization and performance evaluation of PLA polymer material in situ carbon particles on structural properties. Materials Today: Proceedings, 2021, 39, 223-229.	1.8	11

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19	Performance Evaluation of Textured Inserts with MQL in Machining of PH Stainless Steel. Materials Today: Proceedings, 2021, 39, 279-284.	1.8	5
20	Development of Grey-ANFIS Model for Wire Electrical Discharge Machining of Al-GNP Composites. Materials Today: Proceedings, 2021, 39, 301-310.	1.8	4
21	Development of neural network models for wire electrical discharge machining of Haste alloy. Materials Today: Proceedings, 2021, 39, 438-445.	1.8	16
22	Comparison of corrosion behavior on laser welded austenitic stainless steel. Materials Today: Proceedings, 2021, 39, 649-653.	1.8	7
23	Performance comparison of artificial neural network and multiple regression models for wire electrical discharge machining of haste alloy. Materials Today: Proceedings, 2021, 39, 524-532.	1.8	1
24	Predictive Models for Wire Spark Erosion Machining of AA 7075 Alloy Using Multiple Regression Analysis. Lecture Notes in Mechanical Engineering, 2021, , 429-438.	0.4	14
25	Investigations on Wire Electrical Discharge Machining of Nickel-Based Superalloy Using Taguchi's Approach. Lecture Notes in Mechanical Engineering, 2021, , 267-274.	0.4	14
26	Prediction of Performance Measures in Wire Electrical Discharge Machining of Aluminum–Fly Ash Composites Using Regression Analysis. Lecture Notes in Mechanical Engineering, 2021, , 387-396.	0.4	2
27	Experimental Analysis on Wire Electrical Discharge Machining of Inconel 718 Using Taguchi's Method. Lecture Notes in Mechanical Engineering, 2021, , 497-504.	0.4	13
28	Investigations on Wire Spark Erosion Machining of AA 6061 Alloy Using Taguchi's Approach. Lecture Notes in Mechanical Engineering, 2021, , 577-585.	0.4	0
29	Performance evaluation of cryo-treated tungsten carbide inserts in machining PH stainless steel. Materials Today: Proceedings, 2020, 22, 487-491.	1.8	6
30	Experimental investigation and optimization of process parameters in EDM of aluminium metal matrix composites. Materials Today: Proceedings, 2020, 22, 525-530.	1.8	52
31	Optimisation of spark erosion machining process parameters using hybrid grey relational analysis and artificial neural network model. International Journal of Machining and Machinability of Materials, 2020, 22, 1.	0.1	16
32	Experimental investigation on surface integrity during machining of AISI 420 steel with tungsten carbide insert. Materials Today: Proceedings, 2020, 22, 992-997.	1.8	7
33	Investigations on multi-sheets single point incremental forming of commercial pure titanium alloys. Materials and Manufacturing Processes, 2020, 35, 1002-1009.	4.7	8
34	Machinability analysis of high strength materials with Cryo-Treated textured tungsten carbide inserts. Materials and Manufacturing Processes, 2019, 34, 502-510.	4.7	31
35	Machinability Analysis and ANFIS modelling on Advanced Machining of Hybrid Metal Matrix Composites for Aerospace Applications. Materials and Manufacturing Processes, 2019, 34, 1866-1881.	4.7	50
36	Experimental and Taguchi-Based Grey Approach of Laser Metal Deposition Technique on Nickel-Based Superalloy. Transactions of the Indian Institute of Metals, 2019, 72, 205-214.	1.5	32

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37	Influence of wire-EDM textured conventional tungsten carbide inserts in machining of aerospace materials (Ti–6Al–4V alloy). Materials and Manufacturing Processes, 2019, 34, 103-111.	4.7	77
38	Optimization of Spark Erosion Machining Process Parameters using Hybrid Grey Relational Analysis and Artificial Neural Network Model. International Journal of Machining and Machinability of Materials, 2019, 21, 1.	0.1	0
39	Microstructure Analysis and Evaluation of Mechanical Propertiesof Al 7075 GNP's Composites. Materials Today: Proceedings, 2018, 5, 14281-14291.	1.8	16
40	Investigation on Ti6Al4V laser metal deposition using Taguchi based grey approach. Materials Today: Proceedings, 2018, 5, 14375-14383.	1.8	18
41	Effect of Textured Tools on Machining of Ti-6Al-4V Alloy under Lubricant Condition. Materials Today: Proceedings, 2018, 5, 14230-14236.	1.8	10
42	Optimization of process parameters in Electrical Discharge Machining of Haste Alloy C276 using Taguchi's method. Materials Today: Proceedings, 2018, 5, 14432-14439.	1.8	31
43	Machinability Studies on CNC Turning of PH Stainless Steel with Coated Inserts. Materials Today: Proceedings, 2018, 5, 14520-14525.	1.8	8
44	Application of Taguchi based Grey Method for Multi Aspects Optimization on CNC Turning of AlSi7 Mg. Materials Today: Proceedings, 2018, 5, 14292-14301.	1.8	9
45	Multiple performance optimization of electrochemical drilling of Inconel 625 using Taguchi based Grey Relational Analysis. Engineering Science and Technology, an International Journal, 2017, 20, 662-671.	3.2	40
46	Optimisation of electrochemical drilling process using Taguchi method and regression analysis. International Journal of Machining and Machinability of Materials, 2017, 19, 136.	0.1	5
47	Optimisation of electrochemical drilling process using Taguchi method and regression analysis. International Journal of Machining and Machinability of Materials, 2017, 19, 136.	0.1	14
48	Characterization of Areca and Tamarind Fiber Reinforced Hybrid Polymer Composites for Structural Applications. , 0, , .		0
49	Prediction of Material Removal Rate in Wire Electrical Discharge Machining of Aluminum Composites for Automotive Components. , 0, , .		2
50	Investigations and regression modeling on mechanical characterization of cast aluminum alloy based (LM 26‰+‰graphite‰+‰fly ash) hybrid metal matrix composites. International Journal on Interactive Design and Manufacturing, 0, , 1.	2.2	6
51	Parametric optimization and multiple regression modelling for fabrication of aluminium alloy thin plate using wire arc additive manufacturing. International Journal on Interactive Design and Manufacturing, 0, , .	2.2	7
52	Fabrication of aluminium hybrid metal matrix composites and development multiple regression models for wire electrical discharge machining. International Journal on Interactive Design and Manufacturing, 0, , .	2.2	7
53	Generative modelling of laser beam welded Inconel 718 thin weldments using ANFIS based hybrid algorithm. International Journal on Interactive Design and Manufacturing, 0, , .	2.2	21