T Rajmohan

List of Publications by Year
in descending order

71 **papers**	1,742 **citations**	279798 23 **h-index**	302126 39 **g-index**
75 **all docs**	75 **docs citations**	75 **times ranked**	1299 **citing authors**

#	Article	IF	Citations
1	Sustainable Drilling of Nano SiC Reinforced Al Matrix Composites Using MQL and Cryogenic Cooling for Achieving the Better Surface Integrity. Silicon, 2022, 14, 1787-1805.	3.3	13
2	Surface Integrity Studies on WEDM of Magnesium Matrix Nano-SiC Reinforced Composites. Springer Proceedings in Materials, 2021, , 229-237.	0.3	0
3	An Experimental Study on Drilling of Titanium Alloy Using Taguchi-Based Fuzzy Logic Approach. Springer Proceedings in Materials, 2021, , 477-487.	0.3	0
4	Optimization of Machining Parameters During Turning of AISI 316L Stainless Steel Under Nanocutting Fluid Environment. Springer Proceedings in Materials, 2021, , 221-227.	0.3	0
5	Application of Water Cycle Algorithm for Optimizing the PAC Process Parameters in Cutting Ti–6Al–4V Alloy. Springer Proceedings in Materials, 2021, , 389-396.	0.3	0
6	Analysis of Thrust Force in Drilling of Titanium Alloy Using Taguchi's Method. Springer Proceedings in Materials, 2021, , 499-507.	0.3	0
7	Effect of MWCNT on Mechanical Properties of Glass-Jute Fiber Reinforced Nano Composites. Springer Proceedings in Materials, 2021, , 549-560.	0.3	1
8	Effect of Stacking Sequence on Mechanical Properties of MWCNT Filled Natural Fiber Reinforced Composites. Springer Proceedings in Materials, 2021, , 561-569.	0.3	0
9	Multiple Performance Optimization in Wear Characteristics of Mg-SiC Nanocomposites Using Grey-Fuzzy Algorithm. Silicon, 2020, 12, 1177-1186.	3.3	18
10	Eco Friendly Machining Processes for Sustainability - Review. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012044.	0.6	4
11	Synthesis and characterization of natural fiber reinforced laminated thermoplastic composite. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012015.	0.6	0
12	Hybrid WCMFO algorithm for the optimization of AWJ process parameters. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012041.	0.6	1
13	Study of the G-ratio of aluminium silicon carbide nano particles reinforced metal matrix composites. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012035.	0.6	0
14	Tribological characteristics of natural fiber composite - Review. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012048.	0.6	1
15	Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites. Materials and Manufacturing Processes, 2020, 35, 1304-1312.	4.7	15
16	Analysis of Power Consumption in the drilling of Nano SiC reinforced Aluminium matrix composites. IOP Conference Series: Materials Science and Engineering, 2020, 954, 012038.	0.6	0
17	Modeling and evolutionary computation on drilling of carbon fiber-reinforced polymer nanocomposite: an integrated approach using RSM based PSO. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	18
18	Effect of nano SiC particles on properties and characterization of Magnesium matrix nano composites. Materials Today: Proceedings, 2019, 16, 853-858.	1.8	6

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19	Effect of MWCNT particles on wear loss in dry sliding wear of PEEK matrix composites. Materials Today: Proceedings, 2019, 16, 800-807.	1.8	3
20	Experimental Evaluation of the Lubrication Performance in MQL Grinding of Nano SiC Reinforced Al Matrix Composites. Silicon, 2019, 11, 2987-2999.	3.3	30
21	Experimental Investigation and Optimization of Machining Parameters in WEDM of Nano-SiC Particles Reinforced Magnesium Matrix Composites. Silicon, 2019, 11, 1701-1716.	3.3	43
22	Review on effect machining parameters on performance of natural fibre–reinforced composites (NFRCs). Journal of Thermoplastic Composite Materials, 2019, 32, 1282-1302.	4.2	63
23	Experimental investigation of wear of multiwalled carbon nanotube particles-filled poly-ether-ether-ketone matrix composites under dry sliding. Journal of Thermoplastic Composite Materials, 2019, 32, 521-543.	4.2	16
24	Experimental investigation and optimization of machining parameters in drilling of fly ash-filled carbon fiber reinforced composites. Particulate Science and Technology, 2019, 37, 21-30.	2.1	26
25	Grinding of MMC using MQL based vegetable oil - Review. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012033.	0.6	5
26	Effects of MWCNT on Mechanical Properties of Glass-Flax Fiber Reinforced Nano Composites. Materials Today: Proceedings, 2018, 5, 11628-11635.	1.8	22
27	Wear Behavior of PEEK Matrix Composites: A Review. Materials Today: Proceedings, 2018, 5, 14583-14589.	1.8	27
28	Machining and its challenges on bio-fibre reinforced plastics: A critical review. Journal of Reinforced Plastics and Composites, 2018, 37, 1037-1050.	3.1	45
29	Studies on friction stir processing parameters on microstructure and micro hardness of Silicon carbide (SiC) particulate reinforced Magnesium(Mg) surface composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012013.	0.6	4
30	Mechanical behaviour of sisal – glass fiber reinforced hybrid Nano composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012090.	0.6	2
31	Dynamical analysis of Nano filled - Sisal fiber hybrid reinforced composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012059.	0.6	4
32	Effect of a nanoparticle-filled lubricant in turning of AISI 316L stainless steel (SS). Particulate Science and Technology, 2017, 35, 201-208.	2.1	19
33	Fabrication and Characterization of MWCNT Filled Hybrid Natural Fiber Composites. Journal of Natural Fibers, 2017, 14, 864-874.	3.1	48
34	Modeling and optimization in tribological parameters of polyether ether ketone matrix composites using D-optimal design. Journal of Thermoplastic Composite Materials, 2016, 29, 161-188.	4.2	16
35	Optimization of transesterification process parameters of castor oil ethanolysis using response surface methodology-based genetic algorithm. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 300-308.	2.3	9
36	Synthesis and characterization of dual particle (MWCT+B$_4$C) reinforced sintered hybrid aluminum matrix composites. Particulate Science and Technology, 2016, 34, 255-262.	2.1	24

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37	Multi-objective Optimization of Engine Parameters While Bio-lubricantâ€"Biofuel Combination of VCR Engine Using Taguchi-Grey Approach. Materials Forming, Machining and Tribology, 2016, , 105-123.	1.1	0
38	Synthesis and Characterization of Multi Wall Carbon Nanotubes (MWCNT) Reinforced Sintered Magnesium Matrix Composites. Journal of the Institution of Engineers (India): Series D, 2016, 97, 59-67.	1.0	12
39	Multiple Performance Optimization in WEDM Parameters Using Desirability Analysis. Applied Mechanics and Materials, 2015, 813-814, 352-356.	0.2	3
40	Experimental Investigation and Analysis of Machining Parameters in Drilling of Fly Ash Filled Carbon Fibre Reinforced Composites. Applied Mechanics and Materials, 2015, 813-814, 322-331.	0.2	2
41	Analysis of Surface Roughness in Drilling of Fly Ash Filled Carbon Fibre Reinforced Composites. Applied Mechanics and Materials, 2015, 813-814, 505-510.	0.2	4
42	Preparation and Characterization of Hybrid Aluminum Matrix Composites Reinforced with MWCNT Using Powder Metallurgy Process. Applied Mechanics and Materials, 2015, 813-814, 620-624.	0.2	2
43	Optimization of Dry Sliding Wear Parameters of MWCNT Reinforced Poly-Ether-Ether-Ketone (PEEK) Composites. Applied Mechanics and Materials, 2015, 813-814, 218-225.	0.2	2
44	Synthesis and Characterisation of Multi Wall Carbon Nano Tubes (MWCNT) Reinforced Poly-Ether-Ether-Ketone (PEEK) Composites. Applied Mechanics and Materials, 2015, 813-814, 235-239.	0.2	2
45	The influence of alumina on mechanical and tribological characteristics of graphite particle reinforced hybrid Al-MMC. Journal of Mechanical Science and Technology, 2014, 28, 4737-4744.	1.5	38
46	Multi-Response Optimization of Epoxidation Process Parameters of Rapeseed Oil Using Response Surface Methodology (RSM)-Based Desirability Analysis. Arabian Journal for Science and Engineering, 2014, 39, 2277-2287.	1.1	27
47	Synthesis and characterization of sintered hybrid aluminium matrix composites reinforced with nanocopper oxide particles and microsilicon carbide particles. Composites Part B: Engineering, 2014, 59, 43-49.	12.0	92
48	Optimization of machining parameters in turning of Al-SiC-Gr hybrid metal matrix composites using grey-fuzzy algorithm. Transactions of Nonferrous Metals Society of China, 2014, 24, 2805-2814.	4.2	137
49	Modeling and analysis of performances in drilling hybrid metal matrix composites using D-optimal design. International Journal of Advanced Manufacturing Technology, 2013, 64, 1249-1261.	3.0	41
50	Evaluation of mechanical and wear properties of hybrid aluminium matrix composites. Transactions of Nonferrous Metals Society of China, 2013, 23, 2509-2517.	4.2	209
51	Application of the central composite design in optimization of machining parameters in drilling hybrid metal matrix composites. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1470-1481.	5.0	125
52	Synthesis and characterization of nano filled carbon fiber reinforced composites. , 2013, , .		3
53	Multi response optimization of sintering parameters of nano copper oxide reinforced Metal Matrix composites. , 2013, , .		2
54	Grey-fuzzy algorithm to optimise machining parameters in drilling of hybrid metal matrix composites. Composites Part B: Engineering, 2013, 50, 297-308.	12.0	91

#	Article	IF	Citations
55	Evaluation of mechanical properties of nano filled glass fiber reinforced composites. , 2013, , .		8
56	Optimizing the Machining Parameters for Minimum Burr Height in Drilling of Hybrid Composites. Procedia Engineering, 2012, 38, 56-65.	1.2	5
57	Optimization of Machining Parameters in Electrical Discharge Machining (EDM) of 304 Stainless Steel. Procedia Engineering, 2012, 38, 1030-1036.	1.2	44
58	Optimization of machining parameters for multi-performance characteristics in drilling hybrid metal matrix composites. Journal of Composite Materials, 2012, 46, 869-878.	2.4	32
59	Experimental Investigation and Optimization of Process Parameters in Milling of Hybrid Metal Matrix Composites. Materials and Manufacturing Processes, 2012, 27, 1035-1044.	4.7	52
60	Optimization of machining parameters in drilling hybrid aluminium metal matrix composites. Transactions of Nonferrous Metals Society of China, 2012, 22, 1286-1297.	4.2	96
61	Analysis of Surface Integrity in Drilling Metal Matrix and Hybrid Metal Matrix Composites. Journal of Materials Science and Technology, 2012, 28, 761-768.	10.7	59
62	Optimization of Machining Parameters for Surface Roughness and Burr Height in Drilling Hybrid Composites. Materials and Manufacturing Processes, 2012, 27, 320-328.	4.7	57
63	Experimental Investigation and Analysis of Thrust Force in Drilling Hybrid Metal Matrix Composites by Coated Carbide Drills. Materials and Manufacturing Processes, 2011, 26, 961-968.	4.7	63
64	A mathematical model to predict thrust force in drilling hybrid metal matrix composites. , 2010, , .		3
65	Synthesis and Characterization of Multi Wall Carbon Nanotube (MWCNT) Filled Hybrid Banana-Glass Fiber Reinforced Composites. Applied Mechanics and Materials, 0, 766-767, 193-198.	0.2	12
66	Modeling and Analysis of Cutting Force in Turning of AISI 316L Stainless Steel (SS) under Nano Cutting Environment. Applied Mechanics and Materials, 0, 766-767, 949-955.	0.2	13
67	Experimental Investigation of Machining Parameters during Turning of AISI 316L Stainless Steel Using Nano Cutting Environment. Applied Mechanics and Materials, 0, 787, 361-365.	0.2	2
68	Multi response optimization of drilling performance of MWCNT filled banana-glass fibre reinforced composite. IOP Conference Series: Materials Science and Engineering, 0, 390, 012023.	0.6	2
69	Multi-Response Optimization Of Machining Parameters In CNC Turning Of AISI 316L Stainless Steel Using MQL Nano fluids. IOP Conference Series: Materials Science and Engineering, 0, 390, 012049.	0.6	4
70	Preparation and Analysis of the Thermal properties of Engine oil Reinforced with Multi-walled Carbon Nanotubes. IOP Conference Series: Materials Science and Engineering, 0, 390, 012068.	0.6	4
71	Review of WEDM studies on metal matrix composites. IOP Conference Series: Materials Science and Engineering, 0, 390, 012051.	0.6	10