K. Palanikumar

List of Publications by Year
in descending order

302 papers	8,441 citations	44042 48 h-index	64755 79 g-index
310 all docs	310 docs citations	310 times ranked	4780 citing authors

#	Article	IF	Citations
1	Mechanical property evaluation of sisal–jute–glass fiber reinforced polyester composites. Composites Part B: Engineering, 2013, 48, 1-9.	5.9	552
2	Plant fibre based bio-composites: Sustainable and renewable green materials. Renewable and Sustainable Energy Reviews, 2017, 79, 558-584.	8.2	468
3	Analysis of dry sliding wear behaviour of Al6061/SiC/Al2O3 hybrid metal matrix composites. Composites Part B: Engineering, 2013, 53, 159-168.	5.9	263
4	Comparative Evaluation on Properties of Hybrid Glass Fiber- Sisal/Jute Reinforced Epoxy Composites. Procedia Engineering, 2013, 51, 745-750.	1.2	234
5	Experimental investigation and optimisation in drilling of GFRP composites. Measurement: Journal of the International Measurement Confederation, 2011, 44, 2138-2148.	2.5	217
6	Evaluation of mechanical and wear properties of hybrid aluminium matrix composites. Transactions of Nonferrous Metals Society of China, 2013, 23, 2509-2517.	1.7	209
7	Application of Taguchi and response surface methodologies for surface roughness in machining glass fiber reinforced plastics by PCD tooling. International Journal of Advanced Manufacturing Technology, 2008, 36, 19-27.	1.5	204
8	Assessment of factors influencing surface roughness on the machining of glass fiber-reinforced polymer composites. Materials & Design, 2006, 27, 862-871.	5.1	169
9	Application of grey fuzzy logic for the optimization of drilling parameters for CFRP composites with multiple performance characteristics. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1286-1296.	2.5	159
10	Analysis on Drilling of Glass Fiber–Reinforced Polymer (GFRP) Composites Using Grey Relational Analysis. Materials and Manufacturing Processes, 2012, 27, 297-305.	2.7	127
11	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.	2.5	125
12	Assessment of factors influencing surface roughness on the machining of Al/SiC particulate composites. Materials & Design, 2007, 28, 1584-1591.	5.1	117
13	Measurement and analysis of surface roughness in turning of aerospace titanium alloy (gr5). Measurement: Journal of the International Measurement Confederation, 2012, 45, 1266-1276.	2.5	117
14	Surface Roughness Analysis in Machining of Titanium Alloy. Materials and Manufacturing Processes, 2008, 23, 174-181.	2.7	106
15	Modeling and analysis for surface roughness in machining glass fibre reinforced plastics using response surface methodology. Materials & Design, 2007, 28, 2611-2618.	5.1	105
16	Evaluation of Delamination in Drilling GFRP Composites. Materials and Manufacturing Processes, 2008, 23, 858-864.	2.7	100
17	Analysis of delamination in drilling glass fiber reinforced polyester composites. Materials & Design, 2013, 45, 80-87.	5.1	97
18	Optimization of electrical discharge machining characteristics of WC/Co composites using non-dominated sorting genetic algorithm (NSGA-II). International Journal of Advanced Manufacturing Technology, 2008, 36, 1124-1132.	1.5	96

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19	Optimization of machining parameters in drilling hybrid aluminium metal matrix composites. Transactions of Nonferrous Metals Society of China, 2012, 22, 1286-1297.	1.7	96
20	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.	5.9	92
21	Grey-fuzzy algorithm to optimise machining parameters in drilling of hybrid metal matrix composites. Composites Part B: Engineering, 2013, 50, 297-308.	5.9	91
22	Experimental Investigation on the Mechanical Properties of Green Hybrid Sisal and Glass Fiber Reinforced Polymer Composites. Journal of Natural Fibers, 2016, 13, 321-331.	1.7	88
23	Study on a Novel natural cellulosic fiber from Kigelia africana fruit: Characterization and analysis. Carbohydrate Polymers, 2020, 244, 116494.	5.1	86
24	OPTIMAL MACHINING CONDITIONS FOR TURNING OF PARTICULATE METAL MATRIX COMPOSITES USING TAGUCHI AND RESPONSE SURFACE METHODOLOGIES. Machining Science and Technology, 2006, 10, 417-433.	1.4	85
25	Assessment of some factors influencing tool wear on the machining of glass fibre-reinforced plastics by coated cemented carbide tools. Journal of Materials Processing Technology, 2009, 209, 511-519.	3.1	85
26	Application of fuzzy logic for modeling surface roughness in turning CFRP composites using CBN tool. Production Engineering, 2011, 5, 191-199.	1.1	82
27	Some natural fibers used in polymer composites and their extraction processes: A review. Journal of Reinforced Plastics and Composites, 2014, 33, 1879-1892.	1.6	78
28	SURFACE ROUGHNESS PARAMETERS OPTIMIZATION IN MACHINING A356/SiC/20<scp>p</scp>METAL MATRIX COMPOSITES BY PCD TOOL USING RESPONSE SURFACE METHODOLOGY AND DESIRABILITY FUNCTION. Machining Science and Technology, 2008, 12, 529-545.	1.4	77
29	Fuzzy Modeling and Analysis of Machining Parameters in Machining Titanium Alloy. Materials and Manufacturing Processes, 2008, 23, 439-447.	2.7	74
30	Role of carbon nanotubes (CNTs) in improving wear properties of polypropylene (PP) in dry sliding condition. Materials & Design, 2013, 48, 52-57.	5.1	72
31	Cutting Parameters Optimization for Surface Roughness in Machining of GFRP Composites using Taguchiâ€™s Method. Journal of Reinforced Plastics and Composites, 2006, 25, 1739-1751.	1.6	71
32	Delamination Analysis in Drilling of CFRP Composites Using Response Surface Methodology. Journal of Composite Materials, 2009, 43, 2885-2902.	1.2	71
33	Modeling and Analysis of Delamination Factor and Surface Roughness in Drilling GFRP Composites. Materials and Manufacturing Processes, 2010, 25, 1059-1067.	2.7	71
34	Optimization of delamination factor in drilling GFRâ€"polypropylene composites. Materials and Manufacturing Processes, 2017, 32, 226-233.	2.7	66
35	Mathematical model to predict tool wear on the machining of glass fibre reinforced plastic composites. Materials & Design, 2007, 28, 2008-2014.	5.1	64
36	Evaluation of Mechanical and Interfacial Properties of Sisal/Jute/Glass Hybrid Fiber Reinforced Polymer Composites. Transactions of the Indian Institute of Metals, 2016, 69, 1851-1859.	0.7	64

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37	Multiple Performance Optimization of Machining Parameters on the Machining of GFRP Composites Using Carbide (K10) Tool. Materials and Manufacturing Processes, 2006, 21, 846-852.	2.7	63
38	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.	2.7	63
39	Experimental investigation and analysis of thrust force in drilling cast hybrid metal matrix (Alâ€"15%SiCâ€"4%graphite) composites. Measurement: Journal of the International Measurement Confederation, 2014, 53, 240-250.	2.5	62
40	Influence of fiber orientation and fiber content on properties of sisalâ€juteâ€glass fiberâ€reinforced polyester composites. Journal of Applied Polymer Science, 2016, 133, .	1.3	62
41	Analysis of Surface Integrity in Drilling Metal Matrix and Hybrid Metal Matrix Composites. Journal of Materials Science and Technology, 2012, 28, 761-768.	5.6	59
42	Multiple performance optimization in machining of GFRP composites by a PCD tool using non-dominated sorting genetic algorithm (NSGA-II). Metals and Materials International, 2009, 15, 249-258.	1.8	57
43	Optimization of Machining Parameters for Surface Roughness and Burr Height in Drilling Hybrid Composites. Materials and Manufacturing Processes, 2012, 27, 320-328.	2.7	57
44	Measurement and analysis of thrust force in drilling of particle board (PB) composite panels. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1220-1230.	2.5	57
45	Optimization of machining parameters in turning GFRP composites using a carbide (K10) tool based on the taguchi method with fuzzy logics. Metals and Materials International, 2006, 12, 483-491.	1.8	56
46	Chatter Suppression in Boring Operation Using Magnetorheological Fluid Damper. Materials and Manufacturing Processes, 2008, 23, 329-335.	2.7	54
47	Flow stress modeling of AZ91 magnesium alloys at elevated temperature. Journal of Alloys and Compounds, 2011, 509, 4992-4998.	2.8	54
48	Evaluation on mechanical properties of woven aloevera and sisal fibre hybrid reinforced epoxy composites. Bulletin of Materials Science, 2015, 38, 1183-1193.	0.8	54
49	Influence of process parameters on electric discharge machining of WC/30%Co composites. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 807-815.	1.5	53
50	Measurement and analysis of thrust force and delamination in drilling glass fiber reinforced polypropylene composites using different drills. Measurement: Journal of the International Measurement Confederation, 2020, 149, 106973.	2.5	53
51	Experimental Investigation and Surface roughness Analysis on Hard turning of AISI D2 Steel using Coated Carbide Insert. Procedia Engineering, 2014, 97, 72-77.	1.2	52
52	Investigation of drilling parameters on hybrid polymer composites using grey relational analysis, regression, fuzzy logic, and ANN models. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	50
53	Analysis of surface roughness parameters in turning of FRP tubes by PCD tool. Journal of Materials Processing Technology, 2008, 204, 469-474.	3.1	44
54	Optimization of Machining Parameters in Electrical Discharge Machining (EDM) of 304 Stainless Steel. Procedia Engineering, 2012, 38, 1030-1036.	1.2	44

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55	Dry Sliding Wear Behaviour of AA6061-T6 Reinforced SiC and Al2O3 Particulate Hybrid Composites. Procedia Engineering, 2014, 97, 694-702.	1.2	43
56	Thrust Force Analysis in Drilling Glass Fiber Reinforced/Polypropylene (GFR/PP) Composites. Materials and Manufacturing Processes, 2016, 31, 581-586.	2.7	43
57	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.	1.5	41
58	Influence of Tool Materials on Thrust Force and Delamination in Drilling Sisal-glass Fiber Reinforced Polymer (S-GFRP) Composites. , 2014, 5, 1915-1921.		41
59	Sustainable friction stir spot welding of 6061-T6 aluminium alloy using improved non-dominated sorting teaching learning algorithm. Journal of Materials Research and Technology, 2020, 9, 11650-11674.	2.6	41
60	Optimization of delamination factor in drilling medium-density fiberboards (MDF) using desirability-based approach. International Journal of Advanced Manufacturing Technology, 2009, 45, 370-381.	1.5	40
61	Mechanical and machinability behaviors of woven coir fiber-reinforced polyester composite. Fibers and Polymers, 2013, 14, 1505-1514.	1.1	40
62	Influence of Drill Point Angle in High Speed Drilling of Glass Fiber Reinforced Plastics. Journal of Composite Materials, 2008, 42, 2585-2597.	1.2	39
63	Optimization of squeeze cast process parameters on mechanical properties of Al_2O_3/SiC reinforced hybrid metal matrix composites using taguchi technique. Materials Research Express, 2018, 5, 066516.	0.8	39
64	Implications on the influence of mica on the mechanical properties of cast hybrid (Al+10%B4C+Mica) metal matrix composite. Journal of Materials Research and Technology, 2021, 10, 99-109.	2.6	38
65	MODELING AND OPTIMIZATION OF PROCESS PARAMETERS FOR DELAMINATION IN DRILLING GLASS FIBER REINFORCED PLASTIC (GFRP) COMPOSITES. Machining Science and Technology, 2011, 15, 172-191.	1.4	36
66	Influence of Machining Parameters on Delamination in Drilling of GFRP-armour Steel Sandwich Composites. Procedia Engineering, 2013, 51, 758-763.	1.2	36
67	Optimizing the friction welding parameters to attain maximum tensile strength in AISI 1035 grade carbon steel rods. Measurement: Journal of the International Measurement Confederation, 2014, 53, 10-21.	2.5	36
68	Mechanical Properties Evaluation of the Carbon Fibre Reinforced Aluminium Sandwich Composites. Materials Research, 2015, 18, 1029-1037.	0.6	36
69	Influence of carbon nano tubes on mechanical, metallurgical and tribological behavior of magnesium nanocomposites. Journal of Magnesium and Alloys, 2017, 5, 326-335.	5.5	35
70	Mechanical Characteristics and Terminological Behavior Study on Natural Fiber Nano reinforced Polymer Composite â€" A Review. Materials Today: Proceedings, 2019, 16, 1287-1296.	0.9	35
71	Prediction of the flow stress of 6061 Alâ€"15% SiC â€" MMC composites using adaptive network based fuzzy inference system. Materials & Design, 2009, 30, 1362-1370.	5.1	34
72	Fabrication and tribological study of AA6061 hybrid metal matrix composites reinforced with SiC/B_4C nanoparticles. Industrial Lubrication and Tribology, 2019, 71, 83-93.	0.6	34

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73	Optimization of machining parameters for multi-performance characteristics in drilling hybrid metal matrix composites. Journal of Composite Materials, 2012, 46, 869-878.	1.2	32
74	Technologies in additive manufacturing for fiber reinforced composite materials: a review. Current Opinion in Chemical Engineering, 2020, 28, 51-59.	3.8	31
75	Enhanced Thermal Stability, Mechanical Properties and Structural Integrity of MWCNT Filled Bamboo/Kenaf Hybrid Polymer Nanocomposites. Materials, 2022, 15, 506.	1.3	31
76	Surface Roughness Parameters Evaluation in Machining GFRP Composites by PCD Tool using Digital Image Processing. Journal of Reinforced Plastics and Composites, 2009, 28, 1567-1585.	1.6	30
77	Modeling and analysis of surface roughness on machining of Nimonic C-263 alloy by PVD coated carbide insert. Transactions of Nonferrous Metals Society of China, 2011, 21, 1986-1994.	1.7	28
78	Evaluation on mechanical properties of randomly oriented Caryota fiber reinforced polymer composites. Journal of Materials Research and Technology, 2020, 9, 7915-7925.	2.6	28
79	Evaluation of mechanical properties of coconut flower cover fibre-reinforced polymer composites for industrial applications. Progress in Rubber, Plastics and Recycling Technology, 2021, 37, 3-18.	0.8	28
80	Modelling and Analysis of Thrust Force in Drilling of GFRP Composites Using Response Surface Methodology (RSM). Procedia Engineering, 2012, 38, 3757-3768.	1.2	27
81	Tool materials influence on surface roughness and oversize in machining glass fiber reinforced polypropylene (GFR-PP) composites. Materials and Manufacturing Processes, 2017, 32, 988-997.	2.7	27
82	Sliding wear of LM25 aluminium alloy with 7.5% SiC+2.5% TiO_2 and 2.5% SiC+7.5% TiO_2 hybrid composites. Journal of Composite Materials, 2014, 48, 2227-2236.	1.2	26
83	Surface Roughness Analysis in Turning of Titanium Alloy by Nanocoated Carbide Insert. , 2014, 5, 2159-2168.		25
84	Bio Caryota Fiber Reinforced Polymer Composites: Mechanical Properties and Vibration Behavior Analysis. Journal of Bionic Engineering, 2019, 16, 480-491.	2.7	25
85	Statistical Analysis of Delamination in Drilling Glass Fiber-Reinforced Plastics (GFRP). Journal of Reinforced Plastics and Composites, 2008, 27, 1615-1623.	1.6	24
86	Investigation on the Turning Parameters for Surface Roughness using Taguchi Analysis. Procedia Engineering, 2013, 51, 781-790.	1.2	24
87	Synthesis and characterization of dual particle (MWCT+B_4C) reinforced sintered hybrid aluminum matrix composites. Particulate Science and Technology, 2016, 34, 255-262.	1.1	24
88	Role of Calcium Carbonate(CaCO3) in improving wear resistance of Polypropylene(PP) components used in automobiles. Materials Today: Proceedings, 2019, 16, 1363-1371.	0.9	24
89	Drilling Parameters Analysis on In-Situ Al/B4C/Mica Hybrid Composite and an Integrated Optimization Approach Using Fuzzy Model and Non-Dominated Sorting Genetic Algorithm. Metals, 2021, 11, 2060.	1.0	24
90	Mathematical Model to Predict the Surface Roughness on the Machining of Glass Fiber Reinforced Polymer Composites. Journal of Reinforced Plastics and Composites, 2006, 25, 407-419.	1.6	23

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91	Metal to Metal Worn Surface of AA6061 Hybrid Composites Casted by Stir Casting Method. Procedia Engineering, 2014, 97, 703-712.	1.2	23
92	Study of sandwich effect on nanoclay modified polyester resin GFR face sheet laminates. Composite Structures, 2015, 125, 336-342.	3.1	23
93	Modeling and analysis of roundness error in friction drilling of aluminum silicon carbide metal matrix composite. Journal of Composite Materials, 2012, 46, 169-181.	1.2	21
94	Turning CFRP Composites with Ceramic tool for Surface Roughness Analysis. Procedia Engineering, 2012, 38, 2922-2929.	1.2	21
95	Experimental investigation and analysis on the wear properties of glass fiber and CNT reinforced hybrid polymer composites. Science and Engineering of Composite Materials, 2018, 25, 963-974.	0.6	21
96	Effect of Electrical Discharge Machining on strength and reliability of WCâ€"30%Co composite. Materials & Design, 2012, 39, 469-474.	5.1	20
97	Numerical and experimental analysis on tensile properties of banana and glass fibers reinforced epoxy composites. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 1357-1367.	0.8	20
98	Influence of Primary B4C Particles and Secondary Mica Particles on the Wear Performance of Al6061/B4C/Mica Hybrid Composites. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	1.2	20
99	Experimental Investigation and Analysis on Delamination in Drilling of Wood Composite Medium Density Fiber Boards. Materials and Manufacturing Processes, 2009, 24, 1341-1348.	2.7	19
100	Analysis of friction welding parameters on the mechanical metallurgical and chemical properties of AISI 1035 steel joints. Materials & Design, 2015, 65, 652-661.	5.1	19
101	Effect of a nanoparticle-filled lubricant in turning of AISI 316L stainless steel (SS). Particulate Science and Technology, 2017, 35, 201-208.	1.1	19
102	Analysis of the Machining Characteristics on Surface Roughness of a Hybrid Aluminium Metal Matrix Composite (Al6061-SiC-Al&lt;sub&gt;2&lt;/sub&gt;O&lt;sub&gt;3&lt;/sub&gt;). Journal of Minerals and Materials Characterization and Engineering, 2011, 10, 1213-1224.	0.1	19
103	Modeling and Analysis of Cutting Force in Turning of GFRP Composites by CBN Tools. Journal of Reinforced Plastics and Composites, 2008, 27, 711-723.	1.6	18
104	Surface Roughness Model for Machining Glass Fiber Reinforced Plastics by PCD Tool using Fuzzy Logics. Journal of Reinforced Plastics and Composites, 2009, 28, 2273-2286.	1.6	18
105	Machinability evaluation and comparison of Incoloy 825, Inconel 603 XL, Monel K400 and Inconel 600 super alloys in wire electrical discharge machining. Journal of Materials Research and Technology, 2020, 9, 12260-12272.	2.6	18
106	Impact Behaviour Analysis of Sisal/Jute and Glass Fiber Reinforced Hybrid Composites. Advanced Materials Research, 0, 984-985, 266-272.	0.3	17
107	Investigation on mechanical properties of woven alovera/sisal/kenaf fibres and their hybrid composites. Bulletin of Materials Science, 2017, 40, 117-128.	0.8	17
108	Analysis and optimisation of cutting parameters for surface roughness in machining Al/SiC particulate composites by PCD tool. International Journal of Materials and Product Technology, 2010, 37, 117.	0.1	16

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109	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.	2.6	16
110	A review of mechanical and tribological behaviour of polymer composite materials. IOP Conference Series: Materials Science and Engineering, 2018, 344, 012015.	0.3	16
111	Effect of nanomodified polyester resin on hybrid sandwich laminates. Materials & Design, 2014, 54, 507-514.	5.1	15
112	Study on Drilling of Woven Sisal and Aloevera Natural Fibre Polymer Composite. Materials Today: Proceedings, 2019, 16, 640-646.	0.9	15
113	Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites. Materials and Manufacturing Processes, 2020, 35, 1304-1312.	2.7	15
114	Investigation of the effect of process parameters on surface roughness in drilling of particleboard composite panels using adaptive neuro fuzzy inference system. Materials and Manufacturing Processes, 2020, 35, 469-477.	2.7	15
115	Processing and Mechanical Property Evaluation of Flax-Glass Fiber Reinforced Polymer Composites. Applied Mechanics and Materials, 0, 766-767, 144-149.	0.2	14
116	Mechanical Property Evaluation of Hybrid Reinforced Epoxy Composite. Materials Today: Proceedings, 2019, 16, 430-438.	0.9	14
117	Analysis on drilling of woven glass fibre reinforced aluminium sandwich laminates. Journal of Materials Research and Technology, 2019, 8, 1024-1035.	2.6	14
118	Effects of magnesium carbonate concentration and lignin presence on properties of natural cellulosic Cissus quadrangularis fiber composites. International Journal of Biological Macromolecules, 2020, 164, 3611-3620.	3.6	14
119	Microstructural and Wear Behavior of Al2014-Alumina Composites with Varying Alumina Content. Transactions of the Indian Institute of Metals, 2022, 75, 133-147.	0.7	14
120	Experimental study on machining of titanium alloy (Ti64) by CVD and PVD coated carbide inserts. International Journal of Manufacturing Technology and Management, 2009, 17, 373.	0.1	13
121	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
122	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.	1.8	13
123	Studies on Mechanical Characterization of Polypropylene/Na<sup>+</sup>-MMT Nanocomposites. Journal of Minerals and Materials Characterization and Engineering, 2010, 09, 671-681.	0.1	13
124	Experimental analysis and optimization on machining of coated carbon fiber and nanoclay reinforced aluminum hybrid composites. Carbon Letters, 2022, 32, 815-833.	3.3	13
125	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
126	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.	0.6	12

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127	Analysis of Mechanical, Metallurgical and Fatigue Behavior of Friction Welded AA6061-AA2024 Dissimilar Aluminum Alloys in Optimized Condition. Materials Today: Proceedings, 2018, 5, 7853-7863.	0.9	12
128	Effects of heat distribution during cold metal transfer arc welding on galvanized steel using volumetric heat source model. Journal of Materials Research and Technology, 2020, 9, 10097-10109.	2.6	12
129	Heat transfer analysis of double tube heat exchanger with helical inserts. Materials Today: Proceedings, 2021, 46, 3588-3595.	0.9	12
130	Analysis of Chip Formation and Temperature Measurement in Machining of Titanium Alloy (Ti-6Al-4V). Experimental Techniques, 2023, 47, 517-529.	0.9	12
131	Modeling of Thrust Force in Drilling of Plain Medium Density Fiberboard (MDF) Composite Panels Using RSM. Procedia Engineering, 2012, 38, 1828-1835.	1.2	11
132	Analyzing surface quality in machined composites. , 2012, , 154-182.		11
133	Influence of drilling process parameters on hybrid vinyl ester composite. Materials and Manufacturing Processes, 2018, 33, 1299-1305.	2.7	11
134	Nanoclay Addition and Core Materials Effect on Impact and Damage Tolerance Capability of Glass Fiber Skin Sandwich Laminates. Silicon, 2018, 10, 769-779.	1.8	11
135	Investigation of Glass Fiber influence on Mechanical characteristics and resistance to Water absorption of Natural fiber reinforced polyester composites. Materials Today: Proceedings, 2019, 16, 843-852.	0.9	11
136	Assay of Machining attributes in Drilling of Natural Hybrid Fiber Reinforced Polymer Composite. Materials Today: Proceedings, 2019, 16, 1097-1105.	0.9	11
137	Subsurface integrity studies on the drilling of Al/B$_4$C/mica hybrid metal matrix composites. Materials and Manufacturing Processes, 2020, 35, 52-60.	2.7	11
138	Natural sisal fiber-based woven glass hybrid polymer composites for mono leaf spring: Experimental and numerical analysis. Progress in Rubber, Plastics and Recycling Technology, 2021, 37, 32-48.	0.8	11
139	Influence of Cutting Parameters in Machining of Titanium Alloy. Indian Journal of Science and Technology, 2015, 8, 556.	0.5	11
140	Application of Probablistic Neural Network for the Development of Wear Mechanism Map for Glass Fiber Reinforced Plastics. Journal of Reinforced Plastics and Composites, 2007, 26, 1893-1906.	1.6	10
141	Influence of machining parameters on surface roughness and material removal rate in machining carbon fiber reinforced polymer material. , 2010, , .		10
142	Assessment of Factors Influencing Tool Wear on the Machining of Nimonic C-263 Alloy with PVD Coated Carbide Inserts. Advanced Materials Research, 0, 291-294, 794-799.	0.3	10
143	Preparation and properties of nanopolymer advanced composites: A review. , 2018, , 27-73.		10
144	Comparative analysis of cashew and canola oil biodiesel with homogeneous catalyst by transesterification method. Materials Today: Proceedings, 2019, 16, 1357-1362.	0.9	10

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145	Experimental investigation on the mechanical properties of aluminium sandwiched sisal/kenaf/aloevera/jute/flax natural fibre-reinforced epoxy LY556/GY250 composites. Polymers and Polymer Composites, 2021, 29, 1495-1504.	1.0	10
146	Mechanical Properties of AISI 316L Austenitic Stainless Steels Welded by GTAW. Advanced Materials Research, 2013, 849, 50-57.	0.3	9
147	Application of Artificial Neural Network for the Prediction of Surface Roughness in Drilling GFRP Composites. Materials Science Forum, 0, 766, 21-36.	0.3	9
148	Influence of Thrust Force in Drilling of Glass Fiber Reinforced Polycarbonate (GFR/PC) Thermoplastic Matrix Composites Using Box-behnken Design. , 2014, 5, 2152-2158.		9
149	Effect of Silicon Carbide (SiC) on Stir Cast Aluminium Metal Matrix Hybrid Composites â€" A Review. Applied Mechanics and Materials, 0, 766-767, 293-300.	0.2	9
150	Optimization and sensitivity analysis of drilling parameters for sustainable machining of carbon fiberâ€"reinforced polypropylene composites. Journal of Thermoplastic Composite Materials, 2019, 32, 1485-1508.	2.6	9
151	Effect of heat treatment on magnesium alloys used in automotive industry: A review. Materials Today: Proceedings, 2021, 46, 3769-3771.	0.9	9
152	Effects of gallium, phosphorus and nickel addition in lead-free solders: A review. Materials Today: Proceedings, 2021, 46, 3578-3581.	0.9	9
153	Corrosion resistance of corten steel â€" A review. Materials Today: Proceedings, 2021, 46, 3572-3577.	0.9	9
154	Optimal Machining Parameters for Achieving Minimal Tool Wear in Turning Of GFRP Composites. Journal for Manufacturing Science and Production, 2004, 6, 119-128.	0.1	8
155	Wear Mechanism of Glass Fiber Reinforced Epoxy Composites Under Dry Sliding Using Fuzzy Clustering Technique. Journal of Reinforced Plastics and Composites, 2009, 28, 1349-1358.	1.6	8
156	Surface roughness analysis on machining of nimonic C-263 alloy using ANN and RSM techniques. International Journal of Precision Technology, 2011, 2, 340.	0.2	8
157	Experimental investigation and analysis in turning of CFRP composites. Journal of Composite Materials, 2012, 46, 809-821.	1.2	8
158	Electrical discharge machining: study on machining characteristics of WC/Co composites. , 2013, , 135-168.		8
159	Processing and Mechanical Property Evaluation of Kenaf-Glass Fiber Reinforced Polymer Composites. Applied Mechanics and Materials, 0, 766-767, 187-192.	0.2	8
160	Analysis on influence of machining parameters on thrust force in drilling GFRP-armor steel sandwich composites. Journal of Composite Materials, 2015, 49, 1539-1551.	1.2	8
161	Experimental Investigation and Analysis on Thrust Force in Drilling of Wood Composite Medium Density Fiberboard Panels. Experimental Techniques, 2016, 40, 391-400.	0.9	8
162	Mechanical Property Analysis on Sandwich Structured Hybrid Composite Made from Natural Fibre, Glass Fibre and Ceramic Fibre Wool Reinforced with Epoxy Resin. IOP Conference Series: Materials Science and Engineering, 2017, 205, 012015.	0.3	8

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163	Optimizing the Plasma Arc Welding Process Parameters to Attain the Minimum Corrosion Rate in the AISI 409M grade Ferritic Stainless Steel Autogenous Joints. Materials Today: Proceedings, 2019, 16, 1259-1270.	0.9	8
164	Nano Indendation Hardness Testing Of PP-CNT Composites. Materials Today: Proceedings, 2019, 16, 1372-1377.	0.9	8
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