

K. Palanikumar

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293
papers

6,126
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41
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310
ext. papers

7,100
ext. citations

2
avg, IF

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L-index

#	Paper	IF	Citations
293	Mechanical property evaluation of sisal/jute/glass fiber reinforced polyester composites. <i>Composites Part B: Engineering</i> , 2013 , 48, 1-9	10	431
292	Plant fibre based bio-composites: Sustainable and renewable green materials. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 79, 558-584	16.2	323
291	Analysis of dry sliding wear behaviour of Al6061/SiC/Al ₂ O ₃ hybrid metal matrix composites. <i>Composites Part B: Engineering</i> , 2013 , 53, 159-168	10	191
290	Comparative Evaluation on Properties of Hybrid Glass Fiber- Sisal/Jute Reinforced Epoxy Composites. <i>Procedia Engineering</i> , 2013 , 51, 745-750		185
289	Experimental investigation and optimisation in drilling of GFRP composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011 , 44, 2138-2148	4.6	179
288	Application of Taguchi and response surface methodologies for surface roughness in machining glass fiber reinforced plastics by PCD tooling. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 36, 19-27	3.2	165
287	Evaluation of mechanical and wear properties of hybrid aluminium matrix composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 2509-2517	3.3	156
286	Application of grey fuzzy logic for the optimization of drilling parameters for CFRP composites with multiple performance characteristics. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012 , 45, 1286-1296	4.6	136
285	Assessment of factors influencing surface roughness on the machining of glass fiber-reinforced polymer composites. <i>Materials & Design</i> , 2006 , 27, 862-871		131
284	Analysis on Drilling of Glass Fiber Reinforced Polymer (GFRP) Composites Using Grey Relational Analysis. <i>Materials and Manufacturing Processes</i> , 2012 , 27, 297-305	4.1	105
283	Application of the central composite design in optimization of machining parameters in drilling hybrid metal matrix composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 1470-1481	4.6	99
282	Assessment of factors influencing surface roughness on the machining of Al/SiC particulate composites. <i>Materials & Design</i> , 2007 , 28, 1584-1591		98
281	Measurement and analysis of surface roughness in turning of aerospace titanium alloy (gr5). <i>Measurement: Journal of the International Measurement Confederation</i> , 2012 , 45, 1266-1276	4.6	96
280	Modeling and analysis for surface roughness in machining glass fibre reinforced plastics using response surface methodology. <i>Materials & Design</i> , 2007 , 28, 2611-2618		89
279	Surface Roughness Analysis in Machining of Titanium Alloy. <i>Materials and Manufacturing Processes</i> , 2008 , 23, 174-181	4.1	86
278	Evaluation of Delamination in Drilling GFRP Composites. <i>Materials and Manufacturing Processes</i> , 2008 , 23, 858-864	4.1	84
277	Synthesis and characterization of sintered hybrid aluminium matrix composites reinforced with nanocopper oxide particles and microsilicon carbide particles. <i>Composites Part B: Engineering</i> , 2014 , 59, 43-49	10	78

276	Grey-fuzzy algorithm to optimise machining parameters in drilling of hybrid metal matrix composites. <i>Composites Part B: Engineering</i> , 2013 , 50, 297-308	10	77
275	Assessment of some factors influencing tool wear on the machining of glass fibre-reinforced plastics by coated cemented carbide tools. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 511-519	5.3	76
274	Optimization of machining parameters in drilling hybrid aluminium metal matrix composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 1286-1297	3.3	73
273	Analysis of delamination in drilling glass fiber reinforced polyester composites. <i>Materials & Design</i> , 2013 , 45, 80-87		73
272	OPTIMAL MACHINING CONDITIONS FOR TURNING OF PARTICULATE METAL MATRIX COMPOSITES USING TAGUCHI AND RESPONSE SURFACE METHODOLOGIES. <i>Machining Science and Technology</i> , 2006 , 10, 417-433	2	72
271	Optimization of electrical discharge machining characteristics of WC/Co composites using non-dominated sorting genetic algorithm (NSGA-II). <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 36, 1124-1132	3.2	70
270	SURFACE ROUGHNESS PARAMETERS OPTIMIZATION IN MACHINING A356/SiC/20p METAL MATRIX COMPOSITES BY PCD TOOL USING RESPONSE SURFACE METHODOLOGY AND DESIRABILITY FUNCTION. <i>Machining Science and Technology</i> , 2008 , 12, 529-545	2	66
269	Application of fuzzy logic for modeling surface roughness in turning CFRP composites using CBN tool. <i>Production Engineering</i> , 2011 , 5, 191-199	1.9	63
268	Experimental Investigation on the Mechanical Properties of Green Hybrid Sisal and Glass Fiber Reinforced Polymer Composites. <i>Journal of Natural Fibers</i> , 2016 , 13, 321-331	1.8	61
267	Fuzzy Modeling and Analysis of Machining Parameters in Machining Titanium Alloy. <i>Materials and Manufacturing Processes</i> , 2008 , 23, 439-447	4.1	61
266	Modeling and Analysis of Delamination Factor and Surface Roughness in Drilling GFRP Composites. <i>Materials and Manufacturing Processes</i> , 2010 , 25, 1059-1067	4.1	58
265	Cutting Parameters Optimization for Surface Roughness in Machining of GFRP Composites using Taguchi Method. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 1739-1751	2.9	58
264	Role of carbon nanotubes (CNTs) in improving wear properties of polypropylene (PP) in dry sliding condition. <i>Materials & Design</i> , 2013 , 48, 52-57		55
263	Some natural fibers used in polymer composites and their extraction processes: A review. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 1879-1892	2.9	54
262	Delamination Analysis in Drilling of CFRP Composites Using Response Surface Methodology. <i>Journal of Composite Materials</i> , 2009 , 43, 2885-2902	2.7	53
261	Mathematical model to predict tool wear on the machining of glass fibre reinforced plastic composites. <i>Materials & Design</i> , 2007 , 28, 2008-2014		51
260	Experimental Investigation and Analysis of Thrust Force in Drilling Hybrid Metal Matrix Composites by Coated Carbide Drills. <i>Materials and Manufacturing Processes</i> , 2011 , 26, 961-968	4.1	50
259	Multiple Performance Optimization of Machining Parameters on the Machining of GFRP Composites Using Carbide (K10) Tool. <i>Materials and Manufacturing Processes</i> , 2006 , 21, 846-852	4.1	49

258	Study on a Novel natural cellulosic fiber from Kigelia africana fruit: Characterization and analysis. <i>Carbohydrate Polymers</i> , 2020 , 244, 116494	10.3	48
257	Optimization of Machining Parameters for Surface Roughness and Burr Height in Drilling Hybrid Composites. <i>Materials and Manufacturing Processes</i> , 2012 , 27, 320-328	4.1	47
256	Multiple performance optimization in machining of GFRP composites by a PCD tool using non-dominated sorting genetic algorithm (NSGA-II). <i>Metals and Materials International</i> , 2009 , 15, 249-258	2.4	47
255	Optimization of delamination factor in drilling GFRP polypropylene composites. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 226-233	4.1	45
254	Experimental investigation and analysis of thrust force in drilling cast hybrid metal matrix (Al-5%SiC-4%graphite) composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 53, 240-250	4.6	45
253	Flow stress modeling of AZ91 magnesium alloys at elevated temperature. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4992-4998	5.7	43
252	Analysis of Surface Integrity in Drilling Metal Matrix and Hybrid Metal Matrix Composites. <i>Journal of Materials Science and Technology</i> , 2012 , 28, 761-768	9.1	41
251	Optimization of machining parameters in turning GFRP composites using a carbide (K10) tool based on the taguchi method with fuzzy logics. <i>Metals and Materials International</i> , 2006 , 12, 483-491	2.4	40
250	Influence of fiber orientation and fiber content on properties of sisal-jute-glass fiber-reinforced polyester composites. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	39
249	Evaluation on mechanical properties of woven aloevera and sisal fibre hybrid reinforced epoxy composites. <i>Bulletin of Materials Science</i> , 2015 , 38, 1183-1193	1.7	38
248	Measurement and analysis of thrust force in drilling of particle board (PB) composite panels. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 1220-1230	4.6	38
247	Influence of process parameters on electric discharge machining of WC/30%Co composites. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2008 , 222, 807-815	2.4	37
246	Optimization of Machining Parameters in Electrical Discharge Machining (EDM) of 304 Stainless Steel. <i>Procedia Engineering</i> , 2012 , 38, 1030-1036		36
245	Chatter Suppression in Boring Operation Using Magnetorheological Fluid Damper. <i>Materials and Manufacturing Processes</i> , 2008 , 23, 329-335	4.1	36
244	Evaluation of Mechanical and Interfacial Properties of Sisal/Jute/Glass Hybrid Fiber Reinforced Polymer Composites. <i>Transactions of the Indian Institute of Metals</i> , 2016 , 69, 1851-1859	1.2	34
243	Analysis of surface roughness parameters in turning of FRP tubes by PCD tool. <i>Journal of Materials Processing Technology</i> , 2008 , 204, 469-474	5.3	33
242	Influence of Tool Materials on Thrust Force and Delamination in Drilling Sisal-glass Fiber Reinforced Polymer (S-GFRP) Composites 2014 , 5, 1915-1921		32
241	Thrust Force Analysis in Drilling Glass Fiber Reinforced/Polypropylene (GFR/PP) Composites. <i>Materials and Manufacturing Processes</i> , 2016 , 31, 581-586	4.1	31

240	Investigation of drilling parameters on hybrid polymer composites using grey relational analysis, regression, fuzzy logic, and ANN models. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	31
239	MODELING AND OPTIMIZATION OF PROCESS PARAMETERS FOR DELAMINATION IN DRILLING GLASS FIBER REINFORCED PLASTIC (GFRP) COMPOSITES. <i>Machining Science and Technology</i> , 2011 , 15, 172-191	2	31
238	Modeling and analysis of performances in drilling hybrid metal matrix composites using D-optimal design. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 1249-1261	3.2	30
237	Influence of Machining Parameters on Delamination in Drilling of GFRP-armour Steel Sandwich Composites. <i>Procedia Engineering</i> , 2013 , 51, 758-763		30
236	Mechanical and machinability behaviors of woven coir fiber-reinforced polyester composite. <i>Fibers and Polymers</i> , 2013 , 14, 1505-1514	2	30
235	Experimental Investigation and Surface roughness Analysis on Hard turning of AISI D2 Steel using Coated Carbide Insert. <i>Procedia Engineering</i> , 2014 , 97, 72-77		30
234	Prediction of the flow stress of 6061 Al/15% SiC MMC composites using adaptive network based fuzzy inference system. <i>Materials & Design</i> , 2009 , 30, 1362-1370		30
233	Optimization of delamination factor in drilling medium-density fiberboards (MDF) using desirability-based approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 45, 370-381	3.2	30
232	Mechanical Properties Evaluation of the Carbon Fibre Reinforced Aluminium Sandwich Composites. <i>Materials Research</i> , 2015 , 18, 1029-1037	1.5	29
231	Dry Sliding Wear Behaviour of AA6061-T6 Reinforced SiC and Al ₂ O ₃ Particulate Hybrid Composites. <i>Procedia Engineering</i> , 2014 , 97, 694-702		29
230	Influence of Drill Point Angle in High Speed Drilling of Glass Fiber Reinforced Plastics. <i>Journal of Composite Materials</i> , 2008 , 42, 2585-2597	2.7	29
229	Measurement and analysis of thrust force and delamination in drilling glass fiber reinforced polypropylene composites using different drills. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 149, 106973	4.6	29
228	Optimizing the friction welding parameters to attain maximum tensile strength in AISI 1035 grade carbon steel rods. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 53, 10-21	4.6	28
227	Optimization of machining parameters for multi-performance characteristics in drilling hybrid metal matrix composites. <i>Journal of Composite Materials</i> , 2012 , 46, 869-878	2.7	27
226	Optimization of squeeze cast process parameters on mechanical properties of Al ₂ O ₃ /SiC reinforced hybrid metal matrix composites using taguchi technique. <i>Materials Research Express</i> , 2018 , 5, 066516	1.7	27
225	Surface Roughness Parameters Evaluation in Machining GFRP Composites by PCD Tool using Digital Image Processing. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 1567-1585	2.9	25
224	Modeling and analysis of surface roughness on machining of Nimonic C-263 alloy by PVD coated carbide insert. <i>Transactions of Nonferrous Metals Society of China</i> , 2011 , 21, 1986-1994	3.3	23
223	Tool materials influence on surface roughness and oversize in machining glass fiber reinforced polypropylene (GFR-PP) composites. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 988-997	4.1	20

222	Mathematical Model to Predict the Surface Roughness on the Machining of Glass Fiber Reinforced Polymer Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 407-419	2.9	20
221	Synthesis and characterization of dual particle (MWCT+B4C) reinforced sintered hybrid aluminum matrix composites. <i>Particulate Science and Technology</i> , 2016 , 34, 255-262	2	19
220	Surface Roughness Analysis in Turning of Titanium Alloy by Nanocoated Carbide Insert 2014 , 5, 2159-2168		19
219	Metal to Metal Worn Surface of AA6061 Hybrid Composites Casted by Stir Casting Method. <i>Procedia Engineering</i> , 2014 , 97, 703-712		19
218	Statistical Analysis of Delamination in Drilling Glass Fiber-Reinforced Plastics (GFRP). <i>Journal of Reinforced Plastics and Composites</i> , 2008 , 27, 1615-1623	2.9	19
217	Influence of carbon nano tubes on mechanical, metallurgical and tribological behavior of magnesium nanocomposites. <i>Journal of Magnesium and Alloys</i> , 2017 , 5, 326-335	8.8	18
216	Mechanical Characteristics and Terminological Behavior Study on Natural Fiber Nano reinforced Polymer Composite I A Review. <i>Materials Today: Proceedings</i> , 2019 , 16, 1287-1296	1.4	18
215	Turning CFRP Composites with Ceramic tool for Surface Roughness Analysis. <i>Procedia Engineering</i> , 2012 , 38, 2922-2929		18
214	Modelling and Analysis of Thrust Force in Drilling of GFRP Composites Using Response Surface Methodology (RSM). <i>Procedia Engineering</i> , 2012 , 38, 3757-3768		18
213	Sustainable friction stir spot welding of 6061-T6 aluminium alloy using improved non-dominated sorting teaching learning algorithm. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 11650-11674 ⁵⁻⁵		18
212	Bio Caryota Fiber Reinforced Polymer Composites: Mechanical Properties and Vibration Behavior Analysis. <i>Journal of Bionic Engineering</i> , 2019 , 16, 480-491	2.7	17
211	Sliding wear of LM25 aluminium alloy with 7.5% SiC+2.5% TiO ₂ and 2.5% SiC+7.5% TiO ₂ hybrid composites. <i>Journal of Composite Materials</i> , 2014 , 48, 2227-2236	2.7	17
210	Study of sandwich effect on nanoclay modified polyester resin GFR face sheet laminates. <i>Composite Structures</i> , 2015 , 125, 336-342	5.3	17
209	Fabrication and tribological study of AA6061 hybrid metal matrix composites reinforced with SiC/B4C nanoparticles. <i>Industrial Lubrication and Tribology</i> , 2019 , 71, 83-93	1.3	17
208	Effect of Electrical Discharge Machining on strength and reliability of WCB0%Co composite. <i>Materials & Design</i> , 2012 , 39, 469-474		16
207	Investigation on the Turning Parameters for Surface Roughness using Taguchi Analysis. <i>Procedia Engineering</i> , 2013 , 51, 781-790		16
206	Impact Behaviour Analysis of Sisal/Jute and Glass Fiber Reinforced Hybrid Composites. <i>Advanced Materials Research</i> , 2014 , 984-985, 266-272	0.5	16
205	Analysis and optimisation of cutting parameters for surface roughness in machining Al/SiC particulate composites by PCD tool. <i>International Journal of Materials and Product Technology</i> , 2010 , 37, 117	1	15

204	Modeling and analysis of roundness error in friction drilling of aluminum silicon carbide metal matrix composite. <i>Journal of Composite Materials</i> , 2012 , 46, 169-181	2.7	15
203	Surface Roughness Model for Machining Glass Fiber Reinforced Plastics by PCD Tool using Fuzzy Logics. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 2273-2286	2.9	15
202	Modeling and Analysis of Cutting Force in Turning of GFRP Composites by CBN Tools. <i>Journal of Reinforced Plastics and Composites</i> , 2008 , 27, 711-723	2.9	15
201	Effect of a nanoparticle-filled lubricant in turning of AISI 316L stainless steel (SS). <i>Particulate Science and Technology</i> , 2017 , 35, 201-208	2	14
200	Technologies in additive manufacturing for fiber reinforced composite materials: a review. <i>Current Opinion in Chemical Engineering</i> , 2020 , 28, 51-59	5.4	14
199	Influence of Primary B4C Particles and Secondary Mica Particles on the Wear Performance of Al6061/B4C/Mica Hybrid Composites. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	14
198	Evaluation of mechanical properties of coconut flower cover fibre-reinforced polymer composites for industrial applications. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2021 , 37, 3-18	1.7	14
197	Processing and Mechanical Property Evaluation of Flax-Glass Fiber Reinforced Polymer Composites. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 144-149	0.3	13
196	Effect of nanomodified polyester resin on hybrid sandwich laminates. <i>Materials & Design</i> , 2014 , 54, 507-514		13
195	Analysis of the Machining Characteristics on Surface Roughness of a Hybrid Aluminium Metal Matrix Composite (Al6061-SiC-Al ₂ O ₃). <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2011 , 10, 1213-1224	0.4	13
194	Investigation on mechanical properties of woven alovera/sisal/kenaf fibres and their hybrid composites. <i>Bulletin of Materials Science</i> , 2017 , 40, 117-128	1.7	12
193	Analysis of friction welding parameters on the mechanical metallurgical and chemical properties of AISI 1035 steel joints. <i>Materials & Design</i> , 2015 , 65, 652-661		12
192	Modeling and optimization in tribological parameters of polyether ether ketone matrix composites using D-optimal design. <i>Journal of Thermoplastic Composite Materials</i> , 2016 , 29, 161-188	1.9	12
191	Evaluation on mechanical properties of randomly oriented Caryota fiber reinforced polymer composites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 7915-7925	5.5	12
190	Experimental investigation and analysis on the wear properties of glass fiber and CNT reinforced hybrid polymer composites. <i>Science and Engineering of Composite Materials</i> , 2018 , 25, 963-974	1.5	12
189	A review of mechanical and tribological behaviour of polymer composite materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 344, 012015	0.4	12
188	Experimental Investigation and Analysis on Delamination in Drilling of Wood Composite Medium Density Fiber Boards. <i>Materials and Manufacturing Processes</i> , 2009 , 24, 1341-1348	4.1	12
187	Study on Drilling of Woven Sisal and Aloe vera Natural Fibre Polymer Composite. <i>Materials Today: Proceedings</i> , 2019 , 16, 640-646	1.4	11

186	Effects of magnesium carbonate concentration and lignin presence on properties of natural cellulosic <i>Cissus quadrangularis</i> fiber composites. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 3611-3620	7.9	11
185	Implications on the influence of mica on the mechanical properties of cast hybrid (Al+10%B4C+Mica) metal matrix composite. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 99-109	5.5	11
184	Role of Calcium Carbonate(CaCO ₃) in improving wear resistance of Polypropylene(PP) components used in automobiles. <i>Materials Today: Proceedings</i> , 2019 , 16, 1363-1371	1.4	10
183	Synthesis and Characterization of Multi Wall Carbon Nanotube (MWCNT) Filled Hybrid Banana-Glass Fiber Reinforced Composites. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 193-198	0.3	10
182	Modeling and Analysis of Cutting Force in Turning of AISI 316L Stainless Steel (SS) under Nano Cutting Environment. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 949-955	0.3	10
181	Nanoclay Addition and Core Materials Effect on Impact and Damage Tolerance Capability of Glass Fiber Skin Sandwich Laminates. <i>Silicon</i> , 2018 , 10, 769-779	2.4	10
180	Experimental study on machining of titanium alloy (Ti64) by CVD and PVD coated carbide inserts. <i>International Journal of Manufacturing Technology and Management</i> , 2009 , 17, 373	0.4	10
179	Application of Probablistic Neural Network for the Development of Wear Mechanism Map for Glass Fiber Reinforced Plastics. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 1893-1906	2.9	10
178	Studies on Mechanical Characterization of Polypropylene/Na⁺+</sup>-MMT Nanocomposites. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2010 , 09, 671-681	0.4	10
177	Mechanical Property Evaluation of Hybrid Reinforced Epoxy Composite. <i>Materials Today: Proceedings</i> , 2019 , 16, 430-438	1.4	9
176	Numerical and experimental analysis on tensile properties of banana and glass fibers reinforced epoxy composites. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2016 , 41, 1357-1367	1	9
175	Analyzing surface quality in machined composites 2012 , 154-182		9
174	Investigation of the effect of process parameters on surface roughness in drilling of particleboard composite panels using adaptive neuro fuzzy inference system. <i>Materials and Manufacturing Processes</i> , 2020 , 35, 469-477	4.1	8
173	Influence of drilling process parameters on hybrid vinyl ester composite. <i>Materials and Manufacturing Processes</i> , 2018 , 33, 1299-1305	4.1	8
172	Influence of machining parameters on surface roughness and material removal rate in machining carbon fiber reinforced polymer material 2010 ,		8
171	Wear Mechanism of Glass Fiber Reinforced Epoxy Composites Under Dry Sliding Using Fuzzy Clustering Technique. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 1349-1358	2.9	8
170	Investigation of Glass Fiber influence on Mechanical characteristics and resistance to Water absorption of Natural fiber reinforced polyester composites. <i>Materials Today: Proceedings</i> , 2019 , 16, 843-852	1.4	7
169	Analysis on influence of machining parameters on thrust force in drilling GFRP-armor steel sandwich composites. <i>Journal of Composite Materials</i> , 2015 , 49, 1539-1551	2.7	7

168	Preparation and properties of nanopolymer advanced composites: A review 2018 , 27-73		7
167	Modeling of Thrust Force in Drilling of Plain Medium Density Fiberboard (MDF) Composite Panels Using RSM. <i>Procedia Engineering</i> , 2012 , 38, 1828-1835		7
166	Mechanical Properties of AISI 316L Austenitic Stainless Steels Welded by GTAW. <i>Advanced Materials Research</i> , 2013 , 849, 50-57	0.5	7
165	Application of Artificial Neural Network for the Prediction of Surface Roughness in Drilling GFRP Composites. <i>Materials Science Forum</i> , 2013 , 766, 21-36	0.4	7
164	Influence of Cutting Parameters in Machining of Titanium Alloy. <i>Indian Journal of Science and Technology</i> , 2015 , 8, 556	1	7
163	Experimental Investigation and Analysis on Thrust Force in Drilling of Wood Composite Medium Density Fiberboard Panels. <i>Experimental Techniques</i> , 2016 , 40, 391-400	1.4	7
162	Assay of Machining attributes in Drilling of Natural Hybrid Fiber Reinforced Polymer Composite. <i>Materials Today: Proceedings</i> , 2019 , 16, 1097-1105	1.4	7
161	Analysis on drilling of woven glass fibre reinforced aluminium sandwich laminates. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1024-1035	5.5	7
160	Natural sisal fiber-based woven glass hybrid polymer composites for mono leaf spring: Experimental and numerical analysis. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2021 , 37, 32-48	1.7	7
159	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. <i>Metals</i> , 2021 , 11, 2060	2.3	7
158	Processing and Mechanical Property Evaluation of Kenaf-Glass Fiber Reinforced Polymer Composites. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 187-192	0.3	6
157	Analysis of Mechanical, Metallurgical and Fatigue Behavior of Friction Welded AA6061-AA2024 Dissimilar Aluminum Alloys in Optimized Condition. <i>Materials Today: Proceedings</i> , 2018 , 5, 7853-7863	1.4	6
156	Machining parameters optimisation in turning of GFRP composites by desirability function analysis embedded with Taguchi method. <i>International Journal of Machining and Machinability of Materials</i> , 2015 , 17, 95	0.7	6
155	Physical Performance of Sisal-PALF-Banana/Glass Fiber Reinforced Polyester Hybrid Composites. <i>Asian Journal of Chemistry</i> , 2014 , 26, 4157-4161	0.4	6
154	Assessment of Factors Influencing Tool Wear on the Machining of Nimonic C-263 Alloy with PVD Coated Carbide Inserts. <i>Advanced Materials Research</i> , 2011 , 291-294, 794-799	0.5	6
153	Experimental investigation and analysis in turning of CFRP composites. <i>Journal of Composite Materials</i> , 2012 , 46, 809-821	2.7	6
152	Thrust force evaluation in drilling medium density fibre (MDF) panels using design of experiments. <i>International Journal of Manufacturing Technology and Management</i> , 2012 , 25, 95	0.4	6
151	Optimal Machining Parameters for Achieving Minimal Tool Wear in Turning Of GFRP Composites. <i>Journal for Manufacturing Science and Production</i> , 2004 , 6, 119-128		6

150	Enhanced Thermal Stability, Mechanical Properties and Structural Integrity of MWCNT Filled Bamboo/Kenaf Hybrid Polymer Nanocomposites.. <i>Materials</i> , 2022 , 15,	3.5	6
149	Experimental Studies on Surface Roughness in Drilling MDF Composite Panels using Taguchi and Regression Analysis Method. <i>Journal of Applied Sciences</i> , 2012 , 12, 978-984	0.3	6
148	Machinability evaluation and comparison of Incoloy 825, Inconel 603 XL, Monel K400 and Inconel 600 super alloys in wire electrical discharge machining. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 12260-12272	5.5	6
147	Effects of heat distribution during cold metal transfer arc welding on galvanized steel using volumetric heat source model. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10097-10109	5.5	6
146	Optimization and sensitivity analysis of drilling parameters for sustainable machining of carbon fiber reinforced polypropylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2019 , 32, 1485-1508	1.9	6
145	Heat transfer analysis of double tube heat exchanger with helical inserts. <i>Materials Today: Proceedings</i> , 2021 , 46, 3588-3595	1.4	6
144	Synthesis and Characterization of Multi Wall Carbon Nanotubes (MWCNT) Reinforced Sintered Magnesium Matrix Composites. <i>Journal of the Institution of Engineers (India): Series D</i> , 2016 , 97, 59-67	0.9	5
143	Mechanical Property Analysis on Sandwich Structured Hybrid Composite Made from Natural Fibre, Glass Fibre and Ceramic Fibre Wool Reinforced with Epoxy Resin. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 205, 012015	0.4	5
142	Fuzzy rule-based modeling of machining parameters for surface roughness in turning carbon particle-reinforced polyamide. <i>Journal of Thermoplastic Composite Materials</i> , 2015 , 28, 1387-1405	1.9	5
141	Comparison of the Wear Properties of Polymer Composites Having CNT With and Without Glass Fiber Reinforcement. <i>Transactions of the Indian Institute of Metals</i> , 2015 , 68, 91-97	1.2	5
140	Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites. <i>Materials and Manufacturing Processes</i> , 2020 , 35, 1304-1312	4.1	5
139	Subsurface integrity studies on the drilling of Al/B4C/mica hybrid metal matrix composites. <i>Materials and Manufacturing Processes</i> , 2020 , 35, 52-60	4.1	5
138	Effect of Silicon Carbide (SiC) on Stir Cast Aluminium Metal Matrix Hybrid Composites [A Review]. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 293-300	0.3	5
137	Optimizing the Machining Parameters for Minimum Burr Height in Drilling of Hybrid Composites. <i>Procedia Engineering</i> , 2012 , 38, 56-65		5
136	Surface roughness analysis on machining of nimonic C-263 alloy using ANN and RSM techniques. <i>International Journal of Precision Technology</i> , 2011 , 2, 340	0.5	5
135	Influence of silicon carbide particulate reinforcement on the Fracture toughness of Al 6061 alloy composites produced by stir casting method 2010 ,		5
134	Analysis on sliding wear behavior of Al + B4C+ mica hybrid metal matrix composites. <i>Materials Express</i> , 2020 , 10, 986-997	1.3	5
133	Comparative analysis of cashew and canola oil biodiesel with homogeneous catalyst by transesterification method. <i>Materials Today: Proceedings</i> , 2019 , 16, 1357-1362	1.4	4

132	Some Studies on Waste Animal Tallow Biodiesel Produced by Modified Transesterification Method Using Heterogeneous Catalyst. <i>Materials Today: Proceedings</i> , 2019 , 16, 1271-1278	1.4	4
131	Mechanical Characteristics of Woven Banana and Glass Fiber Epoxy Composites. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 110-115	0.3	4
130	Influence of mica particles as secondary reinforcement on the mechanical and wear properties of Al/B4C/mica composites. <i>Materials Express</i> , 2019 , 9, 299-309	1.3	4
129	Analysis of Chip Formation and Temperature Measurement in Machining of Titanium Alloy (Ti-6Al-4V). <i>Experimental Techniques</i> , 1	1.4	4
128	Optimization of Mechanical Properties of Green Coconut Fiber / HDPE Composites. <i>International Journal of Advanced Science and Technology</i> , 2016 , 92, 1-8	1.2	4
127	Experimental investigation on the mechanical properties of aluminium sandwiched sisal/kenaf/aloevera/jute/flax natural fibre-reinforced epoxy LY556/GY250 composites. <i>Polymers and Polymer Composites</i> , 2020 , 096739112097350	0.8	4
126	Study of Damage Mechanism on OMT Nanoclay Polymer Hybrid Sandwich Laminates. <i>Materials Today: Proceedings</i> , 2019 , 16, 262-267	1.4	3
125	Implementation of Effective Fuel Saving Methodology for Turbines using Air Drag in Vehicles. <i>Materials Today: Proceedings</i> , 2019 , 16, 421-429	1.4	3
124	Analysis of Toughness in Multi-walled Carbon Nano Tubes for Resin and Resin Glass Fiber Composites. <i>Materials Today: Proceedings</i> , 2019 , 16, 367-373	1.4	3
123	Influence of Process Parameter on Microstructural Characteristics and Tensile Properties of Friction Welded ASS304L Alloy. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 745-750	0.3	3
122	Evaluation of a Suitable Material for Soft Actuator Through Experiments and FE Simulations. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2020 , 10, 64-76	0.5	3
121	The corrosion behavior of fully deformed zone of friction welded low chromium plain carbon steel joints in optimized condition. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	3
120	Mechanical Properties Evaluation of Unidirectional Glass Fibre Reinforced Aluminium Sandwich Laminate. <i>Silicon</i> , 2018 , 10, 2329-2340	2.4	3
119	Optimizing the Plasma Arc Welding Process Parameters to Attain the Minimum Corrosion Rate in the AISI 409M grade Ferritic Stainless Steel Autogenous Joints. <i>Materials Today: Proceedings</i> , 2019 , 16, 1259-1270	1.4	3
118	Nano Indentation Hardness Testing Of PP-CNT Composites. <i>Materials Today: Proceedings</i> , 2019 , 16, 1372-1377	1.3	3
117	Synthesis and characterization of nano filled carbon fiber reinforced composites 2013 ,		3
116	Electrical discharge machining: study on machining characteristics of WC/Co composites 2013 , 135-168		3
115	Modeling of Surface Roughness in Drilling of MDF Panels. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 831-836	0.3	3

114	A mathematical model to predict thrust force in drilling hybrid metal matrix composites 2010 ,		3
113	Application of goal programming technique for Electro Discharge Machining (EDM) characteristics of cemented carbide (WC/Co). <i>International Journal of Materials and Product Technology</i> , 2009 , 35, 216	1	3
112	Machining performance optimisation of MQL-assisted turning of Inconel-825 superalloy using GA for industrial applications. <i>International Journal of Machining and Machinability of Materials</i> , 2019 , 21, 43	0.7	3
111	Effect of heat treatment on magnesium alloys used in automotive industry: A review. <i>Materials Today: Proceedings</i> , 2021 , 46, 3769-3771	1.4	3
110	Optimizations of friction stir welding process parameters of AA6063 Aluminium alloy by Taguchi technique. <i>Materials Today: Proceedings</i> , 2021 , 46, 4008-4013	1.4	3
109	Effects of gallium, phosphorus and nickel addition in lead-free solders: A review. <i>Materials Today: Proceedings</i> , 2021 , 46, 3578-3581	1.4	3
108	Experimental investigation on the mechanical properties of carbon-glass-jute fiber reinforced epoxy hybrid composites. <i>Materials Today: Proceedings</i> , 2021 , 46, 3566-3571	1.4	3
107	Corrosion resistance of corten steel [A review]. <i>Materials Today: Proceedings</i> , 2021 , 46, 3572-3577	1.4	3
106	Sustainable Drilling of Nano SiC Reinforced Al Matrix Composites Using MQL and Cryogenic Cooling for Achieving the Better Surface Integrity. <i>Silicon</i> , 1	2.4	3
105	Microstructural and Wear Behavior of Al2014-Alumina Composites with Varying Alumina Content. <i>Transactions of the Indian Institute of Metals</i> , 1	1.2	3
104	Enhancing the Fatigue Properties of Friction Welded AISI 1020 Grade Steel Joints using Post Weld Heat Treatment Process in Optimized Condition. <i>Materials Today: Proceedings</i> , 2019 , 16, 1251-1258	1.4	2
103	Strength and hardness studies of C44300 tube to AA7075-T651 tube plate threaded and unthreaded dissimilar joints fabricated by friction welding process. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 3424-3433	5.5	2
102	Experimental Investigation of Machining Parameters during Turning of AISI 316L Stainless Steel Using Nano Cutting Environment. <i>Applied Mechanics and Materials</i> , 2015 , 787, 361-365	0.3	2
101	Aluminium Metal Matrix Composite [An Insight into Solid State and Liquid State Processes. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 234-239	0.3	2
100	Tensile and Flexural Properties of Glass Fibre Reinforced Nano Polymer Composite Panels. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 372-376	0.3	2
99	Experimental Investigation and Surface Roughness analysis on Hard Turning of AISI D2 Steel using Polycrystalline Cubic Boron Nitride (PCBN). <i>Materials Today: Proceedings</i> , 2019 , 16, 1061-1066	1.4	2
98	Sensitivity Analysis of Friction Stir Welded Aluminum Based High Strength Metal Matrix Composite Joints. <i>Materials Today: Proceedings</i> , 2019 , 16, 1279-1286	1.4	2
97	Influence of Thrust Force in Drilling of Glass Fiber Reinforced Polycarbonate (GFR/PC) Thermoplastic Matrix Composites Using Box-behnken Design 2014 , 5, 2152-2158		2

96	Experimental Investigation of Thermal Properties of Hybrid Glass Fiber-Sisal Reinforced Epoxy Composites 2015 ,		2
95	The Comparative Analysis of Mechanical Properties on MMC (AA6061 + SiCp 10% wt) before and after Age Hardening. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 276-280	0.3	2
94	The Microhardness Analysis of Friction Welded AISI 52100 Grade Carbon Steel Joints. <i>Advanced Materials Research</i> , 2014 , 984-985, 613-617	0.5	2
93	Influence of Nano Particle on Flexural and Impact Properties of Sandwich Structures. <i>Advanced Materials Research</i> , 2012 , 602-604, 174-177	0.5	2
92	Characteristics of re-inforced Carbon-Carbon 2010 ,		2
91	Prediction of surface roughness parameters in drilling of MDF composite panel using Box-Behnken experimental design (BBD) 2010 ,		2
90	Thrust Force Studies in Drilling of Medium Density Fiberboard Panels. <i>Advanced Materials Research</i> , 2012 , 622-623, 1285-1289	0.5	2
89	Delamination in Drilling of GFR/High Impact Polystyrene Omposites. <i>Advanced Materials Research</i> , 2012 , 622-623, 1271-1274	0.5	2
88	Development of an empirical model for surface roughness in the machining of Al/SiC particulate composites by PCD tool. <i>International Journal of Materials and Product Technology</i> , 2008 , 32, 318	1	2
87	Experimental analysis and optimization on machining of coated carbon fiber and nanoclay reinforced aluminum hybrid composites. <i>Carbon Letters</i> ,1	2.3	2
86	Experimental Analysis on Surface Roughness in Turning Hybrid Metal Matrix (6061Al+SiC+Gr) Composites. <i>Mechanics and Mechanical Engineering</i> , 2018 , 22, 341-356	0.9	2
85	Role of Heat Treatment on Hardness of Al 6061- AlB2 Metal Matrix Composites. <i>International Journal of Surface Engineering and Interdisciplinary Materials Science</i> , 2021 , 9, 26-39	0.3	2
84	Investigations on the mechanical properties of tungsten carbide reinforced aluminium metal matrix composites by stir casting. <i>Materials Today: Proceedings</i> , 2021 , 46, 3618-3620	1.4	2
83	Mechanical Properties of Flax-Cotton Fiber Reinforced Polymer Composites. <i>Materials Horizons</i> , 2021 , 393-411	0.6	2
82	Enhancement of mechanical characterization of aluminum alloy with tungsten carbide metal matrix composite by particulate reinforcements. <i>Materials Today: Proceedings</i> , 2021 , 46, 3690-3692	1.4	2
81	Optimization of wear properties on AA7075/Sic/Mos2 hybrid metal matrix composite by response surface methodology. <i>Materials Today: Proceedings</i> , 2021 , 46, 4019-4024	1.4	2
80	Experimental investigation of sliding wear behaviour of boron carbide and mica reinforced aluminium alloy hybrid metal matrix composites using Box-Behnken design. <i>Materials Today: Proceedings</i> , 2021 , 44, 3803-3810	1.4	2
79	Comparison & Multiresponse optimisation of drilling characteristics of bovine bones with varying density. <i>Materials Today: Proceedings</i> , 2019 , 16, 918-926	1.4	1

78	Experimental Analysis on the Effect of Surface Treatment of Glass Fibers & Nanoclay on Mechanical Properties of Glass Fiber Reinforced Polymer Nanocomposites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 495, 012091	0.4	1
77	Sensitivity Analysis of Friction Welding Process Parameters on Tensile Properties of ASS304L Alloy. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 757-764	0.3	1
76	Predicting the Best Flexural Strength of Banana-Bamboo-Glass Fiber Reinforced Natural Fiber Composites Using Taguchi Method. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 162-166	0.3	1
75	Tensile Property Evaluation of Woven Glass Fiber Reinforced Plastic and Aluminium Stack. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 44-49	0.3	1
74	Fuzzy Modeling of Surface Roughness Parameters in Machining Ti-6Al-4V Alloy. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 681-686	0.3	1
73	Tensile Properties of Natural Fiber Reinforced Polymers: An Overview. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 133-139	0.3	1
72	Development and Characterization of Nano Clay Reinforced Three-Phase Sandwich Composite Laminates. <i>Engineering Materials</i> , 2016 , 357-391	0.4	1
71	Empirical Modeling of Roughness Parameters in Drilling Composites- A Response Surface Approach. <i>Materials Today: Proceedings</i> , 2019 , 16, 1117-1123	1.4	1
70	Effect of Hardness on the Wear Behavior of Hybrid Metal Matrix Composites. <i>Advanced Materials Research</i> , 2014 , 984-985, 536-540	0.5	1
69	Material Characteristics of Fabricated Resin Carbon Nanotube Reinforced and Resin Glass Fiber Carbon Nanotube Reinforced Composites. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 362-367	0.3	1
68	Preparation and Characterization of Hybrid Aluminum Matrix Composites Reinforced with MWCNT Using Powder Metallurgy Process. <i>Applied Mechanics and Materials</i> , 2015 , 813-814, 620-624	0.3	1
67	Developing the Empirical Relationship to Predict the Minimum Microhardness of AISI 1020 Grade Low Carbon Steel Joints. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 765-769	0.3	1
66	Tensile Property Evaluation of Carbon Fiber Reinforced Aluminium Sandwich Composites. <i>Advanced Materials Research</i> , 2014 , 984-985, 345-349	0.5	1
65	Experimental Investigation and Analysis on Hard Turning of AISI D2 Steel Using Coated Carbide Insert. <i>Advanced Materials Research</i> , 2014 , 984-985, 154-158	0.5	1
64	Developing Empirical Relationships to Predict Tensile Properties of Friction Welded AISI 52100 Grade Steel Rods . <i>Applied Mechanics and Materials</i> , 2014 , 592-594, 144-147	0.3	1
63	Influence of Process Parameters on Delamination of Drilling of (GF/PC) Glass Fiber Reinforced Polycarbonate Matrix Composites. <i>Advanced Materials Research</i> , 2014 , 984-985, 355-359	0.5	1
62	Simulation Analysis of Combustion Parameters and Emission Characteristics of CNG Fueled HCCI Engine. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 541249	1.2	1
61	Experimental studies on machining characteristics of hybrid aluminium metal matrix composite and carbon nano tubes added hybrid aluminium metal matrix composite 2011 ,		1

60	Experimental investigation on roundness error in friction drilling and mechanical properties of Al/SiCp-MMC composites. <i>Mecanique Et Industries</i> , 2011 , 12, 445-457		1
59	Modeling of Machining Parameters to Predict Surface Roughness in Machining Al/SiC Particulate Composites by Carbide Insert. <i>Multidiscipline Modeling in Materials and Structures</i> , 2008 , 4, 345-358	2.2	1
58	The Combined Effect of Banana Fiber and Fly Ash Reinforcements on the Mechanical Behavior of Polyester Composites. <i>Journal of Natural Fibers</i> , 1-20	1.8	1
57	Experimental Investigation and Analysis on Thrust Force in Drilling of Wood Composite Medium Density Fiberboard Panels 2016 , 40, 391		1
56	Investigation and analysis of surface roughness in machining carbon fiber reinforced polymer composites using artificial intelligence techniques. <i>Carbon Letters</i> , 1	2.3	1
55	Welding Investigation on GMAW Cold Metal Transfer of AISI 201LN for Superior Weld Quality. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2020 , 10, 1-12	0.5	1
54	Application of Taguchi Method with Grey Fuzzy Logic for the Optimization of Machining Parameters in Machining Composites. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2012 , 219-247	0.5	1
53	Effects on mechanical properties by hybridization of glass fiber on Aloe vera/Roselle epoxy Composites. <i>Journal of Natural Fibers</i> , 1-11	1.8	1
52	Assessment and Analysis of Roundness Error in Drilling GFRP- Armour Steel Sandwich Composites. <i>Materials Today: Proceedings</i> , 2019 , 16, 999-1005	1.4	1
51	Effect of Carbon Nano Tubes (CNT) on Hardness of Polypropylene Matrix. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 261-270	0.4	1
50	Laser drilling parameter optimization for Ti6Al4v alloy. <i>Materials Today: Proceedings</i> , 2021 , 46, 4003-4007	1.4	1
49	Numerical analysis of natural fiber reinforced composite bumper. <i>Materials Today: Proceedings</i> , 2021 , 46, 3817-3823	1.4	1
48	Smart Manufacturing A Lead Way to Sustainable Manufacturing. <i>Materials Forming, Machining and Tribology</i> , 2021 , 1-7	0.5	1
47	Brake squeal analysis of disc brake. <i>Materials Today: Proceedings</i> , 2021 , 46, 3824-3827	1.4	1
46	Evaluation of mechanical performance of friction welded AISI304L grade stainless steel joints. <i>International Journal of Heavy Vehicle Systems</i> , 2018 , 25, 419	0.5	1
45	Bio-fibre Reinforced Composites: Mechanical, Thermal and Tribological Properties and Industrial Applications An Introduction. <i>Composites Science and Technology</i> , 2022 , 3-12		1
44	Evaluation of Thrust force in Drilling Woven roving Glass fibre reinforced Aluminium Sandwich laminates with TiAlN coated drill using Taguchi analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 197, 012055	0.4	0
43	Delamination Analysis in Drilling of Carbon Fiber Reinforced Polypropylene (CFR-PP) Composite Materials. <i>Materials Today: Proceedings</i> , 2019 , 16, 792-799	1.4	0

42	Experimental Investigation on Wear Performance of MWCNT Filled Banana-glass Fiber Reinforced Polymer Composites. <i>Journal of Natural Fibers</i> , 2020 , 1-16	1.8	o
41	Worn Surface Analysis of Hybrid Metal Matrix Composite. <i>Advanced Materials Research</i> , 2014 , 984-985, 546-550	0.5	o
40	Effect of Volume Fraction on Surface Roughness in Turning of Hybrid Metal Matrix (A6061 A1+SiC+Graphite) Composites. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 263-268	0.3	o
39	Roundness Error Evaluation in Drilling of Glass Fiber Reinforced Polypropylene (GFR/PP) Composites Using Box Behnken Design (BBD). <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 844-851	0.3	o
38	Evaluating the wear studies and tool characteristics of coated and uncoated HSS drill bit [A review]. <i>Materials Today: Proceedings</i> , 2021 , 46, 3779-3785	1.4	o
37	Experimental investigation of Mechanical and Thermal properties of Coir-Kenaf reinforced epoxy composites. <i>Materials Today: Proceedings</i> , 2021 , 44, 3834-3837	1.4	o
36	A comparative study on the hardness of GFRP with carbon nanotubes and saw dust as reinforcement. <i>Materials Today: Proceedings</i> , 2021 , 46, 3941-3944	1.4	o
35	Multi response optimisation of machining parameters in EDM of dual particle (MWCNT + B4C) reinforced sintered composites. <i>International Journal of Machining and Machinability of Materials</i> , 2018 , 20, 425	0.7	o
34	Design and development of sail type wind turbine with solar panel. <i>Materials Today: Proceedings</i> , 2021 , 46, 3989-3992	1.4	o
33	Studies on Mechanical Characterisation of Bio-Fibre Reinforced Polymer Composites. <i>Composites Science and Technology</i> , 2022 , 143-155		o
32	Hard Turning of AISI D2 Steel by Polycrystalline Cubic Boron Nitride (PCBN). <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 649-654	0.3	
31	Flexural and Impact Properties of 2D and 3D Jute/GF/Epoxy Hybrid Composite Materials. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 178-182	0.3	
30	Mechanical & Thermal Properties of Sisal Epoxy/Banana Epoxy Composites - A Review. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 173-177	0.3	
29	Delamination study on newly formulated Ni-P coated glass fibre/nanowire - reinforced polymer composite using Grey relational analysis. <i>International Journal of Additive and Subtractive Materials Manufacturing</i> , 2017 , 1, 372	o	
28	A novel approach for Joining Armor Grade AA7075 Metal Matrix Nano Composites using Various Welding Processes. <i>Materials Today: Proceedings</i> , 2019 , 16, 1175-1181	1.4	
27	Some Studies on Tribological Behavior of Friction Welded Hybrid Metal Matrix NanoComposites. <i>Materials Today: Proceedings</i> , 2019 , 16, 1182-1187	1.4	
26	Surface Roughness Optimization in Machining of Titanium Alloy (Ti-6Al-4V). <i>Advanced Materials Research</i> , 2014 , 984-985, 42-47	0.5	
25	Cutting Force Analysis in Drilling of Al6061/Mica Particulate Composite. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 791-795	0.3	

24	Predicting the Best Tensile Strength of Banana-Bamboo-Glass Fiber Reinforced Natural Fiber Composites Using Taguchi Method. <i>Applied Mechanics and Materials</i> , 2015 , 766-767, 116-121	0.3
23	Analysis of AISI 1035 Grade Joints Welded Frictionally with Varying Forging Pressure. <i>Applied Mechanics and Materials</i> , 2014 , 592-594, 63-66	0.3
22	Developing a Mathematical Model to Predict Tensile Properties of Friction Welded AISI 1035 Grade Steel Rods. <i>Advanced Materials Research</i> , 2014 , 984-985, 608-612	0.5
21	Experimental and Skeletal Kinetic Model Study of Compressed Natural Gas Fueled Homogeneous Charge Compression Ignition Engine. <i>American Journal of Applied Sciences</i> , 2012 , 9, 917-923	0.8
20	Influence of Machining Parameters on Diameter Error in Drilling of GFRP \square Armour Steel Sandwich Composites. <i>Advanced Materials Research</i> , 2012 , 590, 122-127	0.5
19	Influence of Cutting Parameters on Torque in Drilling of Al-15%SiC-4% Graphite Metal Matrix Composites. <i>Advanced Materials Research</i> , 2012 , 590, 128-133	0.5
18	Effect of Welding Speed on Advanced CMT-Welded AA 6061 Grade Aluminum Alloy Joints. <i>Springer Proceedings in Materials</i> , 2021 , 675-681	0.2
17	Heat Transfer Analysis on Advanced CMT Welded Low Carbon Steel Joints. <i>Springer Proceedings in Materials</i> , 2021 , 683-689	0.2
16	Evaluation of Surface Roughness in Turning with Precision Feed for Carbon Fibre-Reinforced Plastic Composites Using Response-Surface Methodology and Fuzzy Logic Modelling 2017 , 189-210	
15	Surface Roughness Evaluation in Drilling Hybrid Metal Matrix Composites. <i>Lecture Notes in Mechanical Engineering</i> , 2012 , 325-332	0.4
14	Influence of Abrasive Water Jet Machining Parameters on Hybrid Polymer Composite. <i>Journal of the Institution of Engineers (India): Series C</i> , 2021 , 102, 713	0.9
13	Effect of Friction Drilling on Metallurgical and Mechanical Properties of Composite Materials: A Review. <i>Current Materials Science</i> , 2021 , 14, 53-69	1.1
12	Taguchi Analysis of MRR and PC for Sustainable Machining of Ti6Al4V Alloy Using WEDM Process. <i>Advances in Science and Technology</i> , 2019 , 106, 3-9	0.1
11	An Insight into the Scope of Implementation of Intelligent Welding in Welding of Titanium. <i>Journal of Physics: Conference Series</i> , 2021 , 1969, 012018	0.3
10	Developing an Empirical Relationship to Predict Maximum Strength on Friction Stir Welded (Mg+ CNT) Nanocomposites. <i>Materials Today: Proceedings</i> , 2019 , 16, 1152-1157	1.4
9	Highlights of Non-traditional friction drilling process A review. <i>Materials Today: Proceedings</i> , 2021 , 46, 3582-3587	1.4
8	Investigation on mechanical properties of Ti-6al-4 V & SS-304L frictional welding process. <i>Materials Today: Proceedings</i> , 2021 , 46, 3561-3565	1.4
7	ANFIS and RSM Modelling Analysis on Surface Roughness of PB Composites in Drilling with HSS Drills. <i>Materials Forming, Machining and Tribology</i> , 2021 , 129-144	0.5

6 Investigation on Wear Performance of Sisal Fiber Reinforced Epoxy Composites: Experimental and Statistical Study. *Composites Science and Technology*, **2022**, 319-338

5 A Review on the Sustainability Prospects of Bio Fibre Reinforced Composite Materials. *Composites Science and Technology*, **2022**, 361-374

4 Analysis of Mechanical Properties of Jute Fiber Reinforced with Epoxy/Styrene-Ethylene-Butylene-Styrene/Al Composites. *Composites Science and Technology*, **2022**, 189-203

3 Dynamic Mechanical Analysis (DMA) of Natural Fibre Reinforced Polymer Matrix Composites (NFRPMC)-Review. *Composites Science and Technology*, **2022**, 301-318

2 Mechanical and Resonance Properties of Sustainable Polymer Composite Reinforced with Unidirectional Bio Palm Fiber. *Composites Science and Technology*, **2022**, 205-219

1 Increasing heat transfer in 4-stroke SI engine fins by nanocoating. *International Journal of Ambient Energy*, 1-9

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