K. Palanikumar

List of Publications by Year in Descending Order

293 papers	6,126 citations	41 h-index	70 g-index
310 ext. papers	7,100 ext. citations	2 avg, IF	6.63 L-index

#	Paper	IF	Citations
293	Enhanced Thermal Stability, Mechanical Properties and Structural Integrity of MWCNT Filled Bamboo/Kenaf Hybrid Polymer Nanocomposites.. *Materials*, **2022**, 15,	3.5	6
292	Bio-fibre Reinforced Composites: Mechanical, Thermal and Tribological Properties and Industrial Applications An Introduction. *Composites Science and Technology*, **2022**, 3-12		1
291	Investigation on Wear Performance of Sisal Fiber Reinforced Epoxy Composites: Experimental and Statistical Study. *Composites Science and Technology*, **2022**, 319-338		
290	A Review on the Sustainability Prospects of Bio Fibre Reinforced Composite Materials. *Composites Science and Technology*, **2022**, 361-374		
289	Analysis of Mechanical Properties of Jute Fiber Reinforced with Epoxy/Styrene-Ethylene-Butylene-Styrene/Al Composites. *Composites Science and Technology*, **2022**, 189-203		
288	Studies on Mechanical Characterisation of Bio-Fibre Reinforced Polymer Composites. *Composites Science and Technology*, **2022**, 143-155		0
287	Dynamic Mechanical Analysis (DMA) of Natural Fibre Reinforced Polymer Matrix Composites (NFRPMC)-Review. *Composites Science and Technology*, **2022**, 301-318		
286	Mechanical and Resonance Properties of Sustainable Polymer Composite Reinforced with Unidirectional Bio Palm Fiber. *Composites Science and Technology*, **2022**, 205-219		
285	Effect of Welding Speed on Advanced CMT-Welded AA 6061 Grade Aluminum Alloy Joints. *Springer Proceedings in Materials*, **2021**, 675-681	0.2	
284	Heat Transfer Analysis on Advanced CMT Welded Low Carbon Steel Joints. *Springer Proceedings in Materials*, **2021**, 683-689	0.2	
283	Influence of Abrasive Water Jet Machining Parameters on Hybrid Polymer Composite. *Journal of the Institution of Engineers (India): Series C*, **2021**, 102, 713	0.9	
282	Effect of Friction Drilling on Metallurgical and Mechanical Properties of Composite Materials: A Review. *Current Materials Science*, **2021**, 14, 53-69	1.1	
281	An Insight into the Scope of Implementation of Intelligent Welding in Welding of Titanium. *Journal of Physics: Conference Series*, **2021**, 1969, 012018	0.3	
280	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	1.7	7
279	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	1.7	14
278	Role of Heat Treatment on Hardness of Al 6061- AlB2 Metal Matrix Composites. *International Journal of Surface Engineering and Interdisciplinary Materials Science*, **2021**, 9, 26-39	0.3	2
277	Investigations on the mechanical properties of tungsten carbide reinforced aluminium metal matrix composites by stir casting. *Materials Today: Proceedings*, **2021**, 46, 3618-3620	1.4	2

276	Evaluating the wear studies and tool characteristics of coated and uncoated HSS drill bit A review. *Materials Today: Proceedings*, **2021**, 46, 3779-3785	1.4	0
275	Laser drilling parameter optimization for Ti6Al4v alloy. *Materials Today: Proceedings*, **2021**, 46, 4003-4007	1.4	1
274	Mechanical Properties of Flax-Cotton Fiber Reinforced Polymer Composites. *Materials Horizons*, **2021**, 393-411	0.6	2
273	Effect of heat treatment on magnesium alloys used in automotive industry: A review. *Materials Today: Proceedings*, **2021**, 46, 3769-3771	1.4	3
272	Optimizations of friction stir welding process parameters of AA6063 Aluminium alloy by Taguchi technique. *Materials Today: Proceedings*, **2021**, 46, 4008-4013	1.4	3
271	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	5.5	11
270	Effects of gallium, phosphorus and nickel addition in lead-free solders: A review. *Materials Today: Proceedings*, **2021**, 46, 3578-3581	1.4	3
269	Heat transfer analysis of double tube heat exchanger with helical inserts. *Materials Today: Proceedings*, **2021**, 46, 3588-3595	1.4	6
268	Numerical analysis of natural fiber reinforced composite bumper. *Materials Today: Proceedings*, **2021**, 46, 3817-3823	1.4	1
267	Experimental investigation on the mechanical properties of carbon-glass-jute fiber reinforced epoxy hybrid composites. *Materials Today: Proceedings*, **2021**, 46, 3566-3571	1.4	3
266	Highlights of Non-traditional friction drilling process A review. *Materials Today: Proceedings*, **2021**, 46, 3582-3587	1.4	
265	Experimental investigation of Mechanical and Thermal properties of Coir-Kenaf reinforced epoxy composites. *Materials Today: Proceedings*, **2021**, 44, 3834-3837	1.4	0
264	A comparative study on the hardness of GFRP with carbon nanotubes and saw dust as reinforcement. *Materials Today: Proceedings*, **2021**, 46, 3941-3944	1.4	0
263	Smart Manufacturing A Lead Way to Sustainable Manufacturing. *Materials Forming, Machining and Tribology*, **2021**, 1-7	0.5	1
262	Brake squeal analysis of disc brake. *Materials Today: Proceedings*, **2021**, 46, 3824-3827	1.4	1
261	Enhancement of mechanical characterization of aluminum alloy with tungsten carbide metal matrix composite by particulate reinforcements. *Materials Today: Proceedings*, **2021**, 46, 3690-3692	1.4	2
260	Investigation on mechanical properties of Ti-6al-4 V & SS-304L frictional welding process. *Materials Today: Proceedings*, **2021**, 46, 3561-3565	1.4	
259	Optimization of wear properties on AA7075/Sic/Mos2 hybrid metal matrix composite by response surface methodology. *Materials Today: Proceedings*, **2021**, 46, 4019-4024	1.4	2

258	Corrosion resistance of corten steel A review. *Materials Today: Proceedings*, **2021**, 46, 3572-3577	1.4	3
257	ANFIS and RSM Modelling Analysis on Surface Roughness of PB Composites in Drilling with HSS Drills. *Materials Forming, Machining and Tribology*, **2021**, 129-144	0.5	
256	Experimental investigation of sliding wear behaviour of boron carbide and mica reinforced aluminium alloy hybrid metal matrix composites using Box-Behnken design. *Materials Today: Proceedings*, **2021**, 44, 3803-3810	1.4	2
255	Design and development of sail type wind turbine with solar panel. *Materials Today: Proceedings*, **2021**, 46, 3989-3992	1.4	0
254	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	2.3	7
253	Experimental Investigation on Wear Performance of MWCNT Filled Banana-glass Fiber Reinforced Polymer Composites. *Journal of Natural Fibers*, **2020**, 1-16	1.8	0
252	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	7.9	11
251	Study on a Novel natural cellulosic fiber from Kigelia africana fruit: Characterization and analysis. *Carbohydrate Polymers*, **2020**, 244, 116494	10.3	48
250	Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites. *Materials and Manufacturing Processes*, **2020**, 35, 1304-1312	4.1	5
249	Evaluation on mechanical properties of randomly oriented Caryota fiber reinforced polymer composites. *Journal of Materials Research and Technology*, **2020**, 9, 7915-7925	5.5	12
248	Technologies in additive manufacturing for fiber reinforced composite materials: a review. *Current Opinion in Chemical Engineering*, **2020**, 28, 51-59	5.4	14
247	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	4.1	8
246	Evaluation of a Suitable Material for Soft Actuator Through Experiments and FE Simulations. *International Journal of Manufacturing, Materials, and Mechanical Engineering*, **2020**, 10, 64-76	0.5	3
245	Subsurface integrity studies on the drilling of Al/B4C/mica hybrid metal matrix composites. *Materials and Manufacturing Processes*, **2020**, 35, 52-60	4.1	5
244	Welding Investigation on GMAW Cold Metal Transfer of AISI 201LN for Superior Weld Quality. *International Journal of Manufacturing, Materials, and Mechanical Engineering*, **2020**, 10, 1-12	0.5	1
243	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	5.5	6
242	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	5.5	18
241	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*, **2020**, 096739112097350	0.8	4

240	Analysis on sliding wear behavior of Al + B4C+ mica hybrid metal matrix composites. *Materials Express*, **2020**, 10, 986-997	1.3	5
239	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	5.5	6
238	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	4.6	29
237	Study of Damage Mechanism on OMT Nanoclay Polymer Hybrid Sandwich Laminates. *Materials Today: Proceedings*, **2019**, 16, 262-267	1.4	3
236	Mechanical Characteristics and Terminological Behavior Study on Natural Fiber Nano reinforced Polymer Composite □A Review. *Materials Today: Proceedings*, **2019**, 16, 1287-1296	1.4	18
235	Role of Calcium Carbonate(CaCO3) in improving wear resistance of Polypropylene(PP) components used in automobiles. *Materials Today: Proceedings*, **2019**, 16, 1363-1371	1.4	10
234	Comparative analysis of cashew and canola oil biodiesel with homogeneous catalyst by transesterification method. *Materials Today: Proceedings*, **2019**, 16, 1357-1362	1.4	4
233	Mechanical Property Evaluation of Hybrid Reinforced Epoxy Composite. *Materials Today: Proceedings*, **2019**, 16, 430-438	1.4	9
232	Study on Drilling of Woven Sisal and Aloevera Natural Fibre Polymer Composite. *Materials Today: Proceedings*, **2019**, 16, 640-646	1.4	11
231	Delamination Analysis in Drilling of Carbon Fiber Reinforced Polypropylene (CFR-PP) Composite Materials. *Materials Today: Proceedings*, **2019**, 16, 792-799	1.4	0
230	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	1.4	7
229	Some Studies on Waste Animal Tallow Biodiesel Produced by Modified Transesterification Method Using Heterogeneous Catalyst. *Materials Today: Proceedings*, **2019**, 16, 1271-1278	1.4	4
228	Implementation of Effective Fuel Saving Methodology for Turbines using Air Drag in Vehicles. *Materials Today: Proceedings*, **2019**, 16, 421-429	1.4	3
227	Comparison & Multiresponse optimisation of drilling characteristics of bovine bones with varying density. *Materials Today: Proceedings*, **2019**, 16, 918-926	1.4	1
226	Enhancing the Fatigue Properties of Friction Welded AISI 1020 Grade Steel Joints using Post Weld Heat Treatment Process in Optimized Condition. *Materials Today: Proceedings*, **2019**, 16, 1251-1258	1.4	2
225	Analysis of Toughness in Multi-walled Carbon Nano Tubes for Resin and Resin Glass Fiber Composites. *Materials Today: Proceedings*, **2019**, 16, 367-373	1.4	3
224	Bio Caryota Fiber Reinforced Polymer Composites: Mechanical Properties and Vibration Behavior Analysis. *Journal of Bionic Engineering*, **2019**, 16, 480-491	2.7	17
223	Experimental Analysis on the Effect of Surface Treatment of Glass Fibers & Nanoclay on Mechanical Properties of Glass Fiber Reinforced Polymer Nanocomposites. *IOP Conference Series: Materials Science and Engineering*, **2019**, 495, 012091	0.4	1

222	Strength and hardness studies of C44300 tube to AA7075-T651 tube plate threaded and unthreaded dissimilar joints fabricated by friction welding process. *Journal of Materials Research and Technology*, **2019**, 8, 3424-3433	5.5	2
221	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	2.9	14
220	Influence of mica particles as secondary reinforcement on the mechanical and wear properties of Al/B4C/mica composites. *Materials Express*, **2019**, 9, 299-309	1.3	4
219	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	1.4	3
218	Experimental Investigation and Surface Roughness analysis on Hard Turning of AISI D2 Steel using Polycrystalline Cubic Boron Nitride (PCBN). *Materials Today: Proceedings*, **2019**, 16, 1061-1066	1.4	2
217	Empirical Modeling of Roughness Parameters in Drilling Composites- A Response Surface Approach. *Materials Today: Proceedings*, **2019**, 16, 1117-1123	1.4	1
216	A novel approach for Joining Armor Grade AA7075 Metal Matrix Nano Composites using Various Welding Processes. *Materials Today: Proceedings*, **2019**, 16, 1175-1181	1.4	
215	Sensitivity Analysis of Friction Stir Welded Aluminum Based High Strength Metal Matrix Composite Joints. *Materials Today: Proceedings*, **2019**, 16, 1279-1286	1.4	2
214	Nano Indendation Hardness Testing Of PP-CNT Composites. *Materials Today: Proceedings*, **2019**, 16, 1372-1377	1.4	3
213	Some Studies on Tribological Behavior of Friction Welded Hybrid Metal Matrix NanoComposites. *Materials Today: Proceedings*, **2019**, 16, 1182-1187	1.4	
212	Machining performance optimisation of MQL-assisted turning of Inconel-825 superalloy using GA for industrial applications. *International Journal of Machining and Machinability of Materials*, **2019**, 21, 43	0.7	3
211	Assessment and Analysis of Roundness Error in Drilling GFRP- Armour Steel Sandwich Composites. *Materials Today: Proceedings*, **2019**, 16, 999-1005	1.4	1
210	Assay of Machining attributes in Drilling of Natural Hybrid Fiber Reinforced Polymer Composite. *Materials Today: Proceedings*, **2019**, 16, 1097-1105	1.4	7
209	Developing an Empirical Relationship to Predict Maximum Strength on Friction Stir Welded (Mg+ CNT) Nanocomposites. *Materials Today: Proceedings*, **2019**, 16, 1152-1157	1.4	
208	Analysis on drilling of woven glass fibre reinforced aluminium sandwich laminates. *Journal of Materials Research and Technology*, **2019**, 8, 1024-1035	5.5	7
207	Effect of Carbon Nano Tubes (CNT) on Hardness of Polypropylene Matrix. *Lecture Notes in Mechanical Engineering*, **2019**, 261-270	0.4	1
206	Fabrication and tribological study of AA6061 hybrid metal matrix composites reinforced with SiC/B4C nanoparticles. *Industrial Lubrication and Tribology*, **2019**, 71, 83-93	1.3	17
205	Optimization and sensitivity analysis of drilling parameters for sustainable machining of carbon fiber-reinforced polypropylene composites. *Journal of Thermoplastic Composite Materials*, **2019**, 32, 1485-1508	1.9	6

204	The corrosion behavior of fully deformed zone of friction welded low chromium plain carbon steel joints in optimized condition. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2018**, 40, 1	2	3
203	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	1.4	6
202	Influence of drilling process parameters on hybrid vinyl ester composite. *Materials and Manufacturing Processes*, **2018**, 33, 1299-1305	4.1	8
201	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	2	31
200	Nanoclay Addition and Core Materials Effect on Impact and Damage Tolerance Capability of Glass Fiber Skin Sandwich Laminates. *Silicon*, **2018**, 10, 769-779	2.4	10
199	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	1.5	12
198	Preparation and properties of nanopolymer advanced composites: A review **2018**, 27-73		7
197	Mechanical Properties Evaluation of Unidirectional Glass Fibre Reinforced Aluminium Sandwich Laminate. *Silicon*, **2018**, 10, 2329-2340	2.4	3
196	A review of mechanical and tribological behaviour of polymer composite materials. *IOP Conference Series: Materials Science and Engineering*, **2018**, 344, 012015	0.4	12
195	Experimental Analysis on Surface Roughness in Turning Hybrid Metal Matrix (6061Al+SiC+Gr) Composites. *Mechanics and Mechanical Engineering*, **2018**, 22, 341-356	0.9	2
194	Multi response optimisation of machining parameters in EDM of dual particle (MWCNT + B4C) reinforced sintered composites. *International Journal of Machining and Machinability of Materials*, **2018**, 20, 425	0.7	0
193	Evaluation of mechanical performance of friction welded AISI304L grade stainless steel joints. *International Journal of Heavy Vehicle Systems*, **2018**, 25, 419	0.5	1
192	Optimization of squeeze cast process parameters on mechanical properties of Al2O3/SiC reinforced hybrid metal matrix composites using taguchi technique. *Materials Research Express*, **2018**, 5, 066516	1.7	27
191	Optimization of delamination factor in drilling GFRP polypropylene composites. *Materials and Manufacturing Processes*, **2017**, 32, 226-233	4.1	45
190	Effect of a nanoparticle-filled lubricant in turning of AISI 316L stainless steel (SS). *Particulate Science and Technology*, **2017**, 35, 201-208	2	14
189	Investigation on mechanical properties of woven alovera/sisal/kenaf fibres and their hybrid composites. *Bulletin of Materials Science*, **2017**, 40, 117-128	1.7	12
188	Evaluation of Thrust force in Drilling Woven roving Glass fibre reinforced Aluminium Sandwich laminates with TiAlN coated drill using Taguchi analysis. *IOP Conference Series: Materials Science and Engineering*, **2017**, 197, 012055	0.4	0
187	Plant fibre based bio-composites: Sustainable and renewable green materials. *Renewable and Sustainable Energy Reviews*, **2017**, 79, 558-584	16.2	323

186	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	0.4	5
185	Influence of carbon nano tubes on mechanical, metallurgical and tribological behavior of magnesium nanocomposites. *Journal of Magnesium and Alloys*, **2017**, 5, 326-335	8.8	18
184	Delamination study on newly formulated Ni-P coated glass fibre/nanowire - reinforced polymer composite using Grey relational analysis. *International Journal of Additive and Subtractive Materials Manufacturing*, **2017**, 1, 372	0	
183	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	4.1	20
182	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		
181	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	0.9	5
180	Thrust Force Analysis in Drilling Glass Fiber Reinforced/Polypropylene (GFR/PP) Composites. *Materials and Manufacturing Processes*, **2016**, 31, 581-586	4.1	31
179	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	1.9	12
178	Development and Characterization of Nano Clay Reinforced Three-Phase Sandwich Composite Laminates. *Engineering Materials*, **2016**, 357-391	0.4	1
177	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	1	9
176	Experimental Investigation on the Mechanical Properties of Green Hybrid Sisal and Glass Fiber Reinforced Polymer Composites. *Journal of Natural Fibers*, **2016**, 13, 321-331	1.8	61
175	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	1.2	34
174	Synthesis and characterization of dual particle (MWCT+B4C) reinforced sintered hybrid aluminum matrix composites. *Particulate Science and Technology*, **2016**, 34, 255-262	2	19
173	Experimental Investigation and Analysis on Thrust Force in Drilling of Wood Composite Medium Density Fiberboard Panels **2016**, 40, 391		1
172	Optimization of Mechanical Properties of Green Coconut Fiber / HDPE Composites. *International Journal of Advanced Science and Technology*, **2016**, 92, 1-8	1.2	4
171	Influence of fiber orientation and fiber content on properties of sisal-jute-glass fiber-reinforced polyester composites. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	39
170	Experimental Investigation and Analysis on Thrust Force in Drilling of Wood Composite Medium Density Fiberboard Panels. *Experimental Techniques*, **2016**, 40, 391-400	1.4	7
169	Fuzzy rule-based modeling of machining parameters for surface roughness in turning carbon particle-reinforced polyamide. *Journal of Thermoplastic Composite Materials*, **2015**, 28, 1387-1405	1.9	5

168	Sensitivity Analysis of Friction Welding Process Parameters on Tensile Properties of ASS304L Alloy. *Applied Mechanics and Materials*, **2015**, 766-767, 757-764	0.3	1
167	Predicting the Best Flexural Strength of Banana-Bamboo-Glass Fiber Reinforced Natural Fiber Composites Using Taguchi Method. *Applied Mechanics and Materials*, **2015**, 766-767, 162-166	0.3	1
166	Processing and Mechanical Property Evaluation of Kenaf-Glass Fiber Reinforced Polymer Composites. *Applied Mechanics and Materials*, **2015**, 766-767, 187-192	0.3	6
165	Synthesis and Characterization of Multi Wall Carbon Nanotube (MWCNT) Filled Hybrid Banana-Glass Fiber Reinforced Composites. *Applied Mechanics and Materials*, **2015**, 766-767, 193-198	0.3	10
164	Hard Turning of AISI D2 Steel by Polycrystalline Cubic Boron Nitride (PCBN). *Applied Mechanics and Materials*, **2015**, 766-767, 649-654	0.3	
163	Mechanical Characteristics of Woven Banana and Glass Fiber Epoxy Composites. *Applied Mechanics and Materials*, **2015**, 766-767, 110-115	0.3	4
162	Flexural and Impact Properties of 2D and 3D Jute/GF/Epoxy Hybrid Composite Materials. *Applied Mechanics and Materials*, **2015**, 766-767, 178-182	0.3	
161	Tensile Property Evaluation of Woven Glass Fiber Reinforced Plastic and Aluminium Stack. *Applied Mechanics and Materials*, **2015**, 766-767, 44-49	0.3	1
160	Fuzzy Modeling of Surface Roughness Parameters in Machining Ti-6Al-4V Alloy. *Applied Mechanics and Materials*, **2015**, 766-767, 681-686	0.3	1
159	Mechanical & Thermal Properties of Sisal Epoxy/Banana Epoxy Composites - A Review. *Applied Mechanics and Materials*, **2015**, 766-767, 173-177	0.3	
158	Modeling and Analysis of Cutting Force in Turning of AISI 316L Stainless Steel (SS) under Nano Cutting Environment. *Applied Mechanics and Materials*, **2015**, 766-767, 949-955	0.3	10
157	Influence of Process Parameter on Microstructural Characteristics and Tensile Properties of Friction Welded ASS304L Alloy. *Applied Mechanics and Materials*, **2015**, 766-767, 745-750	0.3	3
156	Processing and Mechanical Property Evaluation of Flax-Glass Fiber Reinforced Polymer Composites. *Applied Mechanics and Materials*, **2015**, 766-767, 144-149	0.3	13
155	Experimental Investigation of Machining Parameters during Turning of AISI 316L Stainless Steel Using Nano Cutting Environment. *Applied Mechanics and Materials*, **2015**, 787, 361-365	0.3	2
154	Evaluation on mechanical properties of woven aloevera and sisal fibre hybrid reinforced epoxy composites. *Bulletin of Materials Science*, **2015**, 38, 1183-1193	1.7	38
153	Tensile Properties of Natural Fiber Reinforced Polymers: An Overview. *Applied Mechanics and Materials*, **2015**, 766-767, 133-139	0.3	1
152	Aluminium Metal Matrix Composite An Insight into Solid State and Liquid State Processes. *Applied Mechanics and Materials*, **2015**, 766-767, 234-239	0.3	2
151	Tensile and Flexural Properties of Glass Fibre Reinforced Nano Polymer Composite Panels. *Applied Mechanics and Materials*, **2015**, 766-767, 372-376	0.3	2

150	Comparison of the Wear Properties of Polymer Composites Having CNT With and Without Glass Fiber Reinforcement. *Transactions of the Indian Institute of Metals*, **2015**, 68, 91-97	1.2	5
149	Analysis of friction welding parameters on the mechanical metallurgical and chemical properties of AISI 1035 steel joints. *Materials & Design*, **2015**, 65, 652-661		12
148	Analysis on influence of machining parameters on thrust force in drilling GFRP-armor steel sandwich composites. *Journal of Composite Materials*, **2015**, 49, 1539-1551	2.7	7
147	Experimental Investigation of Thermal Properties of Hybrid Glass Fiber-Sisal Reinforced Epoxy Composites **2015**,		2
146	Material Characteristics of Fabricated Resin Carbon Nanotube Reinforced and Resin Glass Fiber Carbon Nanotube Reinforced Composites. *Applied Mechanics and Materials*, **2015**, 766-767, 362-367	0.3	1
145	Mechanical Properties Evaluation of the Carbon Fibre Reinforced Aluminium Sandwich Composites. *Materials Research*, **2015**, 18, 1029-1037	1.5	29
144	Effect of Volume Fraction on Surface Roughness in Turning of Hybrid Metal Matrix (A6061 A1+SiC+Graphite) Composites. *Applied Mechanics and Materials*, **2015**, 766-767, 263-268	0.3	0
143	Effect of Silicon Carbide (SiC) on Stir Cast Aluminium Metal Matrix Hybrid Composites A Review. *Applied Mechanics and Materials*, **2015**, 766-767, 293-300	0.3	5
142	The Comparative Analysis of Mechanical Properties on MMC (AA6061 + SiCp 10% wt) before and after Age Hardening. *Applied Mechanics and Materials*, **2015**, 766-767, 276-280	0.3	2
141	Cutting Force Analysis in Drilling of Al6061/Mica Particulate Composite. *Applied Mechanics and Materials*, **2015**, 766-767, 791-795	0.3	
140	Predicting the Best Tensile Strength of Banana-Bamboo-Glass Fiber Reinforced Natural Fiber Composites Using Taguchi Method. *Applied Mechanics and Materials*, **2015**, 766-767, 116-121	0.3	
139	Preparation and Characterization of Hybrid Aluminum Matrix Composites Reinforced with MWCNT Using Powder Metallurgy Process. *Applied Mechanics and Materials*, **2015**, 813-814, 620-624	0.3	1
138	Modeling of Surface Roughness in Drilling of MDF Panels. *Applied Mechanics and Materials*, **2015**, 766-767, 831-836	0.3	3
137	Developing the Empirical Relationship to Predict the Minimum Microhardness of AISI 1020 Grade Low Carbon Steel Joints. *Applied Mechanics and Materials*, **2015**, 766-767, 765-769	0.3	1
136	Roundness Error Evaluation in Drilling of Glass Fiber Reinforced Polypropylene (GFR/PP) Composites Using Box Behnken Design (BBD). *Applied Mechanics and Materials*, **2015**, 766-767, 844-851	0.3	0
135	Machining parameters optimisation in turning of GFRP composites by desirability function analysis embedded with Taguchi method. *International Journal of Machining and Machinability of Materials*, **2015**, 17, 95	0.7	6
134	Study of sandwich effect on nanoclay modified polyester resin GFR face sheet laminates. *Composite Structures*, **2015**, 125, 336-342	5.3	17
133	Influence of Cutting Parameters in Machining of Titanium Alloy. *Indian Journal of Science and Technology*, **2015**, 8, 556	1	7

132	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	1.6	28
131	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	10	78
130	Sliding wear of LM25 aluminium alloy with 7.5% SiC+2.5% TiO2 and 2.5% SiC+7.5% TiO2 hybrid composites. *Journal of Composite Materials*, **2014**, 48, 2227-2236	2.7	17
129	Effect of Hardness on the Wear Behavior of Hybrid Metal Matrix Composites. *Advanced Materials Research*, **2014**, 984-985, 536-540	0.5	1
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