

V Mohanavel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159
papers

1,935
citations

24
h-index

40
g-index

187
ext. papers

2,801
ext. citations

1.8
avg, IF

6.35
L-index

#	Paper	IF	Citations
159	Synthesis, characterization and properties of stir cast AA6351-aluminium nitride (AlN) composites. <i>Journal of Materials Research</i> , 2016 , 31, 3824-3831	2.5	138
158	Influence of AlN particles on microstructure, mechanical and tribological behaviour in AA6351 aluminum alloy. <i>Materials Research Express</i> , 2019 , 6, 106557	1.7	107
157	Microstructure and mechanical properties of hard ceramic particulate reinforced AA7075 alloy composites via liquid metallurgy route. <i>Materials Today: Proceedings</i> , 2018 , 5, 26860-26865	1.4	105
156	Experimental investigation on mechanical properties of AA7075-AlN composites. <i>Materialpruefung/Materials Testing</i> , 2019 , 61, 554-558	1.9	104
155	Mechanical and microstructural characterization of AA7178-TiB ₂ composites. <i>Materialpruefung/Materials Testing</i> , 2020 , 62, 146-150	1.9	94
154	Effect of ZrB ₂ content on mechanical and microstructural characterization of AA6063 aluminum matrix composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 13601-13605	1.4	70
153	Mechanical behaviour of hybrid composite (AA6351+Al ₂ O ₃ +Gr) fabricated by stir casting method. <i>Materials Today: Proceedings</i> , 2017 , 4, 3093-3101	1.4	65
152	Investigations on microstructure and mechanical properties of Mg-5wt.% Cu-TiB ₂ composites produced via powder metallurgy route. <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i> , 2020 , 56, 99-108	1	59
151	Study on mechanical properties of graphite particulates reinforced aluminium matrix composite fabricated by stir casting technique. <i>Materials Today: Proceedings</i> , 2018 , 5, 2945-2950	1.4	57
150	Mechanical and tribological characterization of stir-cast Al-SiCpcomposites. <i>Materials Today: Proceedings</i> , 2018 , 5, 1740-1746	1.4	55
149	Tribological and mechanical properties of Zirconium Di-boride (ZrB ₂) particles reinforced aluminium matrix composites. <i>Materials Today: Proceedings</i> , 2020 , 21, 862-864	1.4	54
148	Mechanical behavior of in situ ZrB ₂ /AA2014 composite produced by the exothermic salt-metal reaction technique. <i>Materials Today: Proceedings</i> , 2017 , 4, 3215-3221	1.4	52
147	Microstructural and tribological characteristics of AA6351/Si ₃ N ₄ composites manufactured by stir casting. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 14662-14672	5.5	51
146	Effect of silicon carbide reinforcement on mechanical and physical properties of aluminum matrix composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 2938-2944	1.4	51
145	Production, Microstructure and Mechanical behavior of AA6351/TiB ₂ composite synthesized by direct melt reaction method. <i>Materials Today: Proceedings</i> , 2017 , 4, 3315-3324	1.4	48
144	Optimization of tungsten inert gas welding parameters to. <i>Materials Today: Proceedings</i> , 2018 , 5, 25112-25120	2.4	48
143	Mechanical behavior of Al-matrix nanocomposites produced by stir casting technique. <i>Materials Today: Proceedings</i> , 2018 , 5, 26873-26877	1.4	44

142	Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B4C and nano graphene hybrid composite. <i>Materials Research Express</i> , 2019 , 6, 1265c5	1.7	40
141	Machining of EN31 Steel Using Carbide Insert DA Statistical Approach. <i>Materials Today: Proceedings</i> , 2020 , 22, 2559-2564	1.4	39
140	Influence of Stacking Sequence and Fiber Content on the Mechanical Properties of Natural and Synthetic Fibers Reinforced Penta-Layered Hybrid Composites. <i>Journal of Natural Fibers</i> ,1-13	1.8	36
139	Weldability and mechanical properties of AA5083-H112 aluminum alloy and pure copper dissimilar friction spot extrusion welding-brazing. <i>Vacuum</i> , 2021 , 187, 110080	3.7	34
138	Evaluation of Mechanical and Thermal Properties of Jute and Ramie Reinforced Epoxy-based Hybrid Composites. <i>Journal of Natural Fibers</i> ,1-11	1.8	32
137	Physical and Tribological Behaviour of Dual Particles Reinforced Metal Matrix Composites. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 339-347	0.4	31
136	Fabrication and Characterization of Acrylonitrile Butadiene Rubber and Stitched E-Glass Fibre Tailored Nano-Silica Epoxy Resin Composite. <i>Silicon</i> , 2021 , 13, 2509-2517	2.4	26
135	Experimental Investigation of the Friction Stir Weldability of AA8006 with Zirconia Particle Reinforcement and Optimized Process Parameters. <i>Materials</i> , 2021 , 14,	3.5	24
134	Artificial neural network-based output power prediction of grid-connected semitransparent photovoltaic system. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	21
133	Short-Term Power Prediction of Building Integrated Photovoltaic (BIPV) System Based on Machine Learning Algorithms. <i>International Journal of Photoenergy</i> , 2021 , 2021, 1-11	2.1	20
132	Study on Mechanical Properties of AA6351 Alloy Reinforced with Titanium Di-Boride (TiB ₂) Composite by In Situ Casting Method. <i>Applied Mechanics and Materials</i> , 2015 , 787, 583-587	0.3	19
131	Synthesis and Characterization of Mechanical Properties and Wire Cut EDM Process Parameters Analysis in AZ61 Magnesium Alloy + BC + SiC. <i>Materials</i> , 2021 , 14,	3.5	19
130	Synthesis and evaluation on mechanical properties of LM4/AlN alloy based composites. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-10	1.6	17
129	Mechanical and Microstructural Characterization of Friction Stir Welded SiC and BC Reinforced Aluminium Alloy AA6061 Metal Matrix Composites. <i>Materials</i> , 2021 , 14,	3.5	15
128	Performance analysis of DEE-Biodiesel blends in diesel engine. <i>International Journal of Ambient Energy</i> , 2019 , 1-5	2	12
127	Weldability Investigation and Optimization of Process Variables for TIG-Welded Aluminium Alloy (AA 8006). <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-17	1.5	12
126	Mechanical properties of alkali-treated Madar and Gongura fibre-reinforced polymer composites. <i>International Journal of Ambient Energy</i> , 2020 , 41, 849-850	2	12
125	Optimization of Parameters to Improve the Properties of AA7178/Si ₃ N ₄ Composites Employing Taguchi Approach. <i>Silicon</i> ,1	2.4	11

124	Modified Friction Stir Clinching of AA5754-O to AA6061-T6: The role of shoulder feature on the metallurgical and mechanical properties. <i>Vacuum</i> , 2021 , 187, 110109	3.7	10
123	Microstructure, Mechanical Properties, and Corrosion Behavior of Boron Carbide Reinforced Aluminum Alloy (Al-Fe-Si-Zn-Cu) Matrix Composites Produced via Powder Metallurgy Route. <i>Materials</i> , 2021 , 14,	3.5	10
122	Comprehensive review on recycling of spent lithium-ion batteries. <i>Materials Today: Proceedings</i> , 2021 , 47, 167-180	1.4	9
121	Impact of nozzle opening pressure on the performance and emission behaviours of the CI engine using yellow oleander biodiesel. <i>International Journal of Ambient Energy</i> , 2019 , 1-7	2	8
120	Characterization and Properties of Silicon Carbide Reinforced Ni-10Co-5Cr (Superalloy) Matrix Composite Produced Via Powder Metallurgy Route. <i>Silicon</i> , 2021 , 13, 973-984	2.4	8
119	Mechanical and Abrasive Wear Performance of Titanium Di-Oxide Filled Woven Glass Fibre Reinforced Polymer Composites by Using Taguchi and EDAS Approach. <i>Materials</i> , 2021 , 14,	3.5	8
118	Fundamentals and development of self-driving cars. <i>Materials Today: Proceedings</i> , 2020 , 33, 3303-3310	1.4	7
117	Hourly and Day Ahead Power Prediction of Building Integrated Semitransparent Photovoltaic System. <i>International Journal of Photoenergy</i> , 2021 , 2021, 1-8	2.1	7
116	Tensile and flexural behaviour of glass fibre reinforced plastic Aluminium hybrid laminate manufactured by vacuum resin transfer moulding technique (VARTM). <i>Materials Today: Proceedings</i> , 2021 , 37, 2132-2140	1.4	7
115	Investigating the Role of Image Fusion in Brain Tumor Classification Models Based on Machine Learning Algorithm for Personalized Medicine.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 7137524	2.8	6
114	Combustion, Performance, and Emission Behaviors of Biodiesel Fueled Diesel Engine with the Impact of Alumina Nanoparticle as an Additive. <i>Sustainability</i> , 2021 , 13, 12103	3.6	6
113	Review on phase change materials for solar energy storage applications. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	6
112	Investigation of Weight Fraction and Alkaline Treatment on Catechu Linnaeus/Hibiscus cannabinus/Sansevieria Ehrenbergii Plant Fibers-Reinforced Epoxy Hybrid Composites. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-9	1.5	6
111	Silane Grafted Nanosilica and Aramid Fibre-Reinforced Epoxy Composite: DMA, Fatigue and Dynamic Loading Behaviour. <i>Silicon</i> , 1	2.4	6
110	Microstructure and Mechanical Properties of Friction Stir Welded SiC/TiB ₂ Reinforced Aluminum Hybrid Composites. <i>Silicon</i> , 1	2.4	6
109	Influence of Nanoparticles Reinforcements on Aluminium 6061 Alloys Fabricated via Novel Ultrasonic Aided Rheo-Squeeze Casting Method. <i>Metals and Materials International</i> , 1	2.4	6
108	A Study on Performance and Emission Characteristics of Diesel Engine Using Ricinus Communis (Castor Oil) Ethyl Esters. <i>Energies</i> , 2021 , 14, 4320	3.1	6
107	Optimization of Process Parameters in CNC Turning of Aluminum 7075 Alloy Using L27 Array-Based Taguchi Method. <i>Materials</i> , 2021 , 14,	3.5	6

106	Experimental investigations on performance of TiN and TiAlN coated tools in cryogenic milling of AISI D2 hardened steel. <i>Materials Today: Proceedings</i> , 2020 , 33, 3612-3615	1.4	5
105	Thermal and Flame Retardant Behavior of Neem and Banyan Fibers When Reinforced with a Bran Particulate Epoxy Hybrid Composite. <i>Polymers</i> , 2021 , 13,	4.5	5
104	Effects of the Interfacial Bonding Behavior on the Mechanical Properties of E-Glass Fiber/Nanographite Reinforced Hybrid Composites. <i>Advances in Polymer Technology</i> , 2021 , 2021, 1-9	1.9	5
103	Optimization of wear parameters of aluminium composites (AA7150/10 wt%WC) employing Taguchi approach. <i>Materials Today: Proceedings</i> , 2020 , 33, 4742-4745	1.4	5
102	Finite Element Analysis of Temperature Distribution and Stress Behavior of Squeeze Pressure Composites. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-9	1.5	5
101	Optimization and Prediction of Tribological Behaviour of Al-Fe-Si Alloy-Based Nanograin-Refined Composites Using Taguchi with Response Surface Methodology. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-12	3.2	5
100	Mechanical properties of a natural fiber reinforced with polylactic acid [Review]. <i>Materials Today: Proceedings</i> , 2020 , 33, 3061-3062	1.4	4
99	Experimental investigation on wheel natural frequency performance using modal analysis in free and loaded condition. <i>Materials Today: Proceedings</i> , 2020 , 33, 3234-3242	1.4	4
98	Modelling and finite element analysis of anti-roll bar using ANSYS software. <i>Materials Today: Proceedings</i> , 2021 , 37, 321-335	1.4	4
97	Modeling and fabrication of automatic blackboard dust remover. <i>Materials Today: Proceedings</i> , 2021 , 37, 527-530	1.4	4
96	Cryogenic machining of AISI p20 steel under liquid nitrogen cooling. <i>Materials Today: Proceedings</i> , 2021 , 37, 806-809	1.4	4
95	Modeling and stress analysis of aluminium alloy based composite pressure vessel through ANSYS software. <i>Materials Today: Proceedings</i> , 2021 , 37, 1911-1916	1.4	4
94	Assessment of performance and emission characteristics of diesel engine supplied with waste plastic oil propanol and ethylhexyl nitrate blends. <i>Materials Today: Proceedings</i> , 2021 , 44, 3642-3646	1.4	4
93	Novel Approach to Handling Microfiber-Rich Dye Effluent for Sustainable Water Conservation. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-10	1.3	4
92	Removing microplastics from wastewater using leading-edge treatment technologies: a solution to microplastic pollution-a review.. <i>Bioprocess and Biosystems Engineering</i> , 2022 ,	3.7	4
91	Mechanical properties of titanium matrix composites fabricated via powder metallurgy method. <i>Materials Today: Proceedings</i> , 2020 , 33, 3243-3247	1.4	3
90	Mechanical and corrosion behaviour of copper matrix composites fabricated by powder metallurgy process. <i>Materials Today: Proceedings</i> , 2020 , 33, 3394-3398	1.4	3
89	Role of Nanoparticles in Biodegradation and Their Importance in Environmental and Biomedical Applications. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-15	3.2	3

88	Mechanical Properties and Characterization of Polylactic Acid/Carbon Fiber Composite Fabricated by Fused Deposition Modeling. <i>Journal of Materials Engineering and Performance</i> ,1	1.6	3
87	Mechanical Properties of Titanium Diboride Particles Reinforced Aluminum Alloy Matrix Composites: A Comprehensive Review. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-18	1.5	3
86	Investigation of Drilling Process Parameters of Palmyra Based Composite. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-9	1.5	3
85	Tungsten carbide particulate reinforced AA7050 aluminum alloy composites fabricated by liquid state processing 2020 ,		3
84	Augmentation of performance and Emission distinctiveness of heavy duty constant pressure combustion engine supplemented through n-butanol-mustard oil-diesel composition. <i>Materials Today: Proceedings</i> , 2020 ,	1.4	3
83	Aerodynamic braking system analysis of horizontal axis wind turbine using slotted airfoil. <i>Materials Today: Proceedings</i> , 2020 , 33, 3970-3979	1.4	3
82	Performance and emissions characteristics of DI diesel engine using biodiesel blend with different injection pressures. <i>Materials Today: Proceedings</i> , 2020 , 33, 4699-4702	1.4	3
81	Emission reduction technique on existing diesel engines using renewable fuels. <i>International Journal of Ambient Energy</i> , 2019 , 1-5	2	3
80	Investigation on Heat Transfer Enhancement in Microchannel Using Al ₂ O ₃ /Water Nanofluids. <i>International Journal of Photoenergy</i> , 2021 , 2021, 1-9	2.1	3
79	Investigation of Mechanical Properties and Salt Spray Corrosion Test Parameters Optimization for AA8079 with Reinforcement of TiN + ZrO. <i>Materials</i> , 2021 , 14,	3.5	3
78	Modeling and assessment of pump impeller. <i>Materials Today: Proceedings</i> , 2020 , 33, 3226-3233	1.4	2
77	Experimental investigation of cryogenic cooling on cutting force, surface roughness and tool wear in end milling of hardened AISI D3 steel using uncoated tool. <i>Materials Today: Proceedings</i> , 2020 , 33, 3314-3318 ²	1.4	2
76	Optimization of shrinkage porosity in AlSi5Cu1Mg alloy using response surface methodology. <i>Materials Today: Proceedings</i> , 2020 , 33, 3072-3079	1.4	2
75	Design of Boosted Multilevel DC-DC Converter for Solar Photovoltaic System. <i>International Journal of Photoenergy</i> , 2022 , 2022, 1-23	2.1	2
74	Investigation of Mechanical and Durability Properties of Concrete Mixed with Water Exposed to a Magnetic Field. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-14	1.3	2
73	Optimization of FSP Process Parameters on AA5052 Employing the S/N Ratio and ANOVA Method. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-15	1.5	2
72	Physical, mechanical and wear performance of graphite (Gr) particles incorporated aluminium matrix composites [An overview 2020 ,		2
71	A detailed study on improving the properties and performance aspects of biodiesel. <i>International Journal of Ambient Energy</i> ,1-5	2	2

70	Investigational explorations on operation and emission features of C.I engine supplemented by Methyl Propanol and CycloPentyl Ether mixtures. <i>Materials Today: Proceedings</i> , 2020 , 33, 3297-3302	1.4	2
69	Investigation of SiC and AL2O3 [Reinforced with aluminium composites-A review. <i>Materials Today: Proceedings</i> , 2020 ,	1.4	2
68	A Novel Visible Light-Driven p-Type BiFeO3/n-Type SnS2 Heterojunction Photocatalyst for Efficient Charge Separation and Enhanced Photocatalytic Activity. <i>Journal of Cluster Science</i> , 2021 , 32, 1431-1439 ³		2
67	Thermal and mechanical properties of titanium matrix composites synthesized through solid state technique. <i>Materials Today: Proceedings</i> , 2021 , 37, 497-503	1.4	2
66	Mechanical and tribological behaviour of AZ91/ZrSiO4 composites. <i>Materials Today: Proceedings</i> , 2021 , 37, 1529-1534	1.4	2
65	Vibration analysis of interply hybrid composite for an aircraft wing structure. <i>Materials Today: Proceedings</i> , 2021 , 37, 2368-2374	1.4	2
64	A Review on the significant classification of Additive Manufacturing. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012026	0.3	2
63	Experimental investigations on mechanical properties of cotton/hemp fiber reinforced epoxy resin hybrid composites. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012015	0.3	2
62	A literature review on friction stir welding of dissimilar materials. <i>Materials Today: Proceedings</i> , 2021 , 47, 286-291	1.4	2
61	Structural and optical behavior of SnS2/NiFe2O4 NCs prepared via novel two-step synthesis approach for MB and RhB dye degradation under sun light irradiation. <i>Research on Chemical Intermediates</i> , 2021 , 47, 1941-1954	2.8	2
60	3D Printing Manufacturing Techniques, Materials, and Applications: An Overview. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-10	1.5	2
59	Performance study on phase change material integrated solar still coupled with solar collector. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	2
58	Bioactive Potential of Brown Algae. <i>Adsorption Science and Technology</i> , 2022 , 2022, 1-13	3.6	2
57	Performance and Emission Analysis of Watermelon Seed Oil Methyl Ester and n-Butanol Blends Fueled Diesel Engine. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-12	1.1	2
56	Mechanical Properties and Electrical Resistivity of the Friction Stir Spot-Welded Dissimilar AlCu Joints. <i>International Journal of Polymer Science</i> , 2022 , 2022, 1-7	2.4	2
55	Experimental studies on the effect of LN2 cooling on the machining of tool steel. <i>Materials Today: Proceedings</i> , 2020 , 33, 3292-3296	1.4	1
54	Performance analysis of mixed vegetable oil as an alternative for transformer insulation oil. <i>Biomass Conversion and Biorefinery</i> , ¹	2.3	1
53	Performance Evaluation of Cyclic Stability and Capacitance of Manganese Oxide Modified Graphene Oxide Nanocomposite for Potential Supercapacitor Applications. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-8	3.2	1

52	Mechanical Properties of AA7050/Coconut Shell Ash Composites Manufactured via Stir Casting Technique. <i>Springer Proceedings in Materials</i> , 2020 , 301-307	0.2	1
51	Mechanical and Tribological characteristics of AA6082/ZrB2 composites. <i>Materialpruefung/Materials Testing</i> , 2021 , 63, 962-965	1.9	1
50	Optimization of CNC machining process parameters for AA2014/WC composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 988 , 012121	0.4	1
49	CNC Machining parameters optimization of AA7050 with reinforcement of ZrO2 composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 988 , 012120	0.4	1
48	A review on performance enhancement of an CI engine using biodiesel blends with nano additives. <i>Materials Today: Proceedings</i> , 2020 ,	1.4	1
47	Role of cryogenic machining: A sustainable manufacturing process. <i>Materials Today: Proceedings</i> , 2021 , 37, 316-320	1.4	1
46	Modelling and manufacturing of light weight materials based stretcher cum wheelchair. <i>Materials Today: Proceedings</i> , 2021 , 37, 707-711	1.4	1
45	Design and analysis of two-cylinder exhaust manifold with improved performance in CFD. <i>Materials Today: Proceedings</i> , 2021 , 37, 2141-2144	1.4	1
44	Fast Fourier Transform (FFT) analysis on different inter-ply configurations of glass/basalt/aramid/carbon hybridized composites for aircraft structures. <i>Materials Today: Proceedings</i> , 2021 , 37, 2375-2381	1.4	1
43	Studies on the effect of cryogenic machining of AISI D2 steel. <i>Materials Today: Proceedings</i> , 2021 , 37, 2391-2395	1.4	1
42	Computational investigations on helical heat flow exchanger in automotive radiator tubes with computational fluid dynamics. <i>Materials Today: Proceedings</i> , 2021 , 37, 2352-2355	1.4	1
41	Effect of silanised reinforcements on thermal, wear, visco-elastic and fatigue behaviour of stitched E-glass fibre-reinforced epoxy hybrid composite. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2021 , 24, 41-50	0.9	1
40	Evaluation of mechanical properties of Arecanut and Kevlar fiber with epoxy resins. <i>Materials Today: Proceedings</i> , 2021 , 46, 4250-4253	1.4	1
39	A review on different hybrid composites for aircraft structures. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	1
38	Performance and evaluation of vegetable oil-based fluids as future cutting fluids in turning of duplex stainless steel. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012005	0.3	1
37	Mechanical and water absorption behaviour of palm seed particles based hybrid bio-composites. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012006	0.3	1
36	Mechanical Properties of AlN and Molybdenum disulfide reinforced Aluminium Alloy Matrix Composites. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012010	0.3	1
35	Effect of Silicon Carbide on Microstructural, Mechanical and Corrosion Behavior of Electrolytic Copper Matrix Composite Produced by the Powder Metallurgy Route. <i>Silicon</i> , 1	2.4	1

34	Mechanical properties of waste silk fibre reinforced PLA bio composites manufactured through hand layup method. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012016	0.3	1
33	Wear properties of waste silk fibre reinforced PLA bio composites using taguchi technique. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012012	0.3	1
32	Human Centered Decision-Making for COVID-19 Testing Center Location Selection: Tamil Nadu-A Case Study.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 2048294	2.8	1
31	The investigation of the effect of nano particles on dry sliding wear and corrosion behavior of Al-Mg/Al ₂ O ₃ composites. <i>Surface Topography: Metrology and Properties</i> , 2021 , 9, 045046	1.5	1
30	Investigation of machining attributes on machining of alloys under nano fluid MQL environment: A review. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	1
29	Biofabrication of Silver Nanoparticles and Current Research of Its Environmental Applications. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-11	3.2	1
28	Evaluation of MWCNT Particles-Reinforced Magnesium Composite for Mechanical and Catalytic Applications. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 1-13	4.2	1
27	Synthesis and Workability Behavior of Cu-X wt.% TiC (x = 0, 4, 8, and 12) Powder Metallurgy Composites. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 1-10	4.2	1
26	A Review on the Effect of Various Chemical Treatments on the Mechanical Properties of Renewable Fiber-Reinforced Composites. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-24	1.5	0
25	Investigation on Inorganic Salts K ₂ TiF ₆ and KBF ₄ to Develop Nanoparticles Based TiB ₂ Reinforcement Aluminium Composites.. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 8559402	4.2	0
24	Effect of Nanoaluminium Nitride Ceramic Particles on Microstructure, Mechanical Wear, and Machining Behavior of Al-Si-Mg Alloy Matrix Composites Produced by Bottom Pouring Type Stir Casting Route. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-14	3.2	0
23	Investigating Influences of Synthesizing Eco-Friendly Waste-Coir-Fiber Nanofiller-Based Ramie and Abaca Natural Fiber Composite Parameters on Mechanical Properties.. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 6557817	4.2	0
22	Optimization of Wear Parameters of aluminium composites (AA6082/12wt%ZrO ₂) utilizing Taguchi technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 988 , 012124	0.4	0
21	Evaluation of tribological behaviour of AA7178/Gr composites using Taguchi optimization technique. <i>Materials Today: Proceedings</i> , 2020 , 33, 4691-4695	1.4	0
20	A comparative study on coated carbide inserts performance in cryogenic end milling of AISI D2 tool steel. <i>Materials Today: Proceedings</i> , 2021 , 37, 1389-1393	1.4	0
19	CFD modelling of carburetor with several valve positions. <i>Materials Today: Proceedings</i> , 2021 , 37, 1535-1549		0
18	Optimization of forces of feed, cutting and thrust based contribution parameters in machining with cutting fluid. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012014	0.3	0
17	Investigations on compressive strength of titanium diboride and graphite reinforced Magnesium Matrix Composites. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012009	0.3	0

16	Investigation of Reinforced Concrete Column Containing Metakaolin and Fly Ash Cementitious Materials. <i>Advances in Civil Engineering</i> , 2022 , 2022, 1-13	1.3	0
15	Wire Electrical Discharge Machining Characteristics of Al-4.4 Mg-0.7 Mn-0.15 Cr-12 wt.% MoO ₃ Composites Using Taguchi Technique. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-10	1.5	0
14	Removal of heavy metals from wastewater using low-cost biochar prepared from jackfruit seed waste. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
13	Curcumin-Based Inhibitors of Thrombosis and Cancer Metastasis Promoting Factor CLEC 2 from Traditional Medicinal Species .. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 9344-9338	2.3	38
12	Mechanical and Durability Studies on Ficus exasperata Leaf Ash Concrete. <i>Advances in Civil Engineering</i> , 2022 , 2022, 1-10	1.3	
11	Application of Machine Learning Techniques in Additive Manufacturing: A Review. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2022 , 1-24	0.4	
10	Ergonomic Analysis of an Integrated Human Factor Assessment and Simulation in a Workplace Design. <i>Journal of Computational and Theoretical Nanoscience</i> , 2020 , 17, 3701-3704	0.3	
9	Microstructure and Mechanical Characterization of AA7150/ZrO ₂ Composites Manufactured by Stir Casting Route. <i>Springer Proceedings in Materials</i> , 2020 , 341-348	0.2	
8	Investigation on mechanical characterization of titanium matrix composites produced through powder metallurgy. <i>Materials Today: Proceedings</i> , 2021 , 37, 310-315	1.4	
7	A novel design method for the conversion of air to water based on the 3D structure of Metal-Organic material. <i>Materials Today: Proceedings</i> , 2021 , 37, 858-860	1.4	
6	Experimental investigation to study the performance of cryogenic cooling in end milling of AISI P20 steel. <i>Materials Today: Proceedings</i> , 2021 , 37, 2170-2173	1.4	
5	Enhancing the combustion and emission parameters of a C.I engine operated with diesel-butanol-pea nut oil ternary blends. <i>Materials Today: Proceedings</i> , 2021 , 37, 1394-1398	1.4	
4	Numerical investigation of expansion Fan optimization of truncated annular aerospike nozzle. <i>Materials Today: Proceedings</i> , 2021 , 46, 4283-4288	1.4	
3	A review on puncture analysis of polymer composites. <i>Materials Today: Proceedings</i> , 2021 , 47, 366-369	1.4	
2	Optimization on end milling operating parameters for super alloy of Inconel 617 by Taguchi L27 orthogonal array. <i>Journal of Physics: Conference Series</i> , 2021 , 2027, 012013	0.3	
1	Optimization of drilling process parameters of AA7150/MoO ₃ composites using Taguchi method. <i>Materials Today: Proceedings</i> , 2021 , 47, 251-256	1.4	