

V Mohanavel

List of Publications by Year in descending order

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184
papers

3,455
citations

147726

31
h-index

175177

52
g-index

187
all docs

187
docs citations

187
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and properties of stir cast AA6351-aluminium nitride (AlN) composites. Journal of Materials Research, 2016, 31, 3824-3831.	1.2	214
2	Influence of AlN particles on microstructure, mechanical and tribological behaviour in AA6351 aluminum alloy. Materials Research Express, 2019, 6, 106557.	0.8	162
3	Experimental investigation on mechanical properties of AA7075-AlN composites. Materialpruefung/Materials Testing, 2019, 61, 554-558.	0.8	147
4	Microstructure and mechanical properties of hard ceramic particulate reinforced AA7075 alloy composites via liquid metallurgy route. Materials Today: Proceedings, 2018, 5, 26860-26865.	0.9	127
5	Mechanical and microstructural characterization of AA7178-TiB ₂ composites. Materialpruefung/Materials Testing, 2020, 62, 146-150.	0.8	125
6	Microstructural and tribological characteristics of AA6351/Si ₃ N ₄ composites manufactured by stir casting. Journal of Materials Research and Technology, 2020, 9, 14662-14672.	2.6	117
7	Effect of ZrB ₂ content on mechanical and microstructural characterization of AA6063 aluminum matrix composites. Materials Today: Proceedings, 2018, 5, 13601-13605.	0.9	82
8	Influence of Stacking Sequence and Fiber Content on the Mechanical Properties of Natural and Synthetic Fibers Reinforced Penta-Layered Hybrid Composites. Journal of Natural Fibers, 2022, 19, 5258-5270.	1.7	80
9	Mechanical behaviour of hybrid composite (AA6351+Al ₂ O ₃ +Gr) fabricated by stir casting method. Materials Today: Proceedings, 2017, 4, 3093-3101.	0.9	76
10	Study on mechanical properties of graphite particulates reinforced aluminium matrix composite fabricated by stir casting technique. Materials Today: Proceedings, 2018, 5, 2945-2950.	0.9	71
11	Tribological and mechanical properties of Zirconium Di-boride (ZrB ₂) particles reinforced aluminium matrix composites. Materials Today: Proceedings, 2020, 21, 862-864.	0.9	66
12	Evaluation of Mechanical and Thermal Properties of Jute and Ramie Reinforced Epoxy-based Hybrid Composites. Journal of Natural Fibers, 2022, 19, 8022-8032.	1.7	66
13	Mechanical and tribological characterization of stir-cast Al-SiCp composites. Materials Today: Proceedings, 2018, 5, 1740-1746.	0.9	63
14	Investigations on microstructure and mechanical properties of Mg-5wt.% Cu-TiB ₂ composites produced via powder metallurgy route. Journal of Mining and Metallurgy, Section B: Metallurgy, 2020, 56, 99-108.	0.3	63
15	Effect of silicon carbide reinforcement on mechanical and physical properties of aluminum matrix composites. Materials Today: Proceedings, 2018, 5, 2938-2944.	0.9	60
16	Production, Microstructure and Mechanical behavior of AA6351/TiB ₂ composite synthesized by direct melt reaction method. Materials Today: Proceedings, 2017, 4, 3315-3324.	0.9	58
17	Mechanical behavior of in situ ZrB ₂ /AA2014 composite produced by the exothermic salt-metal reaction technique. Materials Today: Proceedings, 2017, 4, 3215-3221.	0.9	58
18	Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B ₄ C and nano graphene hybrid composite. Materials Research Express, 2019, 6, 1265c5.	0.8	57

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19	Optimization of tungsten inert gas welding parameters to. <i>Materials Today: Proceedings</i> , 2018, 5, 25112-25120.	0.9	55
20	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.	1.4	53
21	Review on phase change materials for solar energy storage applications. <i>Environmental Science and Pollution Research</i> , 2022, 29, 9491-9532.	2.7	52
22	Weldability and mechanical properties of AA5083-H112 aluminum alloy and pure copper dissimilar friction spot extrusion welding-brazing. <i>Vacuum</i> , 2021, 187, 110080.	1.6	51
23	Mechanical behavior of Al-matrix nanocomposites produced by stir casting technique. <i>Materials Today: Proceedings</i> , 2018, 5, 26873-26877.	0.9	49
24	Experimental Investigation of the Friction Stir Weldability of AA8006 with Zirconia Particle Reinforcement and Optimized Process Parameters. <i>Materials</i> , 2021, 14, 2782.	1.3	49
25	Mechanical and Microstructural Characterization of Friction Stir Welded SiC and B4C Reinforced Aluminium Alloy AA6061 Metal Matrix Composites. <i>Materials</i> , 2021, 14, 3110.	1.3	46
26	Artificial neural network-based output power prediction of grid-connected semitransparent photovoltaic system. <i>Environmental Science and Pollution Research</i> , 2022, 29, 10173-10182.	2.7	46
27	Machining of EN31 Steel Using Carbide Insert – A Statistical Approach. <i>Materials Today: Proceedings</i> , 2020, 22, 2559-2564.	0.9	46
28	Synthesis and Characterization of Mechanical Properties and Wire Cut EDM Process Parameters Analysis in AZ61 Magnesium Alloy + B4C + SiC. <i>Materials</i> , 2021, 14, 3689.	1.3	45
29	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.	1.8	44
30	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.	1.6	37
31	Physical and Tribological Behaviour of Dual Particles Reinforced Metal Matrix Composites. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 339-347.	0.3	34
32	Influence of Nanoparticles Reinforcements on Aluminium 6061 Alloys Fabricated via Novel Ultrasonic Aided Rheo-Squeeze Casting Method. <i>Metals and Materials International</i> , 2022, 28, 145-154.	1.8	33
33	Optimization of Process Parameters in CNC Turning of Aluminum 7075 Alloy Using L27 Array-Based Taguchi Method. <i>Materials</i> , 2021, 14, 4470.	1.3	33
34	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.	1.8	31
35	Optimization of Parameters to Improve the Properties of AA7178/Si3N4 Composites Employing Taguchi Approach. <i>Silicon</i> , 2022, 14, 1381-1394.	1.8	31
36	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, 5257.	1.3	31

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37	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, 4315.	1.3	28
38	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> , 0, 787, 583-587.	0.2	26
39	Weldability Investigation and Optimization of Process Variables for TIG-Welded Aluminium Alloy (AA) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	26
40	Comprehensive review on recycling of spent lithium-ion batteries. <i>Materials Today: Proceedings</i> , 2021, 47, 167-180.	0.9	24
41	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.	1.2	23
42	A Study on Performance and Emission Characteristics of Diesel Engine Using Ricinus Communis (Castor Oil) Ethyl Esters. <i>Energies</i> , 2021, 14, 4320.	1.6	23
43	Bioactive Potential of Brown Algae. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	23
44	A Review on the significant classification of Additive Manufacturing. <i>Journal of Physics: Conference Series</i> , 2021, 2027, 012026.	0.3	22
45	3D Printing Manufacturing Techniques, Materials, and Applications: An Overview. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-10.	1.0	22
46	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.	1.0	21
47	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, 1-13.	0.7	21
48	Fundamentals and development of self-driving cars. <i>Materials Today: Proceedings</i> , 2020, 33, 3303-3310.	0.9	20
49	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.	1.6	20
50	Silane Grafted Nanosilica and Aramid Fibre-Reinforced Epoxy Composite: DMA, Fatigue and Dynamic Loading Behaviour. <i>Silicon</i> , 2022, 14, 2707-2715.	1.8	19
51	Investigation of Drilling Process Parameters of Palmyra Based Composite. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-9.	1.0	18
52	Removing microplastics from wastewater using leading-edge treatment technologies: a solution to microplastic pollution—a review. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 309-321.	1.7	18
53	Mechanical properties of alkali-treated Madar and Gongura fibre-reinforced polymer composites. <i>International Journal of Ambient Energy</i> , 2020, 41, 849-850.	1.4	17
54	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.	0.8	17

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55	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.	1.0	17
56	Lung Cancer Prediction from Text Datasets Using Machine Learning. <i>BioMed Research International</i> , 2022, 2022, 1-10.	0.9	17
57	Investigation of Mechanical Properties and Salt Spray Corrosion Test Parameters Optimization for AA8079 with Reinforcement of TiN + ZrO ₂ . <i>Materials</i> , 2021, 14, 5260.	1.3	15
58	Role of Nanoparticles in Biodegradation and Their Importance in Environmental and Biomedical Applications. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-15.	1.5	15
59	Thermal and Flame Retardant Behavior of Neem and Banyan Fibers When Reinforced with a Bran Particulate Epoxy Hybrid Composite. <i>Polymers</i> , 2021, 13, 3859.	2.0	14
60	Performance analysis of DEE-Biodiesel blends in diesel engine. <i>International Journal of Ambient Energy</i> , 2022, 43, 1016-1020.	1.4	13
61	Microstructure and Mechanical Properties of Friction Stir Welded SiC/TiB ₂ Reinforced Aluminum Hybrid Composites. <i>Silicon</i> , 2022, 14, 3571-3581.	1.8	13
62	Mechanical Properties and Characterization of Polylactic Acid/Carbon Fiber Composite Fabricated by Fused Deposition Modeling. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 4877-4886.	1.2	13
63	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.	0.9	12
64	Hourly and Day Ahead Power Prediction of Building Integrated Semitransparent Photovoltaic System. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-8.	1.4	12
65	Optimization of wear parameters of aluminium composites (AA7150/10 wt%WC) employing Taguchi approach. <i>Materials Today: Proceedings</i> , 2020, 33, 4742-4745.	0.9	11
66	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.	0.9	11
67	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> , 2021, 42, 1499-1505.	1.4	10
68	A Novel Visible Light-Driven p-Type BiFeO ₃ /n-Type SnS ₂ Heterojunction Photocatalyst for Efficient Charge Separation and Enhanced Photocatalytic Activity. <i>Journal of Cluster Science</i> , 2021, 32, 1431-1439.	1.7	10
69	Structural and optical behavior of SnS ₂ /NiFe ₂ O ₄ 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.	1.3	10
70	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.	1.0	10
71	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.	1.5	10
72	Experimental investigation on wheel natural frequency performance using modal analysis in free and loaded condition. <i>Materials Today: Proceedings</i> , 2020, 33, 3234-3242.	0.9	9

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73	Mechanical properties of titanium matrix composites fabricated via powder metallurgy method. <i>Materials Today: Proceedings</i> , 2020, 33, 3243-3247.	0.9	9
74	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.	0.9	9
75	Cryogenic machining of AISI p20 steel under liquid nitrogen cooling. <i>Materials Today: Proceedings</i> , 2021, 37, 806-809.	0.9	8
76	Mechanical and tribological behaviour of AZ91/ZrSiO4 composites. <i>Materials Today: Proceedings</i> , 2021, 37, 1529-1534.	0.9	8
77	Investigation on Heat Transfer Enhancement in Microchannel Using Al ₂ O ₃ /Water Nanofluids. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-9.	1.4	8
78	A literature review on friction stir welding of dissimilar materials. <i>Materials Today: Proceedings</i> , 2021, 47, 286-291.	0.9	8
79	Tungsten carbide particulate reinforced AA7050 aluminum alloy composites fabricated by liquid state processing. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	8
80	Performance study on phase change material integrated solar still coupled with solar collector. <i>Materials Today: Proceedings</i> , 2022, 59, 1319-1323.	0.9	8
81	Removal of heavy metals from wastewater using low-cost biochar prepared from jackfruit seed waste. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 14447-14456.	2.9	8
82	Mechanical Properties and Electrical Resistivity of the Friction Stir Spot-Welded Dissimilar Al-Cu Joints. <i>International Journal of Polymer Science</i> , 2022, 2022, 1-7.	1.2	8
83	Aerodynamic braking system analysis of horizontal axis wind turbine using slotted airfoil. <i>Materials Today: Proceedings</i> , 2020, 33, 3970-3979.	0.9	7
84	Modeling and stress analysis of aluminium alloy based composite pressure vessel through ANSYS software. <i>Materials Today: Proceedings</i> , 2021, 37, 1911-1916.	0.9	7
85	Vibration analysis of interply hybrid composite for an aircraft wing structure. <i>Materials Today: Proceedings</i> , 2021, 37, 2368-2374.	0.9	7
86	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.	1.0	7
87	Mechanical Properties of AlN and Molybdenum disulfide reinforced Aluminium Alloy Matrix Composites. <i>Journal of Physics: Conference Series</i> , 2021, 2027, 012010.	0.3	7
88	Physical, mechanical and wear performance of graphite (Gr) particles incorporated aluminium matrix composites – An overview. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	7
89	Design of Boosted Multilevel DC-DC Converter for Solar Photovoltaic System. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-23.	1.4	7
90	Performance analysis of mixed vegetable oil as an alternative for transformer insulation oil. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	7

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91	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.	1.5	7
92	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, 1-13.	1.8	7
93	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.	0.6	7
94	Evaluation of tribological behaviour of AA7178/Gr composites using Taguchi optimization technique. <i>Materials Today: Proceedings</i> , 2020, 33, 4691-4695.	0.9	6
95	Mechanical and corrosion behaviour of copper matrix composites fabricated by powder metallurgy process. <i>Materials Today: Proceedings</i> , 2020, 33, 3394-3398.	0.9	6
96	Modelling and finite element analysis of anti-roll bar using ANSYS software. <i>Materials Today: Proceedings</i> , 2021, 37, 321-335.	0.9	6
97	Modeling and fabrication of automatic blackboard dust remover. <i>Materials Today: Proceedings</i> , 2021, 37, 527-530.	0.9	6
98	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.	0.4	6
99	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.	1.0	6
100	Influence of Compression Molding Process Parameters in Mechanical and Tribological Behavior of Hybrid Polymer Matrix Composites. <i>Polymers</i> , 2021, 13, 4195.	2.0	6
101	Biofabrication of Silver Nanoparticles and Current Research of Its Environmental Applications. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	1.5	6
102	Emission reduction technique on existing diesel engines using renewable fuels. <i>International Journal of Ambient Energy</i> , 2022, 43, 1187-1191.	1.4	5
103	Performance and emissions characteristics of DI diesel engine using biodiesel blend with different injection pressures. <i>Materials Today: Proceedings</i> , 2020, 33, 4699-4702.	0.9	5
104	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.	0.4	5
105	Novel Approach to Handling Microfiber-Rich Dye Effluent for Sustainable Water Conservation. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10.	0.4	5
106	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	5
107	Optimization of CNC machining process parameters for AA2014/WC composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 988, 012121.	0.3	5
108	Effect of welding speed on the mechanical properties of AA6061 Al alloy joined by friction stir welding. <i>Materials Today: Proceedings</i> , 2022, 59, 1544-1549.	0.9	5

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109	The investigation of the effect of nano particles on dry sliding wear and corrosion behavior of Al-Mg/Al ₂ O ₃ composites. Surface Topography: Metrology and Properties, 2021, 9, 045046.	0.9	5
110	Investigation of machining attributes on machining of alloys under nano fluid MQL environment: A review. Materials Today: Proceedings, 2021, , .	0.9	5
111	Investigational explorations on operation and emission features of C.I engine supplemented by Methyl Propanol and CycloPentyl Ether mixtures. Materials Today: Proceedings, 2020, 33, 3297-3302.	0.9	4
112	Modeling and assessment of pump impeller. Materials Today: Proceedings, 2020, 33, 3226-3233.	0.9	4
113	Mechanical properties of a natural fiber reinforced with polylactic acid “ Review. Materials Today: Proceedings, 2020, 33, 3061-3062.	0.9	4
114	Experimental investigation of cryogenic cooling on cutting force, surface roughness and tool wear in end milling of hardened AISI D3 steel using uncoated tool. Materials Today: Proceedings, 2020, 33, 3314-3318.	0.9	4
115	Mechanical properties of waste silk fibre reinforced PLA bio composites manufactured through hand layup method. Journal of Physics: Conference Series, 2021, 2027, 012016.	0.3	4
116	Wear properties of waste silk fibre reinforced PLA bio composites using taguchi technique. Journal of Physics: Conference Series, 2021, 2027, 012012.	0.3	4
117	Mechanical and Tribological characteristics of AA6082/ZrB ₂ composites. Materialpruefung/Materials Testing, 2021, 63, 962-965.	0.8	4
118	Investigating Influences of Synthesizing Eco-Friendly Waste-Coir-Fiber Nanofiller-Based Ramie and Abaca Natural Fiber Composite Parameters on Mechanical Properties. Bioinorganic Chemistry and Applications, 2022, 2022, 1-13.	1.8	4
119	An Effective Design of Wireless Android based Robotic Operation Control using 8051 Microcontroller. , 2022, , .		4
120	Investigation on wear characteristics of Al 2219/Si3N4/Coal bottom ash MMC. Materials Today: Proceedings, 2022, 62, 5514-5518.	0.9	4
121	Investigation of SiC and AL2O3 “ Reinforced with aluminium composites-A review. Materials Today: Proceedings, 2020, , .	0.9	3
122	Optimization of shrinkage porosity in AlSi5Cu1Mg alloy using response surface methodology. Materials Today: Proceedings, 2020, 33, 3072-3079.	0.9	3
123	Experimental studies on the effect of LN2 cooling on the machining of tool steel. Materials Today: Proceedings, 2020, 33, 3292-3296.	0.9	3
124	Thermal and mechanical properties of titanium matrix composites synthesized through solid state technique. Materials Today: Proceedings, 2021, 37, 497-503.	0.9	3
125	Modelling and manufacturing of light weight materials based stretcher cum wheelchair. Materials Today: Proceedings, 2021, 37, 707-711.	0.9	3
126	Fast Fourier Transform (FFT) analysis on different inter-ply configurations of glass/basalt/aramid/carbon hybridized composites for aircraft structures. Materials Today: Proceedings, 2021, 37, 2375-2381.	0.9	3

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127	Studies on the effect of cryogenic machining of AISI D2 steel. <i>Materials Today: Proceedings</i> , 2021, 37, 2391-2395.	0.9	3
128	Computational investigations on helical heat flow exchanger in automotive radiator tubes with computational fluid dynamics. <i>Materials Today: Proceedings</i> , 2021, 37, 2352-2355.	0.9	3
129	Evaluation of mechanical properties of Arecanut and Kevlar fiber with epoxy resins. <i>Materials Today: Proceedings</i> , 2021, 46, 4250-4253.	0.9	3
130	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	3
131	Human Centered Decision-Making for COVID-19 Testing Center Location Selection: Tamil Naduâ€™A Case Study. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-13.	0.7	3
132	Experimental investigation on stir casted hybrid composite AA7068 with SiC and coconut shell fly ash. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	3
133	Evaluation of MWCNT Particles-Reinforced Magnesium Composite for Mechanical and Catalytic Applications. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-13.	1.8	3
134	Synthesis and Workability Behavior of Cu-X wt.% TiC (xâ€™=â€™0, 4, 8, and 12) Powder Metallurgy Composites. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-10.	1.8	3
135	Effects of hybridization on the mechanical properties of hybrid composite laminates â€™ A review. <i>Materials Today: Proceedings</i> , 2020, , .	0.9	2
136	Investigation on mechanical characterization of titanium matrix composites produced through powder metallurgy. <i>Materials Today: Proceedings</i> , 2021, 37, 310-315.	0.9	2
137	Role of cryogenic machining: A sustainable manufacturing process. <i>Materials Today: Proceedings</i> , 2021, 37, 316-320.	0.9	2
138	Design and analysis of two-cylinder exhaust manifold with improved performance in CFD. <i>Materials Today: Proceedings</i> , 2021, 37, 2141-2144.	0.9	2
139	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	2
140	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	2
141	Effect of Silicon Carbide on Microstructural, Mechanical and Corrosion Behavior of Electrolytic Copper Matrix Composite Produced by the Powder Metallurgy Route. <i>Silicon</i> , 2022, 14, 5877-5886.	1.8	2
142	Optimization of drilling process parameters of AA7150/MoO3 composites using Taguchi method. <i>Materials Today: Proceedings</i> , 2021, 47, 251-256.	0.9	2
143	A detailed study on improving the properties and performance aspects of biodiesel. <i>International Journal of Ambient Energy</i> , 0, , 1-5.	1.4	2
144	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.	1.5	2

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145	Investigation of Reinforced Concrete Column Containing Metakaolin and Fly Ash Cementitious Materials. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-13.	0.4	2
146	A Wireless Communication Protocol Enabled School Bus Tracking System using Internet of Things Support. , 2022, , .		2
147	A Novel Crop Field Surveillance Robot Design using Classification Norms with Digital Image Processing Assistance. , 2022, , .		2
148	Manufacturing and mechanical characterization of dual particle reinforced hybrid composites. , 2017, , .		1
149	A review on experimental analysis of recycled thermoplastic material. <i>Materials Today: Proceedings</i> , 2020, , .	0.9	1
150	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.	0.9	1
151	CFD modelling of carburetor with several valve positions. <i>Materials Today: Proceedings</i> , 2021, 37, 1535-1549.	0.9	1
152	Numerical investigation of expansion Fan optimization of truncated annular aerospike nozzle. <i>Materials Today: Proceedings</i> , 2021, 46, 4283-4288.	0.9	1
153	A review on puncture analysis of polymer composites. <i>Materials Today: Proceedings</i> , 2021, 47, 366-369.	0.9	1
154	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	1
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