

Kavimani V

List of Publications by Year in descending order

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1021
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#	ARTICLE	IF	CITATIONS
1	Multi Response Optimization on Machinability of SiC Waste Fillers Reinforced Polymer Matrix Composite Using Taguchi's Coupled Grey Relational Analysis. <i>Silicon</i> , 2022, 14, 65-73.	1.8	31
2	An Investigation into the Mechanical and Wear Characteristics of Hybrid Composites: Influence of Different Types and Content of Biodegradable Reinforcements. <i>Journal of Natural Fibers</i> , 2022, 19, 2823-2835.	1.7	48
3	Mechanical, water absorption and wear characteristics of novel polymeric composites: Impact of hybrid natural fibers and oil cake filler addition. <i>Journal of Industrial Textiles</i> , 2022, 51, 5910S-5937S.	1.1	56
4	Improvement on mechanical and flame retardancy behaviour of bio-exfoliated graphene-filled epoxy/glass fibre composites using compression moulding approach. <i>Polymer Bulletin</i> , 2022, 79, 6289-6307.	1.7	17
5	Fuzzy-based prediction of compression ignition engine distinctiveness powered by novel graphene oxide nanosheet additive diesel's Aegle marmelos pyrolysis oil ternary opus. <i>International Journal of Energy and Environmental Engineering</i> , 2022, 13, 683-701.	1.3	3
6	Recovery and Recycling Silica Flux in Submerged Arc Welding – Acceptable Properties and Economical Correlation. <i>Silicon</i> , 2021, 13, 2337-2346.	1.8	1
7	Influence of Silica Rich CRT and BN on Mechanical, Wear and Corrosion Characteristics of Copper-Surface Composite Processed Through Friction Stir Processing. <i>Silicon</i> , 2021, 13, 3431-3440.	1.8	4
8	Machine Learning and Statistical Approach to Predict and Analyze Wear Rates in Copper Surface Composites. <i>Metals and Materials International</i> , 2021, 27, 220-234.	1.8	35
9	Measurement and Multi-response Optimization of Spark Erosion Machining Parameters for Titanium Alloy Using Hybrid Taguchi's Grey Relational Analysis's Principal Component Analysis Approach. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 3129-3143.	1.2	13
10	Effect of banana, pineapple and coir fly ash filled with hybrid fiber epoxy based composites for mechanical and morphological study. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1277-1288.	1.6	41
11	Application of r-GO-MMT Hybrid Nanofillers for Improving Strength and Flame Retardancy of Epoxy/Glass Fibre Composites. <i>Advances in Polymer Technology</i> , 2021, 2021, 1-9.	0.8	17
12	Multi-Response Optimization and Surface Integrity Characteristics of Wire Electric Discharge Machining 1±-Phase Ti-6242 Alloy. <i>Process Integration and Optimization for Sustainability</i> , 2021, 5, 815.	1.4	3
13	Influence of basalt and graphene fillers and their hybridization on surface quality during AWJM process. <i>Materials and Manufacturing Processes</i> , 2021, 36, 1887-1897.	2.7	2
14	Effect of Graphene Oxide-Boron Nitride-Based Dual Fillers on Mechanical Behavior of Epoxy/Glass Fiber Composites. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-10.	1.5	6
15	Effect of recycled flux over mechanical properties of A36 steel in submerged arc welding. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 1962-1970.	1.9	1
16	Tribo-Surface Characteristics and Wear Behaviour of SiC@r-GO/Mg Composite Worn under Varying Control Factor. <i>Silicon</i> , 2020, 12, 29-39.	1.8	23
17	Effect of TiB ₂ on the Corrosion Resistance Behavior of In Situ Al Composites. <i>International Journal of Metalcasting</i> , 2020, 14, 84-91.	1.5	39
18	WEDM Parameter Optimization for Silicon@r-GO/Magnesium Composite Using Taguchi Based GRA Coupled PCA. <i>Silicon</i> , 2020, 12, 1161-1175.	1.8	45

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19	Effect of Bio-filler on Hybrid Sisal-Banana-Kenaf-Flax Based Epoxy Composites: A Statistical Correlation on Flexural Strength. <i>Journal of Bionic Engineering</i> , 2020, 17, 1263-1271.	2.7	18
20	Synergistic improvement of epoxy derived polymer composites reinforced with Graphene Oxide (GO) plus Titanium di oxide(TiO ₂). <i>Composites Part B: Engineering</i> , 2020, 191, 107911.	5.9	62
21	Peanut oil cake-derived cellulose fiber: Extraction, application of mechanical and thermal properties in pineapple/flax natural fiber composites. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 775-785.	3.6	106
22	Green high strength concrete containing recycled Cathode Ray Tube Panel Plastics (E-waste) as coarse aggregate in concrete beams for structural applications. <i>Journal of Building Engineering</i> , 2020, 30, 101192.	1.6	27
23	Machinability of hybrid natural fiber reinforced composites with cellulose micro filler incorporation. <i>Journal of Composite Materials</i> , 2020, 54, 3655-3671.	1.2	35
24	Investigating the effects of hybrid reinforcement particles on the microstructural, mechanical and tribological properties of friction stir processed copper surface composites. <i>Composites Part B: Engineering</i> , 2019, 174, 107057.	5.9	55
25	Multi-objective optimization in WEDM process of graphene @ SiC-magnesium composite through hybrid techniques. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 335-349.	2.5	84
26	Influence of machining parameters on wire electrical discharge machining performance of reduced graphene oxide/magnesium composite and its surface integrity characteristics. <i>Composites Part B: Engineering</i> , 2019, 167, 621-630.	5.9	52
27	Investigation of graphene-reinforced magnesium metal matrix composites processed through a solvent-based powder metallurgy route. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	30
28	Experimental investigations on wear and friction behaviour of SiC@r-GO reinforced Mg matrix composites produced through solvent-based powder metallurgy. <i>Composites Part B: Engineering</i> , 2019, 162, 508-521.	5.9	61
29	Exploring the corrosion inhibition of magnesium by coatings. <i>Progress in Organic Coatings</i> , 2019, 129, 32-42.	1.9	28
30	Doping Effect of SiC over Graphene on Dry Sliding Wear Behaviour of Mg/SiC@r-GO MMCs and its Surface Characterization. <i>Silicon</i> , 2018, 10, 2829-2843.	1.8	28
31	Effect of friction stir processing and hybrid reinforcements on copper. <i>Materials and Manufacturing Processes</i> , 2018, 33, 1681-1692.	2.7	23
32	Mechanical, corrosion and wear characteristics of powder metallurgy processed Ti-6Al-4V/B4C metal matrix composites. <i>Ain Shams Engineering Journal</i> , 2018, 9, 1489-1496.	3.5	57
33	Investigations on the effect of friction stir processing on Cu-BN surface composites. <i>Materials and Manufacturing Processes</i> , 2018, 33, 299-307.	2.7	37
34	Corrosion protection behaviour of r-GO/TiO ₂ hybrid composite coating on Magnesium substrate in 3.5 wt.% NaCl. <i>Progress in Organic Coatings</i> , 2018, 125, 358-364.	1.9	36
35	Effect of r-GO/TiO ₂ hybrid composite as corrosion-protective coating on magnesium in sulphur-based electrolyte. <i>Anti-Corrosion Methods and Materials</i> , 2018, 65, 375-382.	0.6	18
36	Surface characterization and specific wear rate prediction of r-GO/AZ31 composite under dry sliding wear condition. <i>Surfaces and Interfaces</i> , 2017, 6, 143-153.	1.5	55

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37	Electrodeposition of r-GO/SiC nano-composites on Magnesium and its Corrosion Behavior in Aqueous Electrolyte. Applied Surface Science, 2017, 424, 63-71.	3.1	47
38	Tribological behaviour predictions of r-GO reinforced Mg composite using ANN coupled Taguchi approach. Journal of Physics and Chemistry of Solids, 2017, 110, 409-419.	1.9	63
39	Investigations on mechanical and machinability behavior of aluminum/flyash cenosphere/Gr hybrid composites processed through compocasting. Journal of Applied Research and Technology, 2017, 15, 430-441.	0.6	68
40	Influence of r-GO addition on enhancement of corrosion and wear behavior of AZ31 MMC. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	31
41	Mechanical and wear behaviour of Mg-SiC-Gr hybrid composites. Journal of Magnesium and Alloys, 2016, 4, 197-206.	5.5	111
42	Effect of reinforcement, compact pressure and hard ceramic coating on aluminium rock dust composite performance. International Journal of Refractory Metals and Hard Materials, 2016, 54, 223-229.	1.7	50