S Kaliappan

List of Publications by Year
in descending order

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26	549	623734	677142
papers	citations	14	22
		h-index	g-index

26	26	26	29
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental Investigation on Mechanical Properties of Carbon Nanotube-Reinforced Epoxy Composites for Automobile Application. Journal of Nanomaterials, 2021, 2021, 1-7.	2.7	65
2	Characterization of prickly pear short fiber and red onion peel biocarbon nanosheets toughened epoxy composites. Polymer Composites, 2022, 43, 4899-4908.	4.6	49
3	Effect of Aluminium Tetrahydrate Nanofiller Addition on the Mechanical and Thermal Behaviour of Luffa Fibre-Based Polyester Composites under Cryogenic Environment. Journal of Nanomaterials, 2022, 2022, 1-10.	2.7	49
4	Optimization of cardanol oil dielectric-activated EDM process parameters in machining of silicon steel. Biomass Conversion and Biorefinery, 2023, 13, 14087-14096.	4.6	42
5	Experimental Investigation on Mechanical Properties of Glass Fiber Hybridized Natural Fiber Reinforced Penta-Layered Hybrid Polymer Composite. International Journal of Chemical Engineering, 2022, 2022, 1-9.	2.4	40
6	Experimental Investigation to Utilize Adsorption and Absorption Technique to Reduce CO₂ Emissions in Diesel Engine Exhaust Using Amine Solutions. Adsorption Science and Technology, 2022, 2022, .	3.2	34
7	Effectiveness of Nanosilica on Enhancing the Mechanical and Microstructure Properties of Kenaf/Carbon Fiber-Reinforced Epoxy-Based Nanocomposites. Adsorption Science and Technology, 2022, 2022, .	3.2	27
8	Annealed peanut shell biochar as potential reinforcement for aloe vera fiber-epoxy biocomposite: mechanical, thermal conductivity, and dielectric properties. Biomass Conversion and Biorefinery, 2024, 14, 4155-4163.	4.6	26
9	Investigation on Interlaminar Shear Strength and Moisture Absorption Properties of Soybean Oil Reinforced with Aluminium Trihydrate-Filled Polyester-Based Nanocomposites. Journal of Nanomaterials, 2022, 2022, 1-8.	2.7	23
10	Effect of Mechanical Properties on Fibre Addition of Flax and Graphene-Based Bionanocomposites. International Journal of Chemical Engineering, 2022, 2022, 1-8.	2.4	22
11	Utilization of Eco-Friendly Waste Eggshell Catalysts for Enhancing Liquid Product Yields through Pyrolysis of Forestry Residues. Journal of Nanomaterials, 2022, 2022, 1-10.	2.7	20
12	Experimental Investigation on Mechanical Properties of TiAlN Thin Films Deposited by RF Magnetron Sputtering. Journal of Nanomaterials, 2021, 2021, 1-7.	2.7	19
13	Reduction of 1/f Noise in Single-Walled Carbon Nanotubes (SWCNTs) Using Gas Adsorption Technique. Adsorption Science and Technology, 2022, 2022, .	3.2	19
14	Influence of Different Frequency Pulse on Weld Bead Phase Ratio in Gas Tungsten Arc Welding by Ferritic Stainless Steel AISI-409L. Journal of Nanomaterials, 2022, 2022, 1-11.	2.7	19
15	Effect of Tungsten Carbide Addition on the Microstructure and Mechanical Behavior of Titanium Matrix Developed by Powder Metallurgy Route. Advances in Materials Science and Engineering, 2022, 2022, 1-7.	1.8	18
16	Investigation of Tribological Behaviour on DLC Coatings for AA5051 using DC Sputtering. Adsorption Science and Technology, 2022, 2022, .	3.2	13
17	Mechanical, fracture toughness, and fatigue behavior of spinifex littoreus fiber on echinoideaâ€spike toughened epoxy composite. Polymer Composites, 2022, 43, 2329-2340.	4.6	12
18	Development of Novel Bio-mulberry-Reinforced Polyacrylonitrile (PAN) Fibre Organic Brake Friction Composite Materials. Bioinorganic Chemistry and Applications, 2022, 2022, 1-11.	4.1	12

#	Article	IF	Citations
19	Co-pyrolysis of Hardwood Combined with Industrial Pressed Oil Cake and Agricultural Residues for Enhanced Bio-Oil Production. Journal of Chemistry, 2022, 2022, 1-12.	1.9	10
20	Time Dependent Behaviour of Amino Silane-treated Aramid Fibre and Waste Latex Rubber Powder Toughened Epoxy Composite. Silicon, 2022, 14, 6837-6845.	3.3	9
21	Performance and Environmental Effects of CeO2/ZrO2 Nanocomposite in Triple Blend Methyl Ester of Pumpkin and Neem Seed Oil Dosed with Diesel on IC Engine. Journal of Nanomaterials, 2022, 2022, 1-9.	2.7	6
22	Optimization of WEDM Process Parameters in Al2024-Li-Si3N4 MMC. Journal of Nanomaterials, 2022, 2022, 1-12.	2.7	4
23	Optimization of Abrasive Wear Characteristics of Polyethylene/Acrylate Copolymer Nanocomposites. Advances in Materials Science and Engineering, 2022, 2022, 1-11.	1.8	4
24	Flash Pyrolysis Experiment on Albizia odoratissima Biomass under Different Operating Conditions: A Comparative Study on Bio-Oil, Biochar, and Noncondensable Gas Products. Journal of Chemistry, 2022, 2022, 1-9.	1.9	4
25	Optical Microstructure, FESEM, Microtensile, and Microhardness Properties of LM 25-B4Cnp-Grnp Hybrid Composites Manufactured by Selective Laser Melting. Advances in Materials Science and Engineering, 2022, 2022, 1-8.	1.8	3
26	Microstructure and Mechanical Behaviour of Ti-6Al-4V Matrix Reinforced with WCp Developed by Squeeze Casting. Journal of Nanomaterials, 2022, 2022, 1-9.	2.7	0