

S Kaliappan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

549
citations

623734

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677142

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26
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29
citing authors

#	ARTICLE	IF	CITATIONS
1	Annealed peanut shell biochar as potential reinforcement for aloe vera fiber-epoxy biocomposite: mechanical, thermal conductivity, and dielectric properties. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4155-4163.	4.6	26
2	Optimization of cardanol oil dielectric-activated EDM process parameters in machining of silicon steel. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 14087-14096.	4.6	42
3	Time Dependent Behaviour of Amino Silane-treated Aramid Fibre and Waste Latex Rubber Powder Toughened Epoxy Composite. <i>Silicon</i> , 2022, 14, 6837-6845.	3.3	9
4	Mechanical, fracture toughness, and fatigue behavior of spinifex littoreus fiber on echinoideaâ€spike toughened epoxy composite. <i>Polymer Composites</i> , 2022, 43, 2329-2340.	4.6	12
5	Effect of Tungsten Carbide Addition on the Microstructure and Mechanical Behavior of Titanium Matrix Developed by Powder Metallurgy Route. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-7.	1.8	18
6	Reduction of 1/f Noise in Single-Walled Carbon Nanotubes (SWCNTs) Using Gas Adsorption Technique. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	19
7	Co-pyrolysis of Hardwood Combined with Industrial Pressed Oil Cake and Agricultural Residues for Enhanced Bio-Oil Production. <i>Journal of Chemistry</i> , 2022, 2022, 1-12.	1.9	10
8	Characterization of prickly pear short fiber and red onion peel biocarbon nanosheets toughened epoxy composites. <i>Polymer Composites</i> , 2022, 43, 4899-4908.	4.6	49
9	Experimental Investigation to Utilize Adsorption and Absorption Technique to Reduce CO ₂ Emissions in Diesel Engine Exhaust Using Amine Solutions. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	34
10	Optimization of WEDM Process Parameters in Al2024-Li-Si3N4 MMC. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-12.	2.7	4
11	Investigation of Tribological Behaviour on DLC Coatings for AA5051 using DC Sputtering. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	13
12	Optical Microstructure, FESEM, Microtensile, and Microhardness Properties of LM 25-B4Cnp-Grnp Hybrid Composites Manufactured by Selective Laser Melting. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-8.	1.8	3
13	Influence of Different Frequency Pulse on Weld Bead Phase Ratio in Gas Tungsten Arc Welding by Ferritic Stainless Steel AISI-409L. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	19
14	Effect of Aluminium Tetrahydrate Nanofiller Addition on the Mechanical and Thermal Behaviour of Luffa Fibre-Based Polyester Composites under Cryogenic Environment. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-10.	2.7	49
15	Performance and Environmental Effects of CeO ₂ /ZrO ₂ Nanocomposite in Triple Blend Methyl Ester of Pumpkin and Neem Seed Oil Dosed with Diesel on IC Engine. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-9.	2.7	6
16	Utilization of Eco-Friendly Waste Eggshell Catalysts for Enhancing Liquid Product Yields through Pyrolysis of Forestry Residues. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-10.	2.7	20
17	Optimization of Abrasive Wear Characteristics of Polyethylene/Acrylate Copolymer Nanocomposites. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-11.	1.8	4
18	Experimental Investigation on Mechanical Properties of Glass Fiber Hybridized Natural Fiber Reinforced Penta-Layered Hybrid Polymer Composite. <i>International Journal of Chemical Engineering</i> , 2022, 2022, 1-9.	2.4	40

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19	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
20	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
21	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
22	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
23	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
24	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
25	Experimental Investigation on Mechanical Properties of TiAlN Thin Films Deposited by RF Magnetron Sputtering. Journal of Nanomaterials, 2021, 2021, 1-7.	2.7	19
26	Experimental Investigation on Mechanical Properties of Carbon Nanotube-Reinforced Epoxy Composites for Automobile Application. Journal of Nanomaterials, 2021, 2021, 1-7.	2.7	65