

Madhu P

List of Publications by Year in descending order

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45
papers

3,445
citations

279487

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288905

40
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docs citations

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times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Effect of PJFs/E-glass/Carbon Fabric Reinforced Hybrid Epoxy Composites for Structural Applications. <i>Journal of Natural Fibers</i> , 2022, 19, 3742-3752.	1.7	20
2	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview. <i>Journal of Natural Fibers</i> , 2022, 19, 4132-4147.	1.7	124
3	A comprehensive review on the effect of synthetic filler materials on fiber-reinforced hybrid polymer composites. <i>Journal of the Textile Institute</i> , 2022, 113, 1231-1239.	1.0	64
4	Plastics in Automotive Applications. , 2022, , 103-113.		8
5	Carbon fiber reinforced areca/sisal hybrid composites for railway interior applications: Mechanical and morphological properties. <i>Polymer Composites</i> , 2022, 43, 160-172.	2.3	28
6	A comprehensive review on polymer composites in railway applications. <i>Polymer Composites</i> , 2022, 43, 1238-1251.	2.3	53
7	Introduction to bio-based fibers and their composites. , 2022, , 1-20.		3
8	Synthesis and Characterization of Microwave-Assisted Copolymer Membranes of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 350.	2.0	8
9	Waste coconut leaf sheath as reinforcement composite material with <sc>phenolâ€formaldehyde</sc> matrix. <i>Polymer Composites</i> , 2022, 43, 1985-1995.	2.3	13
10	Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. <i>Crystals</i> , 2022, 12, 326.	1.0	5
11	Recent developments and challenges in natural fiber composites: A review. <i>Polymer Composites</i> , 2022, 43, 2545-2561.	2.3	58
12	Structural investigation of Cu doped calcium ferrite (Ca _{1-x} Cu _x Fe ₂ O ₄ ; x = 0, 0.2, 0.4, 0.6, 0.8, 1) nanomaterials prepared by co-precipitation method. <i>Journal of Materials Research and Technology</i> , 2022, 18, 705-719.	2.6	21
13	Review on nitride compounds and its polymer composites: a multifunctional material. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2175-2193.	2.6	34
14	Synthesis of Atmospherically Stable Zero-Valent Iron Nanoparticles (nZVI) for the Efficient Catalytic Treatment of High-Strength Domestic Wastewater. <i>Catalysts</i> , 2022, 12, 26.	1.6	10
15	Influence of stacking sequence on flax/kevlar hybrid epoxy composites: Mechanical and morphological studies. <i>Polymer Composites</i> , 2022, 43, 3782-3793.	2.3	19
16	Introduction to plant fibers and their composites. , 2022, , 1-24.		0
17	Comparative evaluation of areca/carbon/basalt fiber reinforced epoxy/bio epoxy based hybrid composites. <i>Polymer Composites</i> , 2022, 43, 4179-4190.	2.3	17
18	A comprehensive review on 3D printing advancements in polymer composites: technologies, materials, and applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 127-169.	1.5	23

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19	Areca/synthetic fibers reinforced based epoxy hybrid composites for semi-structural applications. <i>Polymer Composites</i> , 2022, 43, 5222-5234.	2.3	15
20	Mechanical and thermal properties of flax/carbon/kevlar based epoxy hybrid composites. <i>Polymer Composites</i> , 2022, 43, 5649-5662.	2.3	19
21	Effect of nano fillers on glass/silk fibers based reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2021, 46, 9032-9035.	0.9	11
22	A new study on flax/basalt/carbon fiber reinforced epoxy/bioepoxy hybrid composites. <i>Polymer Composites</i> , 2021, 42, 1891-1900.	2.3	59
23	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization. <i>Polymer Composites</i> , 2021, 42, 1588-1630.	2.3	151
24	Mechanical, Electrical and Thermal Behaviour of Additively Manufactured Thermoplastic Composites for High Performance Applications. <i>Springer Series in Advanced Manufacturing</i> , 2021, , 167-199.	0.2	5
25	Mechanical and Chemical Properties Evaluation of Sheep Wool Fiber Reinforced Vinylester and Polyester Composites. <i>Materials Performance and Characterization</i> , 2021, 10, 20200036.	0.2	20
26	Pongamia pinnata shell powder filled sisal/kevlar hybrid composites: Physicochemical and morphological characteristics. <i>Polymer Composites</i> , 2021, 42, 4434-4447.	2.3	43
27	Influence of nanofillers on biodegradable composites: A comprehensive review. <i>Polymer Composites</i> , 2021, 42, 5691-5711.	2.3	105
28	A review on extraction, chemical treatment, characterization of natural fibers and its composites for potential applications. <i>Polymer Composites</i> , 2021, 42, 6239-6264.	2.3	112
29	Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. <i>Antibiotics</i> , 2021, 10, 1334.	1.5	15
30	Effect of Various Chemical Treatments of Prosopis juliflora Fibers as Composite Reinforcement: Physicochemical, Thermal, Mechanical, and Morphological Properties. <i>Journal of Natural Fibers</i> , 2020, 17, 833-844.	1.7	78
31	A novel approach for development of printed circuit board from biofiber based composites. <i>Polymer Composites</i> , 2020, 41, 4550-4558.	2.3	101
32	Preparation and characterization of new hybrid polymer composites from Phoenix pusilla fibers/ glass /carbon fabrics on potential engineering applications: Effect of stacking sequence. <i>Polymer Composites</i> , 2020, 41, 4572-4582.	2.3	28
33	Experimental investigation on the mechanical and morphological behavior of Prosopis juliflora bark fibers/ glass/carbon fabrics reinforced hybrid polymeric composites for structural applications. <i>Polymer Composites</i> , 2020, 41, 4983-4993.	2.3	35
34	Alkaline Effect on Characterization of Discarded Waste of Moringa oleifera Fiber as a Potential Eco-friendly Reinforcement for Biocomposites. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2823-2836.	2.4	54
35	A new study on effect of various chemical treatments on Agave Americana fiber for composite reinforcement: Physico-chemical, thermal, mechanical and morphological properties. <i>Polymer Testing</i> , 2020, 85, 106437.	2.3	165
36	Characterization of cellulosic fibre from Phoenix pusilla leaves as potential reinforcement for polymeric composites. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2597-2604.	2.6	84

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37	Characterization of raw and alkali treated prosopis juliflora fibers for potential polymer composite reinforcement. IOP Conference Series: Materials Science and Engineering, 2019, 653, 012016.	0.3	8
38	A review on synthesis and characterization of commercially available natural fibers: Part II. Journal of Natural Fibers, 2019, 16, 25-36.	1.7	133
39	A review on synthesis and characterization of commercially available natural fibers: Part-I. Journal of Natural Fibers, 2019, 16, 1132-1144.	1.7	145
40	Polymer matrix-natural fiber composites: An overview. Cogent Engineering, 2018, 5, 1446667.	1.1	265
41	Characterization and properties of natural fiber polymer composites: A comprehensive review. Journal of Cleaner Production, 2018, 172, 566-581.	4.6	1,080
42	Effect of tungsten carbide on mechanical and tribological properties of jute/sisal/E-glass fabrics reinforced natural rubber/epoxy composites. Journal of Industrial Textiles, 2018, 48, 713-737.	1.1	111
43	Potential of natural/synthetic hybrid composites for aerospace applications. , 2018, , 315-351.		77
44	Stress Analysis and Life Estimation of Gas Turbine Blisk for Different Materials of a Jet Engine. International Journal of Science and Research (Raipur, India), 2016, 5, 1103-1107.	0.1	4
45	Effect of Layering Sequence on Impact Properties of Alkali Treated Phoenix Pusilla Fibers-Glass-Carbon Fabrics Reinforced Hybrid Composite Laminates. Journal of Natural Fibers, 0, , 1-11.	1.7	11