Madhu P

List of Publications by Year
in descending order

45 papers	3,445 citations	279798 23 h-index	289244 40 g-index
47 all docs	47 docs citations	47 times ranked	1857 citing authors

#	Article	IF	Citations
1	Hybrid Effect of PJFs/E-glass/Carbon Fabric Reinforced Hybrid Epoxy Composites for Structural Applications. Journal of Natural Fibers, 2022, 19, 3742-3752.	3.1	20
2	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview. Journal of Natural Fibers, 2022, 19, 4132-4147.	3.1	124
3	A comprehensive review on the effect of synthetic filler materials on fiber-reinforced hybrid polymer composites. Journal of the Textile Institute, 2022, 113, 1231-1239.	1.9	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. Polymer Composites, 2022, 43, 160-172.	4.6	28
6	A comprehensive review on polymer composites in railway applications. Polymer Composites, 2022, 43, 1238-1251.	4.6	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.	4.5	8
9	Waste coconut leaf sheath as reinforcement composite material with <scp>phenolâ€formaldehyde</scp> matrix. Polymer Composites, 2022, 43, 1985-1995.	4.6	13
10	Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. Crystals, 2022, 12, 326.	2.2	5
11	Recent developments and challenges in natural fiber composites: A review. Polymer Composites, 2022, 43, 2545-2561.	4.6	58
12	Structural investigation of Cu doped calcium ferrite (Ca1-xCuxFe2O4; x = 0, 0.2, 0.4, 0.6, 0.8, 1) nanomaterials prepared by co-precipitation method. Journal of Materials Research and Technology, 2022, 18, 705-719.	5.8	21
13	Review on nitride compounds and its polymer composites: a multifunctional material. Journal of Materials Research and Technology, 2022, 18, 2175-2193.	5.8	34
14	Synthesis of Atmospherically Stable Zero-Valent Iron Nanoparticles (nZVI) for the Efficient Catalytic Treatment of High-Strength Domestic Wastewater. Catalysts, 2022, 12, 26.	3.5	10
15	Influence of stacking sequence on flax/kevlar hybrid epoxy composites: Mechanical and morphological studies. Polymer Composites, 2022, 43, 3782-3793.	4.6	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. Polymer Composites, 2022, 43, 4179-4190.	4.6	17
18	A comprehensive review on 3D printing advancements in polymer composites: technologies, materials, and applications. International Journal of Advanced Manufacturing Technology, 2022, 121, 127-169.	3.0	23

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19	Areca/synthetic fibers reinforced based epoxy hybrid composites for semiâ€structural applications. Polymer Composites, 2022, 43, 5222-5234.	4.6	15
20	Mechanical and thermal properties of flax/carbon/kevlar based epoxy hybrid composites. Polymer Composites, 2022, 43, 5649-5662.	4.6	19
21	Effect of nano fillers on glass/silk fibers based reinforced polymer composites. Materials Today: Proceedings, 2021, 46, 9032-9035.	1.8	11
22	A new study on <scp>flaxâ€basaltâ€carbon</scp> fiber reinforced epoxy/<scp>bioepoxy</scp> hybrid composites. Polymer Composites, 2021, 42, 1891-1900.	4.6	59
23	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization. Polymer Composites, 2021, 42, 1588-1630.	4.6	151
24	Mechanical, Electrical and Thermal Behaviour of Additively Manufactured Thermoplastic Composites for High Performance Applications. Springer Series in Advanced Manufacturing, 2021, , 167-199.	0.5	5
25	Mechanical and Chemical Properties Evaluation of Sheep Wool Fiberâ€"Reinforced Vinylester and Polyester Composites. Materials Performance and Characterization, 2021, 10, 20200036.	0.3	20
26	<scp>Pongamia pinnata</scp> shell powder filled sisal/kevlar hybrid composites: <scp>Physicomechanical</scp> and morphological characteristics. Polymer Composites, 2021, 42, 4434-4447.	4.6	43
27	Influence of nanofillers on biodegradable composites: A comprehensive review. Polymer Composites, 2021, 42, 5691-5711.	4.6	105
28	A review on extraction, chemical treatment, characterization of natural fibers and its composites for potential applications. Polymer Composites, 2021, 42, 6239-6264.	4.6	112
29	Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. Antibiotics, 2021, 10, 1334.	3.7	15
30	Effect of Various Chemical Treatments of Prosopis juliflora Fibers as Composite Reinforcement: Physicochemical, Thermal, Mechanical, and Morphological Properties. Journal of Natural Fibers, 2020, 17, 833-844.	3.1	78
31	A novel approach for development of printed circuit board from biofiber based composites. Polymer Composites, 2020, 41, 4550-4558.	4.6	101
32	Preparation and characterization of new hybrid polymer composites from Phoenix pusilla fibers/ Eâ€glass /carbon fabrics on potential engineering applications: Effect of stacking sequence. Polymer Composites, 2020, 41, 4572-4582.	4.6	28
33	Experimental investigation on the mechanical and morphological behavior of <scp>Prosopis juliflora</scp> bark fibers/Eâ€glass/carbon fabrics reinforced hybrid polymeric composites for structural applications. Polymer Composites, 2020, 41, 4983-4993.	4.6	35
34	Alkaline Effect on Characterization of Discarded Waste of Moringa oleifera Fiber as a Potential Eco-friendly Reinforcement for Biocomposites. Journal of Polymers and the Environment, 2020, 28, 2823-2836.	5.0	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. Polymer Testing, 2020, 85, 106437.	4.8	165
36	Characterization of cellulosic fibre from Phoenix pusilla leaves as potential reinforcement for polymeric composites. Journal of Materials Research and Technology, 2019, 8, 2597-2604.	5.8	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.	0.6	8
38	A review on synthesis and characterization of commercially available natural fibers: Part II. Journal of Natural Fibers, 2019, 16, 25-36.	3.1	133
39	A review on synthesis and characterization of commercially available natural fibers: Part-I. Journal of Natural Fibers, 2019, 16, 1132-1144.	3.1	145
40	Polymer matrix-natural fiber composites: An overview. Cogent Engineering, 2018, 5, 1446667.	2.2	265
41	Characterization and properties of natural fiber polymer composites: A comprehensive review. Journal of Cleaner Production, 2018, 172, 566-581.	9.3	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.	2.4	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.	3.1	11