

Mavinkere Rangappa Sanjay

List of Publications by Year in descending order

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255
papers

14,927
citations

20759

60
h-index

27345

106
g-index

281
all docs

281
docs citations

281
times ranked

4743
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of alkali treatment on performance characterization of <i>Ziziphus mauritiana</i> fiber and its epoxy composites. Journal of Industrial Textiles, 2022, 51, 2444S-2466S.	1.1	33
2	Hybrid Effect of PJFs/E-glass/Carbon Fabric Reinforced Hybrid Epoxy Composites for Structural Applications. Journal of Natural Fibers, 2022, 19, 3742-3752.	1.7	20
3	Tribo-Mechanical characterization of carbonized coconut shell micro particle reinforced with <i>Cissus quadrangularis</i> stem fiber/epoxy novel composite for structural application. Journal of Natural Fibers, 2022, 19, 2963-2979.	1.7	55
4	Mechanical, chemical and sound absorption properties of glass/kenaf/waste tea leaf fiber-reinforced hybrid epoxy composites. Journal of Industrial Textiles, 2022, 51, 1674-1700.	1.1	51
5	Extraction and Characterization of Cellulose Fibers from the Stem of <i>Momordica Charantia</i> . Journal of Natural Fibers, 2022, 19, 2232-2242.	1.7	38
6	Characterization of Chemically Treated <i>Limonia Acidissima</i> (Wood Apple) Shell Powder: Physicochemical, Thermal, and Morphological Properties. Journal of Natural Fibers, 2022, 19, 4093-4104.	1.7	35
7	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview. Journal of Natural Fibers, 2022, 19, 4132-4147.	1.7	124
8	Extraction and Characterization of Natural Fibers from <i>Citrullus lanatus</i> Climber. Journal of Natural Fibers, 2022, 19, 621-629.	1.7	49
9	Mechanical properties of hybrid vetiver/banana fiber mat reinforced vinyl ester composites. Journal of Industrial Textiles, 2022, 51, 5869S-5886S.	1.1	24
10	Suitability Evaluation of <i>Sida mysorensis</i> Plant Fiber as Reinforcement in Polymer Composite. Journal of Natural Fibers, 2022, 19, 1659-1669.	1.7	24
11	Effect of Fiber Volume Fraction on Mechanical and Fire Resistance Properties of Basalt/Polyester and Pineapple/Polyester Composites. Journal of Natural Fibers, 2022, 19, 6074-6088.	1.7	19
12	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.	1.0	64
13	Crashworthiness characterization of jute fiber woven mat reinforced epoxy composite tube for structural application using Taguchi's method. International Journal of Crashworthiness, 2022, 27, 1351-1367.	1.1	23
14	Characterization of <i>Sida acuta</i> fiber and its polymer composites with effect of fly ash. Journal of Natural Fibers, 2022, 19, 8811-8829.	1.7	8
15	Thermo-mechanical Characterization of New Natural Cellulose Fiber from <i>Zmioculus Zamiifolia</i> . Journal of Polymers and the Environment, 2022, 30, 1391-1406.	2.4	23
16	Plastics in Automotive Applications. , 2022, , 103-113.		8
17	Life-cycle and environmental impact assessments on processing of plant fibres and its bio-composites: A critical review. Journal of Industrial Textiles, 2022, 51, 5518S-5542S.	1.1	159
18	Characterization of Natural Cellulosic Fiber from <i>Cocos nucifera</i> Peduncle for Sustainable Biocomposites. Journal of Natural Fibers, 2022, 19, 9373-9383.	1.7	40

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19	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
20	Jute/Hemp bio-epoxy hybrid bio-composites: Influence of stacking sequence on adhesion of fiber-matrix. <i>International Journal of Adhesion and Adhesives</i> , 2022, 113, 103050.	1.4	43
21	Effects of deposition time and RF power on the film characteristics of magnetron sputtered silicon carbide thin films. <i>Materials Today: Proceedings</i> , 2022, 52, 2432-2438.	0.9	3
22	Extraction and characterization of natural cellulosic fiber from fragrant screw pine prop roots as potential reinforcement for polymer composites. <i>Polymer Composites</i> , 2022, 43, 320-329.	2.3	26
23	Basalt fiber reinforced polymer composites filled with nano fillers: A short review. <i>Materials Today: Proceedings</i> , 2022, 52, 2460-2466.	0.9	23
24	A comprehensive review on performance and machinability of plant fiber polymer composites. <i>Polymer Composites</i> , 2022, 43, 608-623.	2.3	36
25	Molecular modeling of 2D graphene grain boundaries: Mechanical and fracture aspects. <i>Materials Today: Proceedings</i> , 2022, 52, 2404-2408.	0.9	21
26	Lignocellulosic fiber reinforced composites: Progress, performance, properties, applications, and future perspectives. <i>Polymer Composites</i> , 2022, 43, 645-691.	2.3	182
27	A comprehensive review on polymer composites in railway applications. <i>Polymer Composites</i> , 2022, 43, 1238-1251.	2.3	53
28	Introduction to bio-based fibers and their composites. , 2022, , 1-20.		3
29	Introduction to biodegradable polymers. , 2022, , 1-18.		1
30	Bioepoxy based hybrid composites from nano-fillers of chicken feather and lignocellulose Ceiba Pentandra. <i>Scientific Reports</i> , 2022, 12, 397.	1.6	43
31	Evaluation of mechanical, thermal and morphological properties of corn husk modified pumice powder reinforced polyester composites. <i>Polymer Composites</i> , 2022, 43, 1763-1771.	2.3	22
32	PVA-based blends and composites. , 2022, , 309-326.		17
33	Biodegradable polymers and green-based antimicrobial packaging materials. , 2022, , 717-733.		4
34	Waste coconut leaf sheath as reinforcement composite material with phenol-formaldehyde matrix. <i>Polymer Composites</i> , 2022, 43, 1985-1995.	2.3	13
35	Review on extraction, characterization, surface treatment and thermal degradation analysis of new cellulosic fibers as sustainable reinforcement in polymer composites. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100271.	2.9	45
36	A Review on Computer-Aided Design and Manufacturing Processes in Design and Architecture. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 3973-3980.	6.0	10

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37	Development and characterization of <i>Hevea brasiliensis</i> particulates filled polyethylene composites. <i>Polymer Composites</i> , 2022, 43, 2047-2054.	2.3	11
38	Development of <i>Dioscorea alata</i> stem fibers as eco-friendly reinforcement for composite materials. <i>Journal of King Saud University, Engineering Sciences</i> , 2022, , .	1.2	24
39	Advanced Composite in Aerospace Applications: Opportunities, Challenges, and Future Perspective. , 2022, , 471-498.		9
40	Extraction and development of starch-based bioplastics from <i>Prosopis Juliflora</i> Plant: Eco-friendly and sustainability aspects. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100296.	2.9	24
41	<i>Limonia Acidissima</i> (wood-apple) shell: Micro and nanoparticles preparation and chemical treatment. <i>Materials Today: Proceedings</i> , 2022, 52, 2543-2547.	0.9	1
42	Characterization of <i>Cocos nucifera</i> L. peduncle fiber reinforced polymer composites for lightweight sustainable applications. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	29
43	Evaluation of impact, thermo-physical properties, and morphology of cornhusk fiber reinforced polyester composites. <i>Polymer Composites</i> , 2022, 43, 2771-2778.	2.3	12
44	Utilization of discarded <i>Cymbopogon flexuosus</i> root waste as a novel lignocellulosic fiber for lightweight polymer composite application. <i>Polymer Composites</i> , 2022, 43, 2838-2853.	2.3	32
45	Delamination and surface roughness analysis of jute/polyester composites using response surface methodology: Consequence of sodium bicarbonate treatment. <i>Journal of Industrial Textiles</i> , 2022, 51, 360S-377S.	1.1	21
46	Recent developments and challenges in natural fiber composites: A review. <i>Polymer Composites</i> , 2022, 43, 2545-2561.	2.3	58
47	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
48	Mechanical property analysis of nanocarbon particles/glass fiber reinforced hybrid epoxy composites using RSM. <i>Composites Communications</i> , 2022, 32, 101147.	3.3	93
49	Properties of organic and inorganic filler hybridization on Timoho Fiber reinforced polyester polymer composites. <i>Polymer Composites</i> , 2022, 43, 1147-1156.	2.3	30
50	Anti-Gnawing, Thermo-Mechanical and Rheological Properties of Polyvinyl Chloride: Effect of Capsicum Oleoresin and Denatonium Benzoate. <i>Journal of Composites Science</i> , 2022, 6, 8.	1.4	4
51	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
52	Mechanical, acoustic and vibration performance of intra-ply Kevlar/PALF epoxy hybrid composites: Effects of different weaving patterns. <i>Polymer Composites</i> , 2022, 43, 3902-3914.	2.3	14
53	Stalk fibers (rice, wheat, barley, etc.) composites and applications. , 2022, , 347-362.		16
54	Introduction to plant fibers and their composites. , 2022, , 1-24.		0

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55	Aging effects on free vibration and damping characteristics of polymer-based biocomposites: A review. <i>Polymer Composites</i> , 2022, 43, 3890-3901.	2.3	10
56	Influence of calcium carbonate fillers on pine fiber reinforced polyester composites. <i>Polymer Composites</i> , 2022, 43, 4306-4317.	2.3	18
57	Solid particle erosion, water absorption and thickness swelling behavior of intra ply Kevlar/PALF fiber epoxy hybrid composites. <i>Polymer Composites</i> , 2022, 43, 3929-3943.	2.3	8
58	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
59	Polymer composites from natural fibers and recycled waste surgical masks during COVID-19 pandemic. <i>Polymer Composites</i> , 2022, 43, 3944-3950.	2.3	14
60	Suitability examination of novel cellulosic plant fiber from <i>Furcraea selloa</i> K. Koch peduncle for a potential polymeric composite reinforcement. <i>Polymer Composites</i> , 2022, 43, 4223-4243.	2.3	20
61	Studies on mechanical and thermal properties of cellulosic fiber fillers reinforced epoxy composites. <i>Polymer Composites</i> , 2022, 43, 4297-4305.	2.3	8
62	Mechanical, thermal, and acoustical studies on natural alternative material for partition walls: A novel experimental investigation. <i>Polymer Composites</i> , 2022, 43, 4711-4720.	2.3	21
63	Mechanical and thermal analysis of coir fiber reinforced jute/bamboo hybrid epoxy composites. <i>Polymer Composites</i> , 2022, 43, 4700-4710.	2.3	13
64	Bio-composite film from corn starch based vetiver cellulose. <i>Journal of Natural Fibers</i> , 2022, 19, 14634-14644.	1.7	36
65	Effect of hybridization on physio-mechanical behavior of Vetiver and Jute fibers reinforced epoxy composites for structural applications: Studies on fabrication, physicochemical, water-absorption, and morphological properties. <i>Journal of Industrial Textiles</i> , 2022, 51, 2642S-2664S.	1.1	8
66	Kenaf fibers, their composites and applications. , 2022, , 283-304.		4
67	Effects of different weaving patterns on thermomechanical and dynamic mechanical properties of Kevlar/pineapple leaf fiber hybrid composites. <i>Polymer Composites</i> , 2022, 43, 4979-4997.	2.3	8
68	Electrical properties of polymer nanocomposites. , 2022, , 73-90.		2
69	Extraction of cellulose nanocrystals from red banana peduncle agro-waste and application in environmentally friendly biocomposite film. <i>Polymer Composites</i> , 2022, 43, 4942-4958.	2.3	18
70	Modification of Fibers and Matrices in Natural Fiber Reinforced Polymer Composites: A Comprehensive Review. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	2.0	37
71	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
72	Isolation and Characterization of New Cellulosic Microfibers from Pandan Duri (<i>Pandanus</i>) Tj ETQq0 0 0 rgBT /Oyerlock 10,Tf 50 62 T	1.7	7

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73	Towards green composites: Bioepoxy composites reinforced with bamboo/basalt/carbon fabrics. <i>Journal of Cleaner Production</i> , 2022, 363, 132314.	4.6	19
74	Fiber Reinforced Composite Manufacturing With the Aid of Artificial Intelligence – A State-of-the-Art Review. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 5511-5524.	6.0	17
75	Additive manufacturing of jute fiber reinforced polymer composites: A concise review of material forms and methods. <i>Polymer Composites</i> , 2022, 43, 6735-6748.	2.3	27
76	Areca/synthetic fibers reinforced based epoxy hybrid composites for semi-structural applications. <i>Polymer Composites</i> , 2022, 43, 5222-5234.	2.3	15
77	A novel and prediction approach of sheep wool reinforced polyester composites: Surface qualities and hybrid modeling. <i>Polymer Composites</i> , 2022, 43, 5274-5290.	2.3	4
78	Design, fabrication, and characterization of natural fillers loaded HDPE composites for domestic applications. <i>Polymer Composites</i> , 2022, 43, 5168-5178.	2.3	10
79	Influence of microwave power and HDPE blend ratio on thermal and mechanical properties of kenaf reinforced PLLA/HDPE blended composites. <i>Journal of Polymer Research</i> , 2022, 29, .	1.2	4
80	Mechanical and thermal properties of flax/carbon/kevlar based epoxy hybrid composites. <i>Polymer Composites</i> , 2022, 43, 5649-5662.	2.3	19
81	Development and experimental analysis of polymer based composite bipolar plate using Aquila Taguchi optimization: Design of experiments. <i>Polymer Composites</i> , 2022, 43, 5522-5533.	2.3	23
82	The mechanical properties of alkali and laccase treated pterocarpus angolensis (mukwa)-polylactic acid (PLA) composites. <i>International Journal of Biological Macromolecules</i> , 2022, 217, 398-406.	3.6	11
83	Mechanical characterization of 3D printed MWCNTs/HDPE nanocomposites. <i>Polymer Testing</i> , 2022, 114, 107703.	2.3	22
84	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. <i>Journal of Natural Fibers</i> , 2021, 18, 1742-1750.	1.7	67
85	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. <i>Journal of Natural Fibers</i> , 2021, 18, 1893-1901.	1.7	58
86	Characterization of Alkali-Treated and Untreated Natural Fibers from the Stem of Parthenium Hysterophorus. <i>Journal of Natural Fibers</i> , 2021, 18, 80-90.	1.7	84
87	Raw and chemically treated bio-waste filled (Limonia acidissima shell powder) vinyl ester composites: Physical, mechanical, moisture absorption properties, and microstructure analysis. <i>Journal of Vinyl and Additive Technology</i> , 2021, 27, 97-107.	1.8	40
88	Characterization of chemical treated and untreated natural fibers from Pennisetum orientale grass- A potential reinforcement for lightweight polymeric applications. <i>International Journal of Lightweight Materials and Manufacture</i> , 2021, 4, 43-49.	1.3	44
89	Performance of Sisal/Hemp Bio-based Epoxy Composites Under Accelerated Weathering. <i>Journal of Polymers and the Environment</i> , 2021, 29, 624-636.	2.4	48
90	Influence of Sodium Hydroxide (NaOH) Treatment on Mechanical Properties and Morphological Behaviour of Phoenix sp. Fiber/Epoxy Composites. <i>Journal of Polymers and the Environment</i> , 2021, 29, 765-774.	2.4	73

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91	A novel palm sheath and sugarcane bagasse fiber based hybrid composites for automotive applications: An experimental approach. <i>Polymer Composites</i> , 2021, 42, 512-521.	2.3	117
92	Lifecycle Assessment of Thermoplastic and Thermosetting Bamboo Composites. , 2021, , 235-246.		18
93	Toughened bioepoxy blends and composites based on poly(ethylene glycol)-block-poly(propylene Tj ETQq1 1 0.784314 rgBT /Overlo Construction and Building Materials, 2021, 271, 121843.	3.2	27
94	Dielectric, vibrational and thermal properties of sisal fibersâ€reinforced poly (lactic acid). <i>Polymer Composites</i> , 2021, 42, 1267-1278.	2.3	18
95	Sustainable milling of Tiâ€™6Alâ€™4V: A trade-off between energy efficiency, carbon emissions and machining characteristics under MQL and cryogenic environment. <i>Journal of Cleaner Production</i> , 2021, 281, 125374.	4.6	95
96	A sustainable solution for enhanced food packaging via a scienceâ€based composite blend of naturalâ€sourced chitosan and microbial extracellular polymeric substances. <i>Journal of Food Processing and Preservation</i> , 2021, 45, .	0.9	12
97	Isolation and characterization of cellulose nanowhiskers from <i>Acacia caesia</i> plant. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50213.	1.3	25
98	Extraction of Polymeric Bioflocculant from <i>Enterobacter</i> sp. and Adsorptive Kinetic Studies on Industrial Dye Removal Applications. <i>Journal of Polymers and the Environment</i> , 2021, 29, 1040-1049.	2.4	7
99	Multiple Regression Model for Predicting Cracks in Soil Amended with Pig Manure Biochar and Wood Biochar. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2021, 25, .	1.2	31
100	Structural and Thermal Properties of Chemically Modified <i>Luffa Cylindrica</i> Fibers. <i>Journal of Natural Fibers</i> , 2021, 18, 1037-1043.	1.7	47
101	Extraction and Characterization of Natural Fiber from Stem of <i>Cardiospermum Halicababum</i> . <i>Journal of Natural Fibers</i> , 2021, 18, 898-908.	1.7	67
102	Effect of Graphene Powder on Banyan Aerial Root Fibers Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2021, 18, 1029-1036.	1.7	58
103	Physico-Chemical Properties of Fiber Extracted from the Flower of <i>Celosia Argentea</i> Plant. <i>Journal of Natural Fibers</i> , 2021, 18, 464-473.	1.7	28
104	Mechanical strength retention and service life of Kevlar fiber woven mat reinforced epoxy laminated composites for structural applications. <i>Polymer Composites</i> , 2021, 42, 1855-1866.	2.3	17
105	Tensile Strength and Moisture Resistance Properties of Biocomposite Films Based on Polyvinyl Alcohol (PVA) with Cellulose as Reinforcement from Durian Peel Fibers. <i>E3S Web of Conferences</i> , 2021, 302, 02001.	0.2	5
106	Exploring the applicability of natural fibers for the development of biocomposites. <i>EXPRESS Polymer Letters</i> , 2021, 15, 193-193.	1.1	43
107	A new study on flaxâ€basaltâ€carbon fiber reinforced epoxy/bioepoxy hybrid composites. <i>Polymer Composites</i> , 2021, 42, 1891-1900.	2.3	59
108	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization. <i>Polymer Composites</i> , 2021, 42, 1588-1630.	2.3	151

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109	Sugarcane nanocellulose fiber-reinforced vinyl ester nanocomposites. , 2021, , 249-264.		4
110	Outline to tribology of polymer composites. , 2021, , 1-5.		1
111	Mechanical, Electrical and Thermal Behaviour of Additively Manufactured Thermoplastic Composites for High Performance Applications. Springer Series in Advanced Manufacturing, 2021, , 167-199.	0.2	5
112	Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physico-mechanical characteristics. Cellulose, 2021, 28, 3451-3471.	2.4	67
113	Mechanical and Chemical Properties Evaluation of Sheep Wool Fiber-Reinforced Vinylester and Polyester Composites. Materials Performance and Characterization, 2021, 10, 20200036.	0.2	20
114	Indian mallow fiber reinforced polyester composites: mechanical and thermal properties. Journal of Materials Research and Technology, 2021, 11, 274-284.	2.6	25
115	Nanoparticles Addition in Coir-Basalt-Innegra Fibers Reinforced Bio-synthetic Epoxy Composites. Journal of Polymers and the Environment, 2021, 29, 3561-3573.	2.4	24
116	Novel Muntingia Calabura bark fiber reinforced green-epoxy composite: A sustainable and green material for cleaner production. Journal of Cleaner Production, 2021, 294, 126337.	4.6	99
117	Characterization of novel natural cellulosic fibers from purple bauhinia for potential reinforcement in polymer composites. Cellulose, 2021, 28, 5373.	2.4	58
118	A comprehensive review on natural fiber/nano-clay reinforced hybrid polymeric composites: Materials and technologies. Polymer Composites, 2021, 42, 3687-3701.	2.3	91
119	Effect of coir fiber and inorganic filler on physical and mechanical properties of epoxy based hybrid composites. Polymer Composites, 2021, 42, 3911-3921.	2.3	38
120	Cellulose fiber from date palm petioles as potential reinforcement for polymer composites: Physicochemical and structural properties. Polymer Composites, 2021, 42, 3943-3953.	2.3	51
121	Thermo-mechanical, rheological and morphology properties of polypropylene composites: Residual CaCO ₃ as a sustainable by-product. Polymer Composites, 2021, 42, 4643-4659.	2.3	7
122	Trends and Developments in Natural Fiber Composites. Applied Science and Engineering Progress, 2021, , .	0.5	8
123	Pongamia pinnata shell powder filled sisal/kevlar hybrid composites: Physicomechanical and morphological characteristics. Polymer Composites, 2021, 42, 4434-4447.	2.3	43
124	Effect of TiC nanoparticles on accelerated weathering of coir fiber filler and basalt fabric reinforced bio/synthetic epoxy hybrid composites: Physicomechanical and thermal characteristics. Polymer Composites, 2021, 42, 4897-4910.	2.3	26
125	Medium-term absorption kinetics and thermal stability analysis of hybrid fiber metal laminate and experimental investigations on its physical and tensile properties. Polymer Composites, 2021, 42, 4155-4165.	2.3	4
126	The Influence of Fiber Processing and Alkaline Treatment on the Properties of Natural Fiber-reinforced Composites: A Review. Applied Science and Engineering Progress, 2021, , .	0.5	7

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127	Impact Strength of Hybrid Epoxy-Basalt Composites Modified with Mineral and Natural Fillers. ChemEngineering, 2021, 5, 56.	1.0	12
128	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites – A comprehensive review. Journal of Cleaner Production, 2021, 310, 127483.	4.6	251
129	Effect of coir fiber and inorganic filler hybridization on Innegra fiber-reinforced epoxy polymer composites: physical and mechanical properties. Cellulose, 2021, 28, 9803-9820.	2.4	11
130	Influence of nanofillers on biodegradable composites: A comprehensive review. Polymer Composites, 2021, 42, 5691-5711.	2.3	105
131	Characterization of chemically treated new natural cellulosic fibers from peduncle of <i>Cocos nucifera</i> L. Var typica. Polymer Composites, 2021, 42, 6403-6416.	2.3	37
132	Characterization of Syzygium cumini particulates filled E-glass fiber reinforced epoxy composites. Polymer Composites, 2021, 42, 6298-6309.	2.3	10
133	A review on extraction, chemical treatment, characterization of natural fibers and its composites for potential applications. Polymer Composites, 2021, 42, 6239-6264.	2.3	112
134	UV light triggered self-healing of green epoxy coatings. Construction and Building Materials, 2021, 305, 124725.	3.2	17
135	Fully bio-based agro-waste soy stem fiber reinforced bio-epoxy composites for lightweight structural applications: Influence of surface modification techniques. Construction and Building Materials, 2021, 303, 124509.	3.2	56
136	Recycled LDPE/PETG blends and HDPE/PETG blends: mechanical, thermal, and rheological properties. Journal of Materials Research and Technology, 2021, 15, 2445-2458.	2.6	23
137	Tribological applications of polymer composites. , 2021, , 355-368.		1
138	Fabrication and characterization of chicken feather fiber-reinforced polymer composites. , 2021, , 225-247.		4
139	Hybrid nanocomposites based on cellulose nanocrystals/nanofibrils: From preparation to applications. , 2021, , 223-245.		5
140	Effect of TiC Nanoparticles Reinforcement in Coir Fiber Based Bio/Synthetic Epoxy Hybrid Composites: Mechanical and Thermal Characteristics. Journal of Polymers and the Environment, 2021, 29, 2609-2627.	2.4	34
141	Effect of Al ₂ O ₃ nanofillers in basalt/epoxy composites: Mechanical and tribological properties. Polymer Composites, 2021, 42, 1727-1740.	2.3	78
142	Sustainable development in utilization of Tamarindus indica L. and its by-products in industries: A review. Current Research in Green and Sustainable Chemistry, 2021, 4, 100207.	2.9	26
143	Fatigue and thermo-mechanical properties of chemically treated Morinda citrifolia fiber-reinforced bio-epoxy composite: A sustainable green material for cleaner production. Journal of Cleaner Production, 2021, 326, 129411.	4.6	41
144	Applications and Drawbacks of Bamboo Fiber Composites. , 2021, , 247-270.		6

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145	Free Vibration Analysis of Bamboo Fiber-Based Polymer Composite. , 2021, , 97-110.		3
146	Effect of Chemically Treated Bamboo Fiber Reinforcement on the Dielectric Properties of Epoxy Composites. , 2021, , 111-126.		5
147	Mechanical, Structural, Thermal and Tribological Properties of Nanoclay Based Phenolic Composites. , 2021, , 123-138.		5
148	Influence of sodium bicarbonate treatment on the free vibration characteristics of Phoenix sp. fiber loaded polyester composites. Materials Today: Proceedings, 2021, , .	0.9	2
149	Preparation and Experimental Investigation on Mechanical and Tribological Performance of Hemp-Glass Fiber Reinforced Laminated Composites for Lightweight Applications. Advances in Civil Engineering Materials, 2021, 10, 20200187.	0.2	14
150	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects. Polymers, 2021, 13, 4280.	2.0	42
151	Investigation on the mechanical behavior of areca sheath fibers/jute fibers/glass fabrics reinforced hybrid composite for light weight applications. Journal of Industrial Textiles, 2020, 49, 1036-1060.	1.1	136
152	Effect of Various Chemical Treatments of <i>Prosopis juliflora</i> Fibers as Composite Reinforcement: Physicochemical, Thermal, Mechanical, and Morphological Properties. Journal of Natural Fibers, 2020, 17, 833-844.	1.7	78
153	Characterization of Novel Natural Fiber from Saccharum Bengalense Grass (Sarkanda). Journal of Natural Fibers, 2020, 17, 1739-1747.	1.7	40
154	Investigation on thermo-mechanical characteristics of treated/untreated <i>Portunus sanguinolentus</i> shell powder-based jute fabrics reinforced epoxy composites. Journal of Industrial Textiles, 2020, 50, 427-459.	1.1	132
155	Studies on Ramie cellulose microfibrils reinforced cassava starch composite: influence of microfibrils loading. Journal of Natural Fibers, 2020, 17, 122-131.	1.7	18
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