Suchart Siengchin

List of Publications by Year
in descending order

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367	13,797	28242	43868
papers	citations	55 h-index	91 g-index

388	388	388	5355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive review of techniques for natural fibers as reinforcement in composites: Preparation, processing and characterization. Carbohydrate Polymers, 2019, 207, 108-121.	5.1	584
2	Renewable and sustainable biobased materials: An assessment on biofibers, biofilms, biopolymers and biocomposites. Journal of Cleaner Production, 2020, 258, 120978.	4.6	482
3	Natural Fibers as Sustainable and Renewable Resource for Development of Eco-Friendly Composites: A Comprehensive Review. Frontiers in Materials, 2019, 6, .	1.2	475
4	Characterization of raw and alkali treated new natural cellulosic fibers from Tridax procumbens. International Journal of Biological Macromolecules, 2019, 125, 99-108.	3.6	299
5	A comprehensive review on chemical properties and applications of biopolymers and their composites. International Journal of Biological Macromolecules, 2020, 154, 329-338.	3.6	297
6	Mechanical properties evaluation of sisal fibre reinforced polymer composites: A review. Construction and Building Materials, 2018, 174, 713-729.	3.2	256
7	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites â€“ A comprehensive review. Journal of Cleaner Production, 2021, 310, 127483.	4.6	251
8	Lignocellulosic fiber reinforced composites: Progress, performance, properties, applications, and future perspectives. Polymer Composites, 2022, 43, 645-691.	2.3	182
9	A comprehensive review on mechanical, electromagnetic radiation shielding, and thermal conductivity of fibers/inorganic fillers reinforced hybrid polymer composites. Polymer Composites, 2020, 41, 3940-3965.	2.3	179
10	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.	2.3	165
11	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
12	Mechanical, microstructural, and thermal characterization insights of pyrolyzed carbon black from waste tires reinforced epoxy nanocomposites for coating application. Polymer Composites, 2020, 41, 338-349.	2.3	156
13	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization. Polymer Composites, 2021, 42, 1588-1630.	2.3	151
14	Accelerated weathering studies of kenaf/sisal fiber fabric reinforced fully biobased hybrid bioepoxy composites for semi-structural applications: Morphology, thermo-mechanical, water absorption behavior and surface hydrophobicity. Construction and Building Materials, 2020, 235, 117464.	3.2	149
15	Influence of wood dust fillers on the mechanical, thermal, water absorption and biodegradation characteristics of jute fiber epoxy composites. Journal of Polymer Research, 2020, 27, 1.	1.2	141
16	Characterization of a novel natural cellulosic fiber from Calotropis gigantea fruit bunch for ecofriendly polymer composites. International Journal of Biological Macromolecules, 2020, 150, 793-801.	3.6	135
17	A comprehensive review of electrospun nanofibers: Food and packaging perspective. Composites Part B: Engineering, 2019, 175, 107074.	5.9	132
18	Investigation on thermo-mechanical characteristics of treated/untreated Portunus sanguinolentus shell powder-based jute fabrics reinforced epoxy composites. Journal of Industrial Textiles, 2020, 50, 427-459.	1.1	132

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19	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview. Journal of Natural Fibers, 2022, 19, 4132-4147.	1.7	124
20	Investigation into mechanical, absorption and swelling behaviour of hemp/sisal fibre reinforced bioepoxy hybrid composites: Effects of stacking sequences. International Journal of Biological Macromolecules, 2019, 140, 637-646.	3.6	117
21	A novel palm sheath and sugarcane bagasse fiber based hybrid composites for automotive applications: An experimental approach. Polymer Composites, 2021, 42, 512-521.	2.3	117
22	Characterization of new cellulosic fiber: Dracaena reflexa as a reinforcement for polymer composite structures. Journal of Materials Research and Technology, 2019, 8, 1952-1963.	2.6	113
23	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
24	Processing and characterization analysis of pyrolyzed oil rubber (from waste tires)â€epoxy polymer blend composite for lightweight structures and coatings applications. Polymer Engineering and Science, 2019, 59, 2041-2051.	1.5	108
25	Influence of nanofillers on biodegradable composites: A comprehensive review. Polymer Composites, 2021, 42, 5691-5711.	2.3	105
26	A novel approach for development of printed circuit board from biofiber based composites. Polymer Composites, 2020, 41, 4550-4558.	2.3	101
27	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
28	Sustainable milling of Tiâ€“6Alâ€“4V: A trade-off between energy efficiency, carbon emissions and machining characteristics under MQL and cryogenic environment. Journal of Cleaner Production, 2021, 281, 125374.	4.6	95
29	Mechanical property analysis of nanocarbon particles/glass fiber reinforced hybrid epoxy composites using RSM. Composites Communications, 2022, 32, 101147.	3.3	93
30	A comprehensive review on natural fiber/<scp>nanoâ€clay</scp> reinforced hybrid polymeric composites: Materials and technologies. Polymer Composites, 2021, 42, 3687-3701.	2.3	91
31	Characterization of cellulosic fibre from Phoenix pusilla leaves as potential reinforcement for polymeric composites. Journal of Materials Research and Technology, 2019, 8, 2597-2604.	2.6	84
32	Characterization of Alkali-Treated and Untreated Natural Fibers from the Stem of Parthenium Hysterophorus. Journal of Natural Fibers, 2021, 18, 80-90.	1.7	84
33	Effect of stacking sequence on properties of coconut leaf sheath/jute/E-glass reinforced phenol formaldehyde hybrid composites. Journal of Industrial Textiles, 2019, 49, 3-32.	1.1	83
34	Green-composites: Ecofriendly and Sustainability. Applied Science and Engineering Progress, 2020, 13, .	0.5	82
35	Physico-chemical and thermal properties of untreated and treated Acacia planifrons bark fibers for composite reinforcement. Materials Letters, 2019, 240, 221-224.	1.3	79
36	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.	1.7	78

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37	Removal of anionic dye Congo red from aqueous environment using polyvinyl alcohol/sodium alginate/ZSM-5 zeolite membrane. Scientific Reports, 2020, 10, 15452.	1.6	78
38	Effect of <scp>Al₂O₃</scp> nanofillers in basalt/epoxy composites: Mechanical and tribological properties. Polymer Composites, 2021, 42, 1727-1740.	2.3	78
39	Evaluation of mechanical and free vibration properties of the pineapple leaf fibre reinforced polyester composites. Construction and Building Materials, 2019, 195, 423-431.	3.2	77
40	Characterization of untreated and alkali treated natural fibers extracted from the stem of Catharanthus roseus. Materials Research Express, 2019, 6, 085406.	0.8	73
41	Alkali treated coir/pineapple leaf fibres reinforced PLA hybrid composites: Evaluation of mechanical, morphological, thermal and physical properties. EXPRESS Polymer Letters, 2020, 14, 717-730.	1.1	73
42	Influence of Sodium Hydroxide (NaOH) Treatment on Mechanical Properties and Morphological Behaviour of Phoenix sp.ÂFiber/Epoxy Composites. Journal of Polymers and the Environment, 2021, 29, 765-774.	2.4	73
43	Recycling of sisal fiber reinforced polypropylene and polylactic acid composites: Thermo-mechanical properties, morphology, and water absorption behavior. Waste Management, 2019, 97, 71-81.	3.7	72
44	Recent advances in thermal properties of hybrid cellulosic fiber reinforced polymer composites. International Journal of Biological Macromolecules, 2019, 141, 1-13.	3.6	69
45	Essential oils as antimicrobial agents in biopolymer-based food packaging - A comprehensive review. Food Bioscience, 2020, 38, 100785.	2.0	68
46	Influence of silver nanoparticles on the mechanical, thermal and antimicrobial properties of cellulose-based hybrid nanocomposites. Composites Part B: Engineering, 2019, 165, 516-525.	5.9	67
47	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. Journal of Natural Fibers, 2021, 18, 1742-1750.	1.7	67
48	Characterization of Alkaline and Silane Treated Fibers of â€˜Water Hyacinth Plantsâ€™ and Reinforcement of â€˜Water Hyacinth Fibersâ€™ with Bioepoxy to Develop Fully Biobased Sustainable Ecofriendly Composites. Journal of Polymers and the Environment, 2020, 28, 2749-2760.	2.4	67
49	Extraction and Characterization of Natural Fiber from Stem of Cardiospermum Halicababum. Journal of Natural Fibers, 2021, 18, 898-908.	1.7	67
50	Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physicoâ€“mechanical characteristics. Cellulose, 2021, 28, 3451-3471.	2.4	67
51	All-cellulose composite films with cellulose matrix and Napier grass cellulose fibril fillers. International Journal of Biological Macromolecules, 2018, 112, 1310-1315.	3.6	66
52	Development of new hybridPhoenix pusilla/carbon/fish bone filler reinforced polymer composites. Journal of the Chinese Advanced Materials Society, 2018, 6, 553-560.	0.7	65
53	An overview of burst, buckling, durability and corrosion analysis of lightweight FRP composite pipes and their applicability. Composite Structures, 2019, 230, 111419.	3.1	65
54	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

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55	Flax and sugar palm reinforced epoxy composites: effect of hybridization on physical, mechanical, morphological and dynamic mechanical properties. Materials Research Express, 2019, 6, 105331.	0.8	62
56	A new study on <scp>flaxâ€basaltâ€carbon</scp> fiber reinforced epoxy/<scp>bioepoxy</scp> hybrid composites. Polymer Composites, 2021, 42, 1891-1900.	2.3	59
57	Advances in Computational Intelligence of Polymer Composite Materials: Machine Learning Assisted Modeling, Analysis and Design. Archives of Computational Methods in Engineering, 2022, 29, 3341-3385.	6.0	59
58	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. Journal of Natural Fibers, 2021, 18, 1893-1901.	1.7	58
59	Effect of Graphene Powder on Banyan Aerial Root Fibers Reinforced Epoxy Composites. Journal of Natural Fibers, 2021, 18, 1029-1036.	1.7	58
60	Characterization of novel natural cellulosic fibers from purple bauhinia for potential reinforcement in polymer composites. Cellulose, 2021, 28, 5373.	2.4	58
61	Recent developments and challenges in natural fiber composites: A review. Polymer Composites, 2022, 43, 2545-2561.	2.3	58
62	Accelerated Weathering and Soil Burial Effect on Biodegradability, Colour and Textureof Coir/Pineapple Leaf Fibres/PLA Biocomposites. Polymers, 2020, 12, 458.	2.0	57
63	Novel biodegradable polymer films based on poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and Ceiba pentandra natural fibers for packaging applications. Food Packaging and Shelf Life, 2020, 25, 100538.	3.3	57
64	A review on the extraction of pineapple, sisal and abaca fibers and their use as reinforcement in polymer matrix. EXPRESS Polymer Letters, 2020, 14, 309-335.	1.1	57
65	Extraction and characterization of vetiver grass (Chrysopogon zizanioides) and kenaf fiber (Hibiscus) Tj ETQq1 1 0.784314 rgBT /Overlo Research and Technology, 2020, 9, 773-778.	2.6	56
66	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
67	Tribo-Mechanical characterization of carbonized coconut shell micro particle reinforced with Cissus quadrangularis stem fiber/epoxy novel composite for structural application. Journal of Natural Fibers, 2022, 19, 2963-2979.	1.7	55
68	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.	2.4	54
69	A new study on characterization of Pithecellobium dulce fiber as composite reinforcement for light-weight applications. Journal of Natural Fibers, 2020, 17, 359-370.	1.7	53
70	New Lignocellulosic Aristida adscensionis Fibers as Novel Reinforcement for Composite Materials: Extraction, Characterization and Weibull Distribution Analysis. Journal of Polymers and the Environment, 2020, 28, 803-811.	2.4	53
71	A comprehensive review on polymer composites in railway applications. Polymer Composites, 2022, 43, 1238-1251.	2.3	53
72	Alumina-filled polystyrene micro- and nanocomposites prepared by melt mixing with and without latex precompounding: Structure and properties. Journal of Applied Polymer Science, 2007, 105, 2963-2972.	1.3	51

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73	Mechanical and Acoustic Properties of Alkali-Treated Sansevieria ehrenbergii/Camellia sinensis Fiberâ€“Reinforced Hybrid Epoxy Composites: Incorporation of Glass Fiber Hybridization. Applied Composite Materials, 2020, 27, 915-933.	1.3	51
74	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
75	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
76	Extraction and Characterization of Natural Fibers from Citrullus lanatus Climber. Journal of Natural Fibers, 2022, 19, 621-629.	1.7	49
77	Efficient removal of methyl orange from aqueous solution using mesoporous ZSM-5 zeolite: Synthesis, kinetics and isotherm studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125852.	2.3	49
78	Utilization of chemically treated municipal solid waste (spent coffee bean powder) as reinforcement in cellulose matrix for packaging applications. Waste Management, 2017, 69, 445-454.	3.7	48
79	Effect of Alkali Treatment on Mechanical and Morphological Properties of Pineapple Leaf Fibre/Polyester Composites. Journal of Polymers and the Environment, 2019, 27, 1191-1201.	2.4	48
80	Performance of Sisal/Hemp Bio-based Epoxy Composites Under Accelerated Weathering. Journal of Polymers and the Environment, 2021, 29, 624-636.	2.4	48
81	Preparation of cellulose/copper nanoparticles bionanocomposite films using a bioflocculant polymer as reducing agent for antibacterial and anticorrosion applications. Composites Part B: Engineering, 2019, 175, 107177.	5.9	47
82	Evaluation of Azadirachta indica seed/spent Camellia sinensis bio-filler based jute fabricsâ€“epoxy composites: Experimental and numerical studies. Journal of Industrial Textiles, 2020, 49, 1252-1277.	1.1	47
83	Structural and Thermal Properties of Chemically Modified Luffa Cylindrica Fibers. Journal of Natural Fibers, 2021, 18, 1037-1043.	1.7	47
84	Review on extraction, characterization, surface treatment and thermal degradation analysis of new cellulosic fibers as sustainable reinforcement in polymer composites. Current Research in Green and Sustainable Chemistry, 2022, 5, 100271.	2.9	45
85	Dynamic mechanical thermal analysis of all-PP composites based on Î² and Î± polymorphic forms. Journal of Materials Science, 2008, 43, 3697-3703.	1.7	44
86	Characterization of chemical treated and untreated natural fibers from Pennisetum orientale grass- A potential reinforcement for lightweight polymeric applications. International Journal of Lightweight Materials and Manufacture, 2021, 4, 43-49.	1.3	44
87	Effects of stacking sequences on static, dynamic mechanical and thermal properties of completely biodegradable green epoxy hybrid composites. Materials Research Express, 2019, 6, 105351.	0.8	43
88	Exploring the applicability of natural fibers for the development of biocomposites. EXPRESS Polymer Letters, 2021, 15, 193-193.	1.1	43
89	<scp>Pongamia pinnata</scp> shell powder filled sisal/kevlar hybrid composites: <scp>Physicomechanical</scp> and morphological characteristics. Polymer Composites, 2021, 42, 4434-4447.	2.3	43
90	Jute/Hemp bio-epoxy hybrid bio-composites: Influence of stacking sequence on adhesion of fiber-matrix. International Journal of Adhesion and Adhesives, 2022, 113, 103050.	1.4	43

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91	Bioepoxy based hybrid composites from nano-fillers of chicken feather and lignocellulose Ceiba Pentandra. Scientific Reports, 2022, 12, 397.	1.6	43
92	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects. Polymers, 2021, 13, 4280.	2.0	42
93	Rheological and thermal properties of poly(ethylene oxide)/multiwall carbon nanotube composites. Journal of Applied Polymer Science, 2008, 110, 2094-2101.	1.3	41
94	Structure and creep response of toughened and nanoreinforced polyamides produced via the latex route: Effect of nanofiller type. Composites Science and Technology, 2009, 69, 677-683.	3.8	41
95	Dielectric relaxation phenomena and dynamics in polyoxymethylene/polyurethane/alumina hybrid nanocomposites. Polymer International, 2011, 60, 1715-1721.	1.6	41
96	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
97	Characterization of Novel Natural Fiber from Saccharum Bengalense Grass (Sarkanda). Journal of Natural Fibers, 2020, 17, 1739-1747.	1.7	40
98	Raw and chemically treated <scp>bioâ€waste</scp> filled (Limonia acidissima shell powder) vinyl ester composites: Physical, mechanical, moisture absorption properties, and microstructure analysis. Journal of Vinyl and Additive Technology, 2021, 27, 97-107.	1.8	40
99	Characterization of Natural Cellulosic Fiber from Cocos nucifera Peduncle for Sustainable Biocomposites. Journal of Natural Fibers, 2022, 19, 9373-9383.	1.7	40
100	Poly (butylene terephthalate)/silica nanocomposites prepared from cyclic butylene terephthalate. Composites Part A: Applied Science and Manufacturing, 2009, 40, 273-278.	3.8	39
101	Influence of Accelerated Weathering on the Mechanical, Fracture Morphology, Thermal Stability, Contact Angle, and Water Absorption Properties of Natural Fiber Fabric-Based Epoxy Hybrid Composites. Polymers, 2020, 12, 2254.	2.0	39
102	An overview of endurance and ageing performance under various environmental conditions of hybrid polymer composites. Journal of Materials Research and Technology, 2020, 9, 15962-15988.	2.6	39
103	A review on tribological properties of natural fiber based sustainable hybrid composite. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 1616-1634.	1.0	38
104	Extraction and Characterization of Cellulose Fibers from the Stem of Momordica Charantia. Journal of Natural Fibers, 2022, 19, 2232-2242.	1.7	38
105	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
106	Synthesis and properties of pandanwangi fiber reinforced polyethylene composites: Evaluation of dicumyl peroxide (DCP) effect. Composites Communications, 2019, 15, 53-57.	3.3	37
107	Adsorption of methylene blue dye from aqueous solution by a novel PVA/CMC/halloysite nanoclay bio composite: Characterization, kinetics, isotherm and antibacterial properties. Journal of Environmental Health Science & Engineering, 2020, 18, 1311-1327.	1.4	37
108	Characterization of chemically treated new natural cellulosic fibers from peduncle of <scp>Cocos nucifera</scp> L. Var typica. Polymer Composites, 2021, 42, 6403-6416.	2.3	37

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109	Surface Modification Techniques for the Preparation of Different Novel Biofibers for Composites. , 2020, , 1-34.		37
110	Creep Behavior of Polystyrene/Fluorohectorite Micro- and Nanocomposites. Macromolecular Rapid Communications, 2006, 27, 2090-2094.	2.0	36
111	A comprehensive review on performance and machinability of plant fiber polymer composites. Polymer Composites, 2022, 43, 608-623.	2.3	36
112	Bio-composite film from corn starch based vetiver cellulose. Journal of Natural Fibers, 2022, 19, 14634-14644.	1.7	36
113	Recent innovations in bionanocomposites-based food packaging films â€“ A comprehensive review. Food Packaging and Shelf Life, 2022, 33, 100877.	3.3	36
114	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.	2.3	35
115	Characterization of Chemically Treated Limonia Acidissima (Wood Apple) Shell Powder: Physicochemical, Thermal, and Morphological Properties. Journal of Natural Fibers, 2022, 19, 4093-4104.	1.7	35
116	Nanofilled and/or toughened POM composites produced by water-mediated melt compounding: Structure and mechanical properties. EXPRESS Polymer Letters, 2008, 2, 746-756.	1.1	35
117	An efficient removal of malachite green dye from aqueous environment using ZSM-5 zeolite/polyvinyl alcohol/carboxymethyl cellulose/sodium alginate bio composite. Journal of Polymers and the Environment, 2021, 29, 2126-2139.	2.4	34
118	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
119	Review on nitride compounds and its polymer composites: a multifunctional material. Journal of Materials Research and Technology, 2022, 18, 2175-2193.	2.6	34
120	Synthesis and characterization of cellulose/silver nanocomposites from bioflocculant reducing agent. International Journal of Biological Macromolecules, 2017, 103, 1113-1120.	3.6	33
121	Characterization of raw and benzoyl chloride treated Impomea pes-caprae fibers and its epoxy composites. Materials Research Express, 2019, 6, 095307.	0.8	33
122	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. Journal of Industrial Textiles, 2022, 51, 2444S-2466S.	1.1	33
123	Characterization, Thermal and Antimicrobial Properties of Hybrid Cellulose Nanocomposite Films with in-Situ Generated Copper Nanoparticles in Tamarindus indica Nut Powder. Journal of Polymers and the Environment, 2021, 29, 1134-1142.	2.4	33
124	Impact, thermal and mechanical properties of high density polyethylene/flax/SiO2 composites: Effect of flax reinforcing structures. Journal of Reinforced Plastics and Composites, 2012, 31, 959-966.	1.6	32
125	Development and analysis of biodegradable poly(propylene carbonate)/tamarind nut powder composite films. International Journal of Polymer Analysis and Characterization, 2017, 22, 415-423.	0.9	32
126	PEG-ran-PPG Modified Epoxy Thermosets: A Simple Approach To Develop Tough Shape Memory Polymers. Industrial & Engineering Chemistry Research, 2018, 57, 3583-3590.	1.8	32

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127	Effect of fibre loading and Ca(OH)₂ treatment on thermal, mechanical, and physical properties of pineapple leaf fibre/polyester reinforced composites. Materials Research Express, 2019, 6, 085545.	0.8	32
128	Utilization of discarded Cymbopogon flexuosus root waste as a novel lignocellulosic fiber for lightweight polymer composite application. Polymer Composites, 2022, 43, 2838-2853.	2.3	32
129	Polyoxymethylene/polyurethane/alumina ternary composites: Structure, mechanical, thermal and dielectric properties. Journal of Applied Polymer Science, 2008, 110, 1613-1623.	1.3	31
130	Novel method for dispersion of multiwall carbon nanotubes in poly(ethylene oxide) matrix using dicarboxylic acid salts. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1156-1165.	2.4	31
131	Influence of accelerated weathering on the thermo-mechanical, antibacterial, and rheological properties of polylactic acid incorporated with porous silica-containing varying amount of capsicum oleoresin. Composites Part B: Engineering, 2019, 175, 107108.	5.9	31
132	Lipopeptide and zinc oxide nanoparticles blended polyvinyl alcohol-based nanocomposite films as antimicrobial coating for biomedical applications. Process Biochemistry, 2021, 102, 220-228.	1.8	31
133	Multiple Regression Model for Predicting Cracks in Soil Amended with Pig Manure Biochar and Wood Biochar. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	1.2	31
134	Polystyreneâ€“fluorohectorite nanocomposites prepared by melt mixing with and without latex precompounding: Structure and mechanical properties. Journal of Applied Polymer Science, 2007, 106, 248-254.	1.3	30
135	Potential use of 'green' composites in automotive applications. EXPRESS Polymer Letters, 2017, 11, 600-600.	1.1	30
136	Characterization of discarded fruit waste as substitute for harmful synthetic fiber-reinforced polymer composites. Journal of Materials Science, 2020, 55, 8513-8525.	1.7	30
137	Properties of organic and inorganic filler hybridization on Timoho <scp>Fiberâ€reinforced</scp> polyester polymer composites. Polymer Composites, 2022, 43, 1147-1156.	2.3	30
138	Mechanical and stress relaxation behavior of SantopreneÂ® thermoplastic elastomer/boehmite alumina nanocomposites produced by water-mediated and direct melt compounding. Composites Part A: Applied Science and Manufacturing, 2010, 41, 768-773.	3.8	29
139	Thermal characterization of date palm/epoxy composites with fillers from different parts of the tree. Journal of Materials Research and Technology, 2020, 9, 15537-15546.	2.6	29
140	Adsorption Study of Anionic Dye, Eriochrome Black T from Aqueous Medium Using Polyvinyl Alcohol/Starch/ZSM-5 Zeolite Membrane. Journal of Polymers and the Environment, 2020, 28, 2631-2643.	2.4	29
141	Characterization of Cocos nucifera L. peduncle fiber reinforced polymer composites for lightweight sustainable applications. Journal of Applied Polymer Science, 2022, 139, .	1.3	29
142	Shape Memory Properties of Epoxy/PPOâ€“PEOâ€“PPO Triblock Copolymer Blends with Tunable Thermal Transitions and Mechanical Characteristics. Industrial & Engineering Chemistry Research, 2017, 56, 14069-14077.	1.8	28
143	Mechanical and thermal properties of spent coffee bean filler/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biocomposites: Effect of recycling. Chemical Engineering Research and Design, 2019, 124, 187-195.	2.7	28
144	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.	2.3	28

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145	Influence of Fibre Inter-ply Orientation on the Mechanical and Free Vibration Properties of Banana Fibre Reinforced Polyester Composite Laminates. Journal of Polymers and the Environment, 2020, 28, 2789-2800.	2.4	28
146	Physico-Chemical Properties of Fiber Extracted from the Flower of Celosia Argentea Plant. Journal of Natural Fibers, 2021, 18, 464-473.	1.7	28
147	A comprehensive review on cellulose, chitin, and starch as fillers in natural rubber biocomposites. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100095.	1.6	28
148	Carbon fiber reinforced areca/sisal hybrid composites for railway interior applications: Mechanical and morphological properties. Polymer Composites, 2022, 43, 160-172.	2.3	28
149	Structure and properties of flax/polylactide/alumina nanocomposites. Journal of Reinforced Plastics and Composites, 2013, 32, 23-33.	1.6	27
150	Toughened bioepoxy blends and composites based on poly(ethylene glycol)-block-poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Construction and Building Materials, 2021, 271, 121843.	3.2	27
151	Influence of slicing parameters on surface quality and mechanical properties of 3D-printed CF/PLA composites fabricated by FDM technique. Materials Technology, 2022, 37, 1008-1025.	1.5	27
152	Additive manufacturing of jute fiber reinforced polymer composites: A concise review of material forms and methods. Polymer Composites, 2022, 43, 6735-6748.	2.3	27
153	Miscibility, Phase Morphology, Thermomechanical, Viscoelastic and Surface Properties of Poly(Îµ-caprolactone) Modified Epoxy Systems: Effect of Curing Agents. Industrial & Engineering Chemistry Research, 2016, 55, 10055-10064.	1.8	26
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