

# Suchart Siengchin

## List of Publications by Citations

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338  
papers

6,021  
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37  
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388  
ext. papers

9,541  
ext. citations

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avg, IF

7.03  
L-index

#	Paper	IF	Citations
338	A comprehensive review of techniques for natural fibers as reinforcement in composites: Preparation, processing and characterization. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 108-121	10.3	316
337	Natural Fibers as Sustainable and Renewable Resource for Development of Eco-Friendly Composites: A Comprehensive Review. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	233
336	Renewable and sustainable biobased materials: An assessment on biofibers, biofilms, biopolymers and biocomposites. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120978	10.3	222
335	Characterization of raw and alkali treated new natural cellulosic fibers from Tridax procumbens. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 99-108	7.9	177
334	Mechanical properties evaluation of sisal fibre reinforced polymer composites: A review. <i>Construction and Building Materials</i> , <b>2018</b> , 174, 713-729	6.7	175
333	A comprehensive review on chemical properties and applications of biopolymers and their composites. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 329-338	7.9	140
332	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. <i>Construction and Building Materials</i> , <b>2020</b> , 235, 117464	6.7	91
331	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> , <b>2020</b> , 85, 106437	4.5	83
330	Life-cycle and environmental impact assessments on processing of plant fibres and its bio-composites: A critical review. <i>Journal of Industrial Textiles</i> , 152808372092473	1.6	77
329	A comprehensive review of electrospun nanofibers: Food and packaging perspective. <i>Composites Part B: Engineering</i> , <b>2019</b> , 175, 107074	10	74
328	Characterization of new cellulosic fiber: <i>Dracaena reflexa</i> as a reinforcement for polymer composite structures. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 1952-1963	5.5	69
327	A comprehensive review on mechanical, electromagnetic radiation shielding, and thermal conductivity of fibers/inorganic fillers reinforced hybrid polymer composites. <i>Polymer Composites</i> , <b>2020</b> , 41, 3940-3965	3	56
326	Characterization of a novel natural cellulosic fiber from <i>Calotropis gigantea</i> fruit bunch for ecofriendly polymer composites. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 793-801	7.9	55
325	Influence of wood dust fillers on the mechanical, thermal, water absorption and biodegradation characteristics of jute fiber epoxy composites. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	55
324	Mechanical, microstructural, and thermal characterization insights of pyrolyzed carbon black from waste tires reinforced epoxy nanocomposites for coating application. <i>Polymer Composites</i> , <b>2020</b> , 41, 338-349	3	54
323	Investigation into mechanical, absorption and swelling behaviour of hemp/sisal fibre reinforced bioepoxy hybrid composites: Effects of stacking sequences. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 140, 637-646	7.9	53
322	Effect of Various Chemical Treatments of <i>Prosopis juliflora</i> Fibers as Composite Reinforcement: Physicochemical, Thermal, Mechanical, and Morphological Properties. <i>Journal of Natural Fibers</i> , <b>2020</b> , 17, 833-844	1.8	53

321	Effect of stacking sequence on properties of coconut leaf sheath/jute/E-glass reinforced phenol formaldehyde hybrid composites. <i>Journal of Industrial Textiles</i> , <b>2019</b> , 49, 3-32	1.6	52
320	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites [A comprehensive review]. <i>Journal of Cleaner Production</i> , <b>2021</b> , 310, 127483	10.3	52
319	Evaluation of mechanical and free vibration properties of the pineapple leaf fibre reinforced polyester composites. <i>Construction and Building Materials</i> , <b>2019</b> , 195, 423-431	6.7	49
318	Characterization of cellulosic fibre from Phoenix pusilla leaves as potential reinforcement for polymeric composites. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 2597-2604	5.5	48
317	Processing and characterization analysis of pyrolyzed oil rubber (from waste tires)-epoxy polymer blend composite for lightweight structures and coatings applications. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 2041-2051	2.3	48
316	Novel Muntingia Calabura bark fiber reinforced green-epoxy composite: A sustainable and green material for cleaner production. <i>Journal of Cleaner Production</i> , <b>2021</b> , 294, 126337	10.3	47
315	All-cellulose composite films with cellulose matrix and Napier grass cellulose fibril fillers. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 1310-1315	7.9	45
314	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-16	1.8	45
313	Physico-chemical and thermal properties of untreated and treated Acacia planifrons bark fibers for composite reinforcement. <i>Materials Letters</i> , <b>2019</b> , 240, 221-224	3.3	45
312	Alkali treated coir/pineapple leaf fibres reinforced PLA hybrid composites: Evaluation of mechanical, morphological, thermal and physical properties. <i>EXPRESS Polymer Letters</i> , <b>2020</b> , 14, 717-730 <sup>3,4</sup>		44
311	Sustainable milling of TiBAlV: A trade-off between energy efficiency, carbon emissions and machining characteristics under MQL and cryogenic environment. <i>Journal of Cleaner Production</i> , <b>2021</b> , 281, 125374	10.3	44
310	Extraction and Characterization of Natural Fiber from Stem of Cardiospermum Halicababum. <i>Journal of Natural Fibers</i> , <b>2021</b> , 18, 898-908	1.8	43
309	Alumina-filled polystyrene micro- and nanocomposites prepared by melt mixing with and without latex precompounding: Structure and properties. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 2963-2972 <sup>2,9</sup>		42
308	Characterization of Alkali-Treated and Untreated Natural Fibers from the Stem of Parthenium Hysterophorus. <i>Journal of Natural Fibers</i> , <b>2021</b> , 18, 80-90	1.8	42
307	Recent advances in thermal properties of hybrid cellulosic fiber reinforced polymer composites. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 141, 1-13	7.9	41
306	Green-composites: Ecofriendly and Sustainability <b>2020</b> , 13,		40
305	Accelerated Weathering and Soil Burial Effect on Biodegradability, Colour and Texture of Coir/Pineapple Leaf Fibres/PLA Biocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	38
304	Characterization of untreated and alkali treated natural fibers extracted from the stem of Catharanthus roseus. <i>Materials Research Express</i> , <b>2019</b> , 6, 085406	1.7	37

303	Recycling of sisal fiber reinforced polypropylene and polylactic acid composites: Thermo-mechanical properties, morphology, and water absorption behavior. <i>Waste Management</i> , <b>2019</b> , 97, 71-81	8.6	37
302	A new study on characterization of Pithecellobium dulce fiber as composite reinforcement for light-weight applications. <i>Journal of Natural Fibers</i> , <b>2020</b> , 17, 359-370	1.8	37
301	A novel palm sheath and sugarcane bagasse fiber based hybrid composites for automotive applications: An experimental approach. <i>Polymer Composites</i> , <b>2021</b> , 42, 512-521	3	37
300	Development of new hybrid Phoenix pusilla/carbon/fish bone filler reinforced polymer composites. <i>Journal of the Chinese Advanced Materials Society</i> , <b>2018</b> , 6, 553-560		37
299	Influence of silver nanoparticles on the mechanical, thermal and antimicrobial properties of cellulose-based hybrid nanocomposites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 165, 516-525	10	36
298	Structure and creep response of toughened and nanoreinforced polyamides produced via the latex route: Effect of nanofiller type. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 677-683	8.6	36
297	Poly (butylene terephthalate)/silica nanocomposites prepared from cyclic butylene terephthalate. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2009</b> , 40, 273-278	8.4	36
296	Rheological and thermal properties of poly(ethylene oxide)/multiwall carbon nanotube composites. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 2094-2101	2.9	36
295	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. <i>Journal of Natural Fibers</i> , <b>2019</b> , 1-9	1.8	36
294	Dielectric relaxation phenomena and dynamics in polyoxymethylene/polyurethane/alumina hybrid nanocomposites. <i>Polymer International</i> , <b>2011</b> , 60, 1715-1721	3.3	35
293	Dynamic mechanical thermal analysis of all-PP composites based on $\alpha$ and $\beta$ polymorphic forms. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 3697-3703	4.3	35
292	A novel approach for development of printed circuit board from biofiber based composites. <i>Polymer Composites</i> , <b>2020</b> , 41, 4550-4558	3	35
291	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization. <i>Polymer Composites</i> , <b>2021</b> , 42, 1588-1630	3	35
290	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> , <b>2020</b> , 28, 2823-2836	4.5	34
289	An overview of burst, buckling, durability and corrosion analysis of lightweight FRP composite pipes and their applicability. <i>Composite Structures</i> , <b>2019</b> , 230, 111419	5.3	33
288	Flax and sugar palm reinforced epoxy composites: effect of hybridization on physical, mechanical, morphological and dynamic mechanical properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 105331	1.7	33
287	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-9	1.8	33
286	Removal of anionic dye Congo red from aqueous environment using polyvinyl alcohol/sodium alginate/ZSM-5 zeolite membrane. <i>Scientific Reports</i> , <b>2020</b> , 10, 15452	4.9	33

285	Creep Behavior of Polystyrene/Fluorohectorite Micro- and Nanocomposites. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 2090-2094	4.8	32
284	Evaluation of Azadirachta indica seed/spent Camellia sinensis bio-filler based jute fabrics/epoxy composites: Experimental and numerical studies. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 49, 1252-1277	1.6	32
283	Characterization of Alkaline and Silane Treated Fibers of Water Hyacinth Plants and Reinforcement of Water Hyacinth Fibers with Bioepoxy to Develop Fully Biobased Sustainable Ecofriendly Composites. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 2749-2760	4.5	31
282	Nanofilled and/or toughened POM composites produced by water-mediated melt compounding: Structure and mechanical properties. <i>EXPRESS Polymer Letters</i> , <b>2008</b> , 2, 746-756	3.4	31
281	Structural and Thermal Properties of Chemically Modified Luffa Cylindrica Fibers. <i>Journal of Natural Fibers</i> , <b>2021</b> , 18, 1038-1044	1.8	31
280	Utilization of chemically treated municipal solid waste (spent coffee bean powder) as reinforcement in cellulose matrix for packaging applications. <i>Waste Management</i> , <b>2017</b> , 69, 445-454	8.6	30
279	Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physico-mechanical characteristics. <i>Cellulose</i> , <b>2021</b> , 28, 3451-3471	5.5	30
278	New Lignocellulosic Aristida adscensionis Fibers as Novel Reinforcement for Composite Materials: Extraction, Characterization and Weibull Distribution Analysis. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 803-811	4.5	29
277	Extraction and characterization of vetiver grass (Chrysopogon zizanioides) and kenaf fiber (Hibiscus cannabinus) as reinforcement materials for epoxy based composite structures. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 773-778	5.5	29
276	Investigation on thermo-mechanical characteristics of treated/untreated Portunus sanguinolentus shell powder-based jute fabrics reinforced epoxy composites. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 50, 427-459	1.6	29
275	Essential oils as antimicrobial agents in biopolymer-based food packaging - A comprehensive review. <i>Food Bioscience</i> , <b>2020</b> , 38, 100785	4.9	28
274	Novel biodegradable polymer films based on poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and Ceiba pentandra natural fibers for packaging applications. <i>Food Packaging and Shelf Life</i> , <b>2020</b> , 25, 100538	8.2	27
273	Novel method for dispersion of multiwall carbon nanotubes in poly(ethylene oxide) matrix using dicarboxylic acid salts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2009</b> , 47, 1156-1165	2.6	27
272	Polystyrene/fluorohectorite nanocomposites prepared by melt mixing with and without latex precompounding: Structure and mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 248-254	2.9	27
271	Polyoxymethylene/polyurethane/alumina ternary composites: Structure, mechanical, thermal and dielectric properties. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 1613-1623	2.9	27
270	Effect of Alkali Treatment on Mechanical and Morphological Properties of Pineapple Leaf Fibre/Polyester Composites. <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 1191-1201	4.5	26
269	PEG-ran-PPG Modified Epoxy Thermosets: A Simple Approach To Develop Tough Shape Memory Polymers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 3583-3590	3.9	26
268	Impact, thermal and mechanical properties of high density polyethylene/flax/SiO2 composites: Effect of flax reinforcing structures. <i>Journal of Reinforced Plastics and Composites</i> , <b>2012</b> , 31, 959-966	2.9	26

267	A review on the extraction of pineapple, sisal and abaca fibers and their use as reinforcement in polymer matrix. <i>EXPRESS Polymer Letters</i> , <b>2020</b> , 14, 309-335	3.4	26
266	Effect of Graphene Powder on Banyan Aerial Root Fibers Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , <b>2021</b> , 18, 1029-1036	1.8	25
265	Preparation of cellulose/copper nanoparticles bionanocomposite films using a biofloculant polymer as reducing agent for antibacterial and anticorrosion applications. <i>Composites Part B: Engineering</i> , <b>2019</b> , 175, 107177	10	24
264	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. <i>Composites Part B: Engineering</i> , <b>2019</b> , 175, 107108	10	24
263	Shape Memory Properties of Epoxy/PPO/PEO/PPG Triblock Copolymer Blends with Tunable Thermal Transitions and Mechanical Characteristics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 14069-14077	3.9	24
262	Mechanical and stress relaxation behavior of Santoprene <sup>®</sup> thermoplastic elastomer/boehmite alumina nanocomposites produced by water-mediated and direct melt compounding. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2010</b> , 41, 768-773	8.4	24
261	Extraction and Characterization of Cellulose Fibers from the Stem of Momordica Charantia. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-11	1.8	24
260	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> , <b>2021</b> , 29, 765-774	4.5	24
259	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> , <b>2021</b> , 25, 04020061	2.3	24
258	Effect of Al <sub>2</sub> O <sub>3</sub> nanofillers in basalt/epoxy composites: Mechanical and tribological properties. <i>Polymer Composites</i> , <b>2021</b> , 42, 1727-1740	3	24
257	Development and analysis of biodegradable poly(propylene carbonate)/tamarind nut powder composite films. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2017</b> , 22, 415-423	1.7	23
256	Synthesis and properties of pandanwangi fiber reinforced polyethylene composites: Evaluation of dicumyl peroxide (DCP) effect. <i>Composites Communications</i> , <b>2019</b> , 15, 53-57	6.7	23
255	Potential use of 'green' composites in automotive applications. <i>EXPRESS Polymer Letters</i> , <b>2017</b> , 11, 600-604	3	23
254	Structure and properties of flax/polylactide/alumina nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , <b>2013</b> , 32, 23-33	2.9	23
253	A new study on flax-basalt-carbon fiber reinforced epoxy/bioepoxy hybrid composites. <i>Polymer Composites</i> , <b>2021</b> , 42, 1891-1900	3	23
252	Synthesis and characterization of cellulose/silver nanocomposites from biofloculant reducing agent. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 1113-1120	7.9	22
251	Characterization of raw and benzoyl chloride treated Impomea pes-caprae fibers and its epoxy composites. <i>Materials Research Express</i> , <b>2019</b> , 6, 095307	1.7	21
250	Information in United States Patents on works related to 'Natural Fibers' 2000-2018. <i>Current Materials Science</i> , <b>2019</b> , 12, 4-76	1.1	21



249	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. <i>Polymers</i> , <b>2020</b> , 12,	4.5	21
248	Characterization of novel natural cellulosic fibers from purple bauhinia for potential reinforcement in polymer composites. <i>Cellulose</i> , <b>2021</b> , 28, 5373	5.5	21
247	Miscibility, Phase Morphology, Thermomechanical, Viscoelastic and Surface Properties of Poly(E-caprolactone) Modified Epoxy Systems: Effect of Curing Agents. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 10055-10064	3.9	21
246	Exploring the applicability of natural fibers for the development of biocomposites. <i>EXPRESS Polymer Letters</i> , <b>2021</b> , 15, 193-193	3.4	21
245	Extraction and Characterization of Natural Fibers from Citrullus lanatus Climber. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-9	1.8	20
244	An overview of endurance and ageing performance under various environmental conditions of hybrid polymer composites. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 15962-15988	5.5	20
243	A comprehensive review on natural fiber/nano-clay reinforced hybrid polymeric composites: Materials and technologies. <i>Polymer Composites</i> , <b>2021</b> , 42, 3687-3701	3	20
242	Sisal natural fiber/clay-reinforced poly(hydroxybutyrate-co-hydroxyvalerate) hybrid composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2015</b> , 28, 879-895	1.9	19
241	Lignocellulosic fiber reinforced composites: Progress, performance, properties, applications, and future perspectives. <i>Polymer Composites</i> ,	3	19
240	Surface Modification Techniques for the Preparation of Different Novel Biofibers for Composites <b>2020</b> , 1-34		19
239	Mechanical and Acoustic Properties of Alkali-Treated Sansevieria ehrenbergii/Camellia sinensis Fiber Reinforced Hybrid Epoxy Composites: Incorporation of Glass Fiber Hybridization. <i>Applied Composite Materials</i> , <b>2020</b> , 27, 915-933	2	19
238	Mechanical, chemical and sound absorption properties of glass/kenaf/waste tea leaf fiber-reinforced hybrid epoxy composites. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 152808372095739	1.6	19
237	Characterization of Novel Natural Fiber from Saccharum Bengalense Grass (Sarkanda). <i>Journal of Natural Fibers</i> , <b>2020</b> , 17, 1739-1747	1.8	19
236	A review on tribological properties of natural fiber based sustainable hybrid composite. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>2017</b> , 231, 1616-1634	1.4	18
235	Effects of stacking sequences on static, dynamic mechanical and thermal properties of completely biodegradable green epoxy hybrid composites. <i>Materials Research Express</i> , <b>2019</b> , 6, 105351	1.7	18
234	Reinforced Flax Mat/Modified Polylactide (PLA) Composites: Impact, Thermal, and Mechanical Properties. <i>Mechanics of Composite Materials</i> , <b>2014</b> , 50, 257-266	1.1	18
233	Performance of Sisal/Hemp Bio-based Epoxy Composites Under Accelerated Weathering. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 624-636	4.5	18
232	Characterization, Thermal and Antimicrobial Properties of Hybrid Cellulose Nanocomposite Films with in-Situ Generated Copper Nanoparticles in Tamarindus indica Nut Powder. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 1134-1142	4.5	18

231	Effect of fibre loading and Ca(OH) <sub>2</sub> treatment on thermal, mechanical, and physical properties of pineapple leaf fibre/polyester reinforced composites. <i>Materials Research Express</i> , <b>2019</b> , 6, 085545	1.7	17
230	Structure, mechanical, and fracture properties of nanoreinforced and HNBR-toughened polyamide-6. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 897-902	2.9	17
229	Dynamic mechanic and creep behaviors of polyoxymethylene/boehmite alumina nanocomposites produced by water-mediated compounding: Effect of particle size. <i>Journal of Thermoplastic Composite Materials</i> , <b>2013</b> , 26, 863-877	1.9	17
228	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 152808372094261	1.6	17
227	Efficient removal of methyl orange from aqueous solution using mesoporous ZSM-5 zeolite: Synthesis, kinetics and isotherm studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 611, 125852	5.1	17
226	Effect of woven flax structures on morphology and properties of reinforced modified polylactide composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2013</b> , 26, 1424-1440	1.9	16
225	Structure and properties of poly(ethylene oxide)-organo clay nanocomposite prepared via melt mixing. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 379-390	2.3	16
224	A comprehensive review on the effect of synthetic filler materials on fiber-reinforced hybrid polymer composites. <i>Journal of the Textile Institute</i> , 1-9	1.5	16
223	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> , <b>2021</b> , 4, 43-49	2.2	16
222	Physico-Chemical Properties of Fiber Extracted from the Flower of Celosia Argentea Plant. <i>Journal of Natural Fibers</i> , <b>2021</b> , 18, 464-473	1.8	16
221	Morphology, thermo-mechanical properties and surface hydrophobicity of nanostructured epoxy thermosets modified with PEO-PPO-PEO triblock copolymer. <i>Polymer Testing</i> , <b>2017</b> , 59, 168-176	4.5	15
220	Preparation and characterization of new hybrid polymer composites from Phoenix pusilla fibers/E-glass/carbon fabrics on potential engineering applications: Effect of stacking sequence. <i>Polymer Composites</i> , <b>2020</b> , 41, 4572-4582	3	15
219	Characterization of Chemically Treated Limonia Acidissima (Wood Apple) Shell Powder: Physicochemical, Thermal, and Morphological Properties. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-12	1.8	15
218	A review on extraction, chemical treatment, characterization of natural fibers and its composites for potential applications. <i>Polymer Composites</i> ,	3	15
217	Polypropylene/Maleic Anhydride Grafted Polypropylene (MAgPP)/Coconut Fiber Composites. <i>Advances in Mechanical Engineering</i> , <b>2016</b> , 8, 168781401664544	1.2	14
216	Polyethylene and polypropylene hybrid composites based on nano silicon dioxide and different flax structures. <i>Journal of Thermoplastic Composite Materials</i> , <b>2014</b> , 27, 1428-1447	1.9	14
215	Recycling Glass Fiber/Epoxy Resin of Waste Printed Circuit Boards: Morphology and Mechanical properties. <i>Mechanics of Composite Materials</i> , <b>2012</b> , 48, 325-330	1.1	14
214	Influence of Fillers on the Thermal and Mechanical Properties of Biocomposites: An Overview <b>2020</b> , 111-133		14



213	Experimental investigation on the mechanical and morphological behavior of Prosopis juliflora bark fibers/E-glass/carbon fabrics reinforced hybrid polymeric composites for structural applications. <i>Polymer Composites</i> , <b>2020</b> , 41, 4983-4993	3	14
212	Cellulose fiber from date palm petioles as potential reinforcement for polymer composites: Physicochemical and structural properties. <i>Polymer Composites</i> , <b>2021</b> , 42, 3943-3953	3	14
211	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> , <b>2021</b> , 27, 97-107	2	14
210	Adsorption Study of Anionic Dye, Eriochrome Black T from Aqueous Medium Using Polyvinyl Alcohol/Starch/ZSM-5 Zeolite Membrane. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 2631-2643	4.5	13
209	Characterization of discarded fruit waste as substitute for harmful synthetic fiber-reinforced polymer composites. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 8513-8525	4.3	13
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207	Adsorption of methylene blue dye from aqueous solution by a novel PVA/CMC/halloysite nanoclay bio composite: Characterization, kinetics, isotherm and antibacterial properties. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2020</b> , 18, 1311-1327	2.9	13
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