

Suchart Siengchin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

338
papers

6,021
citations

37
h-index

61
g-index

388
ext. papers

9,541
ext. citations

3.5
avg, IF

7.03
L-index

#	Paper	IF	Citations
338	Introduction to bio-based fibers and their composites 2022 , 1-20		0
337	Extraction and properties of cellulose for polymer composites 2022 , 59-86		
336	Introduction to biodegradable polymers 2022 , 1-18		1
335	Bioepoxy based hybrid composites from nano-fillers of chicken feather and lignocellulose Ceiba Pentandra.. <i>Scientific Reports</i> , 2022 , 12, 397	4.9	5
334	Soy protein-based polymer blends and composites 2022 , 39-57		1
333	PVA-based blends and composites 2022 , 309-326		2
332	Effect of Water Absorption on the Tensile, Flexural, Fracture Toughness and Impact Properties of Biocomposites. <i>Composites Science and Technology</i> , 2022 , 35-50		0
331	Biodegradable polymers and green-based antimicrobial packaging materials 2022 , 717-733		2
330	Role of Additive Manufacturing in Biomedical Engineering. <i>Springer Tracts in Additive Manufacturing</i> , 2022 , 139-157		1
329	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	4.1	7
328	Development of Dioscorea alata stem fibers as eco-friendly reinforcement for composite materials. <i>Journal of King Saud University, Engineering Sciences</i> , 2022 ,	2.2	6
327	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	3.4	4
326	Environmental and Toxicological Aspects of Nanostructures in Food Packaging 2022 , 361-378		
325	Introduction to elastomers 2022 , 1-9		
324	Elastomer-based blends 2022 , 33-43		
323	Bio Nanocomposite Films in the Food Packaging Applications. <i>Composites Science and Technology</i> , 2022 , 255-273		
322	Extraction and development of starch-based bioplastics from Prosopis Juliflora Plant: Eco-friendly and sustainability aspects. <i>Current Research in Green and Sustainable Chemistry</i> , 2022 , 5, 100296	4.1	2

321	Antimicrobial Properties of Bionanocomposites. <i>Composites Science and Technology</i> , 2022 , 87-102		
320	Spectroscopy of elastomer blends and composites 2022 , 195-207		
319	Limonia Acidissima (wood-apple) shell: Micro and nanoparticles preparation and chemical treatment. <i>Materials Today: Proceedings</i> , 2022 , 52, 2543-2547	1.4	0
318	Characterization of Cocos nucifera L. peduncle fiber reinforced polymer composites for lightweight sustainable applications. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52245	2.9	1
317	In-vitro cytotoxicity of zinc oxide, graphene oxide, and calcium carbonate nano particulates reinforced high-density polyethylene composite. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 921-930	5.5	2
316	Review on nitride compounds and its polymer composites: a multifunctional material. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 2175-2193	5.5	4
315	Mechanical property analysis of nanocarbon particles/glass fiber reinforced hybrid epoxy composites using RSM. <i>Composites Communications</i> , 2022 , 32, 101147	6.7	0
314	Thermal Characterization of the Natural Fiber-Based Hybrid Composites: An Overview 2022 , 1-15		0
313	Influence of Nanoclay on the Thermal Properties of the Natural Fiber-Based Hybrid Composites 2022 , 239-254		
312	Properties of organic and inorganic filler hybridization on Timoho Fiber-reinforced polyester polymer composites. <i>Polymer Composites</i> , 2022 , 43, 1147-1156	3	2
311	Effect of CNT Fillers on Thermal Properties of the Bamboo Fiber-Based Hybrid Composites 2022 , 255-272		
310	Thermal Properties of the Natural Fiber-Reinforced Hybrid Polymer Composites: An Overview 2022 , 31-51		1
309	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	3	0
308	Effect of Metal Oxide Fillers on Thermal Properties of the Natural Fiber-Based Hybrid Composites 2022 , 273-289		
307	Thermal Properties of Hybrid Natural Fiber-Reinforced Thermoplastic Composites 2022 , 17-30		1
306	Emerging Developments on Nanocellulose as Liquid Crystals: A Biomimetic Approach.. <i>Polymers</i> , 2022 , 14,	4.5	4
305	Lignin-based bionanocomposites for food packaging applications 2022 , 323-337		1
304	PLA based bionanocomposites for food packaging applications 2022 , 115-133		

303	Cotton fibers, their composites and applications 2022 , 379-390		1
302	Stalk fibers (rice, wheat, barley, etc.) composites and applications 2022 , 347-362		0
301	Introduction to plant fibers and their composites 2022 , 1-24		
300	Kenaf fibers, their composites and applications 2022 , 283-304		
299	Advances in Epoxy/Synthetic/Natural Fiber Composites 2022 , 1-28		
298	Towards green composites: Bioepoxy composites reinforced with bamboo/basalt/carbon fabrics. <i>Journal of Cleaner Production</i> , 2022 , 363, 132314	10.3	2
297	Recent innovations in bionanocomposites-based food packaging films [A comprehensive review. <i>Food Packaging and Shelf Life</i> , 2022 , 33, 100877	8.2	0
296	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects.. <i>Polymers</i> , 2021 , 13,	4.5	7
295	Polyvinyl alcohol -nanocomposite films incorporated with clay nanoparticles and lipopeptides as active food wraps against food spoilage microbes. <i>Food Packaging and Shelf Life</i> , 2021 , 30, 100727	8.2	1
294	Influence of sodium bicarbonate treatment on the free vibration characteristics of Phoenix sp. fiber loaded polyester composites. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	1
293	Flexural and Dynamic Mechanical Properties of Alkali-Treated Coir/Pineapple Leaf Fibres Reinforced Polylactic Acid Hybrid Biocomposites. <i>Journal of Bionic Engineering</i> , 2021 , 18, 1430	2.7	12
292	Basalt fiber reinforced polymer composites filled with nano fillers: A short review. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	4
291	Preparation and Experimental Investigation on Mechanical and Tribological Performance of Hemp-Glass Fiber Reinforced Laminated Composites for Lightweight Applications. <i>Advances in Civil Engineering Materials</i> , 2021 , 10, 20200187	0.7	3
290	Sustainable development in utilization of Tamarindus indica L. and its by-products in industries: A review. <i>Current Research in Green and Sustainable Chemistry</i> , 2021 , 4, 100207	4.1	4
289	Fatigue and thermo-mechanical properties of chemically treated Morinda citrifolia fiber-reinforced bio-epoxy composite: A sustainable green material for cleaner production. <i>Journal of Cleaner Production</i> , 2021 , 326, 129411	10.3	6
288	Sugarcane wastes into commercial products: Processing methods, production optimization and challenges. <i>Journal of Cleaner Production</i> , 2021 , 328, 129453	10.3	0
287	Removal of Methylene Blue Dye from Aqueous Solution using PDADMAC Modified ZSM-5 Zeolite as a Novel Adsorbent. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3185-3198	4.5	3
286	Projects Using Composite Epoxy Materials: Applications, Recycling Methods, Environmental Issues, Safety, and Future Directions 2021 , 395-420		2

285	Mechanical, Interfacial and Thermal Properties of Silica Aerogel-Infused Flax/Epoxy Composites. <i>International Polymer Processing</i> , 2021 , 36, 53-59	1	3
284	Indian mallow fiber reinforced polyester composites: mechanical and thermal properties. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 274-284	5.5	13
283	Compressive, dynamic and thermo-mechanical properties of cellulosic pineapple leaf fibre/polyester composites: Influence of alkali treatment on adhesion. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 106, 102823	3.4	9
282	Nanoparticles Addition in Coir-Basalt-Innegra Fibers Reinforced Bio-synthetic Epoxy Composites. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3561-3573	4.5	6
281	Novel Muntingia Calabura bark fiber reinforced green-epoxy composite: A sustainable and green material for cleaner production. <i>Journal of Cleaner Production</i> , 2021 , 294, 126337	10.3	47
280	Characterization of novel natural cellulosic fibers from purple bauhinia for potential reinforcement in polymer composites. <i>Cellulose</i> , 2021 , 28, 5373	5.5	21
279	A comprehensive review on natural fiber/nano-clay reinforced hybrid polymeric composites: Materials and technologies. <i>Polymer Composites</i> , 2021 , 42, 3687-3701	3	20
278	Effect of coir fiber and inorganic filler on physical and mechanical properties of epoxy based hybrid composites. <i>Polymer Composites</i> , 2021 , 42, 3911-3921	3	7
277	Fabrication of water-resistant epoxy nanocomposite with improved dynamic mechanical properties and balanced thermal and dimensional stability: Study on dual role of graphene oxide nanosheets and barium oxide microparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126405	5.1	4
276	Cellulose fiber from date palm petioles as potential reinforcement for polymer composites: Physicochemical and structural properties. <i>Polymer Composites</i> , 2021 , 42, 3943-3953	3	14
275	Cellulosic bionanocomposites based on acrylonitrile butadiene rubber and <i>Cuscuta reflexa</i> : adjusting structure-properties balance for higher performance. <i>Cellulose</i> , 2021 , 28, 7053-7073	5.5	3
274	Thermo-mechanical, rheological and morphology properties of polypropylene composites: Residual CaCO ₃ as a sustainable by-product. <i>Polymer Composites</i> , 2021 , 42, 4643-4659	3	0
273	Pongamia pinnata shell powder filled sisal/kevlar hybrid composites: Physicomechanical and morphological characteristics. <i>Polymer Composites</i> , 2021 , 42, 4434-4447	3	12
272	Release of toxic methylene blue from water by mesoporous silicalite-1: characterization, kinetics and isotherm studies. <i>Applied Water Science</i> , 2021 , 11, 1	5	5
271	Conventional and Additively Manufactured Stainless Steels: A Review. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 1261-1278	1.2	3
270	Effect of TiC nanoparticles on accelerated weathering of coir fiber filler and basalt fabric reinforced bio/synthetic epoxy hybrid composites: Physicomechanical and thermal characteristics. <i>Polymer Composites</i> , 2021 , 42, 4897-4910	3	4
269	Development of chicken feather fiber filled epoxy protective coating for metals. <i>Materials Today: Proceedings</i> , 2021 , 41, 468-472	1.4	9
268	Thermoplastic foam injection moulding of sandwich structures with short fibre-reinforced skin layers. <i>Journal of Sandwich Structures and Materials</i> , 2021 , 23, 301-321	2.1	0

267	Development and Analysis of Completely Biodegradable Cellulose/Banana Peel Powder Composite Films. <i>Journal of Natural Fibers</i> , 2021 , 18, 151-160	1.8	1
266	Characterization of Alkali-Treated and Untreated Natural Fibers from the Stem of Parthenium Hysterophorus. <i>Journal of Natural Fibers</i> , 2021 , 18, 80-90	1.8	42
265	Tribological Properties of Cyperus Pangorei Fibre Reinforced Polyester Composites(Friction and Wear Behaviour of Cyperus Pangorei Fibre/Polyester Composites). <i>Journal of Natural Fibers</i> , 2021 , 18, 261-273	1.8	12
264	Preparation and characterization studies of modified cellulosic textile fabric composite with in situ-generated AgNPs coating. <i>Journal of Industrial Textiles</i> , 2021 , 50, 1111-1126	1.6	8
263	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	2	14
262	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	2.2	16
261	Performance of Sisal/Hemp Bio-based Epoxy Composites Under Accelerated Weathering. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 624-636	4.5	18
260	Influence of Titanium Dioxide Particles on the Filtration of 1,4-Dioxane and Antibacterial Properties of Electrospun Cellulose Acetate and Polyvinylidene Fluoride Nanofibrous Membranes. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 775-784	4.5	4
259	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	4.5	24
258	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	3	37
257	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> , 2021 , 611, 125852	5.1	17
256	Lipopeptide and zinc oxide nanoparticles blended polyvinyl alcohol-based nanocomposite films as antimicrobial coating for biomedical applications. <i>Process Biochemistry</i> , 2021 , 102, 220-228	4.8	6
255	Toughened bioepoxy blends and composites based on poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol) triblock copolymer and sisal fiber fabrics: A new approach. <i>Construction and Building Materials</i> , 2021 , 271, 121843	6.7	11
254	Dielectric, vibrational and thermal properties of sisal fibers-reinforced poly (lactic acid). <i>Polymer Composites</i> , 2021 , 42, 1267-1278	3	6
253	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> , 2021 , 281, 125374	10.3	44
252	A sustainable solution for enhanced food packaging via a science-based composite blend of natural-sourced chitosan and microbial extracellular polymeric substances. <i>Journal of Food Processing and Preservation</i> , 2021 , 45,	2.1	8
251	Isolation and characterization of cellulose nanowhiskers from Acacia caesia plant. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50213	2.9	13
250	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> , 2021 , 29, 1134-1142	4.5	18

249	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	4.5	2
248	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, 04020061	2.3	24
247	Structural and Thermal Properties of Chemically Modified <i>Luffa Cylindrica</i> Fibers. <i>Journal of Natural Fibers</i> , 2021 , 18, 1038-1044	1.8	31
246	Extraction and Characterization of Natural Fiber from Stem of <i>Cardiospermum Halicababum</i> . <i>Journal of Natural Fibers</i> , 2021 , 18, 898-908	1.8	43
245	Effect of Graphene Powder on Banyan Aerial Root Fibers Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2021 , 18, 1029-1036	1.8	25
244	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	1.8	16
243	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	3	8
242	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	0.5	
241	Exploring the applicability of natural fibers for the development of biocomposites. <i>EXPRESS Polymer Letters</i> , 2021 , 15, 193-193	3.4	21
240	A new study on flax-basalt-carbon fiber reinforced epoxy/bioepoxy hybrid composites. <i>Polymer Composites</i> , 2021 , 42, 1891-1900	3	23
239	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization. <i>Polymer Composites</i> , 2021 , 42, 1588-1630	3	35
238	Sugarcane nanocellulose fiber-reinforced vinyl ester nanocomposites 2021 , 249-264		0
237	Mechanical, Electrical and Thermal Behaviour of Additively Manufactured Thermoplastic Composites for High Performance Applications. <i>Springer Series in Advanced Manufacturing</i> , 2021 , 167-199	6.9	3
236	An efficient removal of malachite green dye from aqueous environment using ZSM-5 zeolite/polyvinyl alcohol/carboxymethyl cellulose/sodium alginate bio composite. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 2126-2139	4.5	9
235	Environmental Impact Study on Biobased Composites Using Lifecycle Methodology 2021 , 213-222		1
234	A low cost and eco-friendly membrane from polyvinyl alcohol, chitosan and honey: synthesis, characterization and antibacterial property. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	5
233	Synthesis of three-dimensional graphene architectures from chicken feather and its unusual dimensional crossover in electronic conductivity. <i>Nano Structures Nano Objects</i> , 2021 , 25, 100665	5.6	0
232	Failure Mechanisms of Biobased Composites 2021 , 87-106		2

231	Mechanical, Thermal, Tribological, and Dielectric Properties of Biobased Composites 2021 , 53-73		0
230	Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physico-mechanical characteristics. <i>Cellulose</i> , 2021 , 28, 3451-3471	5.5	30
229	Mechanical and Chemical Properties Evaluation of Sheep Wool Fiber Reinforced Vinylester and Polyester Composites. <i>Materials Performance and Characterization</i> , 2021 , 10, 20200036	0.5	6
228	Medium-term absorption kinetics and thermal stability analysis of hybrid fiber metal laminate and experimental investigations on its physical and tensile properties. <i>Polymer Composites</i> , 2021 , 42, 4155-4165	2.65	1
227	Impact Strength of Hybrid Epoxy Basalt Composites Modified with Mineral and Natural Fillers. <i>ChemEngineering</i> , 2021 , 5, 56	2.6	4
226	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites [A comprehensive review]. <i>Journal of Cleaner Production</i> , 2021 , 310, 127483	10.3	52
225	Effect of coir fiber and inorganic filler hybridization on Innegra fiber-reinforced epoxy polymer composites: physical and mechanical properties. <i>Cellulose</i> , 2021 , 28, 9803-9820	5.5	2
224	UV light triggered self-healing of green epoxy coatings. <i>Construction and Building Materials</i> , 2021 , 305, 124725	6.7	4
223	Fully bio-based agro-waste soy stem fiber reinforced bio-epoxy composites for lightweight structural applications: Influence of surface modification techniques. <i>Construction and Building Materials</i> , 2021 , 303, 124509	6.7	12
222	Recycled LDPE/PETG blends and HDPE/PETG blends: mechanical, thermal, and rheological properties. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 2445-2458	5.5	4
221	Effects of sand and gating architecture on the performance of foot valve lever casting components used in pump industries. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 1653-1666	5.5	
220	A comprehensive review on cellulose, chitin, and starch as fillers in natural rubber biocomposites. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021 , 2, 100095	1.7	8
219	Arsenic removal from water by graphene nanoplatelets prepared from nail waste: A physicochemical study of adsorption based on process optimization, kinetics, isotherm and thermodynamics. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 16, 100564	3.3	2
218	Fabrication and characterization of chicken feather fiber-reinforced polymer composites 2021 , 225-247		0
217	Hybrid nanocomposites based on cellulose nanocrystals/nanofibrils: From preparation to applications 2021 , 223-245		1
216	Effect of TiC Nanoparticles Reinforcement in Coir Fiber Based Bio/Synthetic Epoxy Hybrid Composites: Mechanical and Thermal Characteristics. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 2609	4.5	13
215	Experimental investigation and statistical analysis of additively manufactured onyx-carbon fiber reinforced composites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50338	2.9	2
214	Effect of Al ₂ O ₃ nanofillers in basalt/epoxy composites: Mechanical and tribological properties. <i>Polymer Composites</i> , 2021 , 42, 1727-1740	3	24

213	Extraction and Characterization of Natural Fibers from Citrullus lanatus Climber. <i>Journal of Natural Fibers</i> , 2020 , 1-9	1.8	20
212	Nanocomposite cellulose fabrics with in situ generated silver nanoparticles by bioreduction method. <i>Journal of Industrial Textiles</i> , 2020 , 152808372092473	1.6	2
211	Alkali treated coir/pineapple leaf fibres reinforced PLA hybrid composites: Evaluation of mechanical, morphological, thermal and physical properties. <i>EXPRESS Polymer Letters</i> , 2020 , 14, 717-730 ^{3,4}	3.4	44
210	A comprehensive review on chemical properties and applications of biopolymers and their composites. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 329-338	7.9	14 ⁰
209	Accelerated Weathering and Soil Burial Effect on Biodegradability, Colour and Texture of Coir/Pineapple Leaf Fibres/PLA Biocomposites. <i>Polymers</i> , 2020 , 12,	4.5	38
208	Renewable and sustainable biobased materials: An assessment on biofibers, biofilms, biopolymers and biocomposites. <i>Journal of Cleaner Production</i> , 2020 , 258, 120978	10.3	222
207	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> , 2020 , 28, 2749-2760	4.5	31
206	Mechanical properties of hybrid vetiver/banana fiber mat reinforced vinyl ester composites. <i>Journal of Industrial Textiles</i> , 2020 , 152808372093816	1.6	12
205	Influence of Fibre Inter-ply Orientation on the Mechanical and Free Vibration Properties of Banana Fibre Reinforced Polyester Composite Laminates. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 2789-2800	4.5	12
204	Suitability Evaluation of Sida mysorensis Plant Fiber as Reinforcement in Polymer Composite. <i>Journal of Natural Fibers</i> , 2020 , 1-11	1.8	12
203	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> , 2020 , 28, 2631-2643 ^{4,5}	4.5	13
202	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> , 2020 , 25, 100538 ^{8,2}	8.2	27
201	3D-MID Technology for Surface Modification of Polymer-Based Composites: A Comprehensive Review. <i>Polymers</i> , 2020 , 12,	4.5	4
200	Effect of Process Engineering on the Performance of Hybrid Fiber Composites 2020 , 17-40		1
199	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 ^{4,5}	4.5	34
198	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	4.5	83
197	The unique microsphere of ruthenium manganate: Synthesis, structure elucidation, morphology analyses and magnetic property. <i>Materials Chemistry and Physics</i> , 2020 , 246, 122845	4.4	0
196	Characterization of a novel natural cellulosic fiber from Calotropis gigantea fruit bunch for ecofriendly polymer composites. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 793-801	7.9	55

195	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> , 2020 , 27, 1	2.7	55
194	Accelerated weathering studies of bioepoxy/ionic liquid blends: influence on physical, thermo-mechanical, morphology and surface properties. <i>Materials Research Express</i> , 2020 ,	1.7	4
193	Characterization of discarded fruit waste as substitute for harmful synthetic fiber-reinforced polymer composites. <i>Journal of Materials Science</i> , 2020 , 55, 8513-8525	4.3	13
192	Design and Modeling of Lightweight Polymer Composite Structures 2020 , 193-224		10
191	Green-composites: Ecofriendly and Sustainability 2020 , 13,		40
190	Future Challenges and Applications of Polymer Coatings 2020 , 325-337		1
189	A review on the extraction of pineapple, sisal and abaca fibers and their use as reinforcement in polymer matrix. <i>EXPRESS Polymer Letters</i> , 2020 , 14, 309-335	3.4	26
188	Surface Modification Techniques for the Preparation of Different Novel Biofibers for Composites 2020 , 1-34		19
187	Influence of Fillers on the Thermal and Mechanical Properties of Biocomposites: An Overview 2020 , 111-133		14
186	Improving the Properties of Pineapple Leaf Fibres by Chemical Treatments. <i>Green Energy and Technology</i> , 2020 , 55-71	0.6	5
185	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> , 2020 , 235, 117464	6.7	91
184	Mechanical, microstructural, and thermal characterization insights of pyrolyzed carbon black from waste tires reinforced epoxy nanocomposites for coating application. <i>Polymer Composites</i> , 2020 , 41, 338-349	3	54
183	Mechanistic insight into high response of carbon monoxide gas sensor developed by nickel manganate nanorod decorated reduced graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 589, 124449	5.1	5
182	New Lignocellulosic <i>Aristida adscensionis</i> Fibers as Novel Reinforcement for Composite Materials: Extraction, Characterization and Weibull Distribution Analysis. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 803-811	4.5	29
181	Characterization of Natural Fibers from <i>Cortaderia Selloana</i> Grass (Pampas) as Reinforcement Material for the Production of the Composites. <i>Journal of Natural Fibers</i> , 2020 , 1-9	1.8	33
180	Intermolecular hydrogen bonding in developing nanostructured epoxy shape memory thermosets: Effects on morphology, thermo-mechanical properties and surface wetting. <i>Polymer Testing</i> , 2020 , 81, 106279	4.5	8
179	Extraction and characterization of vetiver grass (<i>Chrysopogon zizanioides</i>) and kenaf fiber (<i>Hibiscus cannabinus</i>) as reinforcement materials for epoxy based composite structures. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 773-778	5.5	29
178	Self-repairing fiber polymer composites: mechanisms and properties 2020 , 71-85		

177	Self-repairing hollow-fiber polymer composites 2020 , 313-326		3
176	Modification of egg shell powder with in situ generated copper and cuprous oxide nanoparticles by hydrothermal method. <i>Materials Research Express</i> , 2020 , 7, 015010	1.7	2
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