

# Mohini Sain

## List of Publications by Citations

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138  
papers

4,887  
citations

34  
h-index

67  
g-index

144  
ext. papers

5,539  
ext. citations

4.1  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
138	Mechanical properties of biodegradable composites from poly lactic acid (PLA) and microcrystalline cellulose (MCC). <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 2014-2025	2.9	609
137	Cellulose microfibrils: A novel method of preparation using high shear refining and cryocrushing. <i>Holzforschung</i> , <b>2005</b> , 59, 102-107	2	315
136	The effect of morphology and chemical characteristics of cellulose reinforcements on the crystallinity of polylactic acid. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 300-310	2.9	288
135	Injection-molded short hemp fiber/glass fiber-reinforced polypropylene hybrid composites Mechanical, water absorption and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 2432-2441	2.9	253
134	Study of Structural Morphology of Hemp Fiber from the Micro to the Nanoscale. <i>Applied Composite Materials</i> , <b>2007</b> , 14, 89-103	2	249
133	Dispersion of soybean stock-based nanofiber in a plastic matrix. <i>Polymer International</i> , <b>2007</b> , 56, 538-546	3.3	156
132	Future Perspectives and Review on Organic Carbon Dots in Electronic Applications. <i>ACS Nano</i> , <b>2019</b> , 13, 6224-6255	16.7	149
131	Thermal and dynamic mechanical properties of cellulose nanofibers reinforced epoxy composites. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 822-828	7.9	146
130	Selected thermoanalytical methods and their applications from medicine to construction. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2007</b> , 90, 653-662	4.1	115
129	Mechanical, morphological and structural properties of cellulose nanofibers reinforced epoxy composites. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 97, 190-200	7.9	107
128	Preparation and Characterization of Sustainable Polyurethane Foams from Soybean Oils. <i>JAACS, Journal of the American Oil Chemists Society</i> , <b>2012</b> , 89, 2103-2111	1.8	91
127	Effects of clay dispersion on the foam morphology of LDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 2129-2134	2.9	91
126	Synthesis and characterization of an extractive-based bio-epoxy resin from beetle infested <i>Pinus contorta</i> bark. <i>Green Chemistry</i> , <b>2014</b> , 16, 3483-3493	10	81
125	Measurement and prediction of thermal conductivity for hemp fiber reinforced composites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 977-983	2.3	81
124	Modification and Characterization of Hemp and Sisal Fibers. <i>Journal of Natural Fibers</i> , <b>2014</b> , 11, 144-168	1.8	74
123	Effect of coupling agents on rice-husk-filled HDPE extruded profiles. <i>Polymer International</i> , <b>2005</b> , 54, 137-142	3.3	65
122	Injection Molded Wheat Straw and Corn Stem Filled Polypropylene Composites. <i>Journal of Polymers and the Environment</i> , <b>2006</b> , 14, 265-272	4.5	60

121	Review on modification strategies of polyethylene/polypropylene immiscible thermoplastic polymer blends for enhancing their mechanical behavior. <i>Journal of Elastomers and Plastics</i> , <b>2019</b> , 51, 291-336	1.6	58
120	Thermal properties and spectral characterization of wood pulp reinforced bio-composite fibers. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 99, 695-701	4.1	58
119	Bacterial cellulose reinforced polyurethane-based resin nanocomposite: A study of how ethanol and processing pressure affect physical, mechanical and dielectric properties. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 2464-2469	10.3	57
118	Flame retarding effects of nanoclay on wood fiber composites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 330-336	2.3	56
117	Preparation and Characterization of Cellulose Nanofibril Films from Wood Fibre and Their Thermoplastic Polycarbonate Composites. <i>International Journal of Polymer Science</i> , <b>2012</b> , 2012, 1-6	2.4	52
116	Rheology, thermal properties, and foaming behavior of high D-content polylactic acid/cellulose nanofiber composites. <i>RSC Advances</i> , <b>2015</b> , 5, 91544-91557	3.7	51
115	Novel bionanocomposites: processing, properties and potential applications. <i>Plastics, Rubber and Composites</i> , <b>2009</b> , 38, 396-405	1.5	51
114	Performance of natural-fiber/plastic composites under stress for outdoor applications: Effect of moisture, temperature, and ultraviolet light exposure. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 2570-2577	2.9	50
113	Mechanical, Thermal, and Morphological Properties of Nanocomposites Based on Polyvinyl Alcohol and Cellulose Nanofiber from Aloe vera Rind. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-7	3.2	47
112	Water absorption of hemp fiber/unsaturated polyester composites. <i>Polymer Composites</i> , <b>2005</b> , 26, 509-525	3.5	47
111	Effects of clay dispersion and content on the rheological, mechanical properties, and flame retardance of HDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 1993-1999	2.9	46
110	Grinding process for the production of nanofibrillated cellulose based on unbleached and bleached bamboo organosolv pulp. <i>Cellulose</i> , <b>2016</b> , 23, 2971-2987	5.5	46
109	Zwitterions for Organic/Perovskite Solar Cells, Light-Emitting Devices, and Lithium Ion Batteries: Recent Progress and Perspectives. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803354	21.8	41
108	The effects of clay dispersion on the mechanical, physical, and flame-retarding properties of wood fiber/polyethylene/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 452-461	2.9	40
107	Water resistant nanopapers prepared by lactic acid modified cellulose nanofibers. <i>Cellulose</i> , <b>2018</b> , 25, 259-268	5.5	39
106	Nanocellulose from Curava Fibers and their Nanocomposites. <i>Molecular Crystals and Liquid Crystals</i> , <b>2010</b> , 522, 42/[342]-52/[352]	0.5	39
105	Understanding the Stress Relaxation Behavior of Polymers Reinforced with Short Elastic Fibers. <i>Materials</i> , <b>2017</b> , 10,	3.5	36
104	Effects of raw fiber materials, fiber content, and coupling agent content on selected properties of polyethylene/wood fiber composites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1678-1687	2.3	32

103	Flexible electrically conductive films based on nanofibrillated cellulose and polythiophene prepared via oxidative polymerization. <i>Carbohydrate Polymers</i> , <b>2019</b> , 220, 79-85	10.3	31
102	Mechanical properties and foaming behavior of cellulose fiber reinforced high-density polyethylene composites. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 2179-2188	2.3	30
101	The Structure and Mechanical Properties of Cellulose Nanocomposites Prepared by Twin Screw Extrusion. <i>ACS Symposium Series</i> , <b>2006</b> , 114-131	0.4	30
100	Regenerated cellulose fibers as impact modifier in long jute fiber reinforced polypropylene composites: Effect on mechanical properties, morphology, and fiber breakage. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	28
99	Determination of Fiber Size Distributions of Injection Moulded Polypropylene/Natural Fibers Using X-ray Microtomography. <i>Advanced Engineering Materials</i> , <b>2008</b> , 10, 126-130	3.5	28
98	High quantum yield photoluminescent N-doped carbon dots for switch sensing and imaging. <i>Talanta</i> , <b>2021</b> , 222, 121663	6.2	28
97	Surface characteristics of untreated and modified hemp fibers. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 269-273	2.3	27
96	The effects of nanoclay on the extrusion foaming of wood fiber/polyethylene nanocomposites. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 1014-1022	2.3	26
95	Effect of water absorption, freezing and thawing, and photo-aging on flexural properties of extruded HDPE/rice husk composites. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 3619-3625	2.9	26
94	Cell interactions and cytotoxic studies of cellulose nanofibers from Curau natural fibers. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 87-95	10.3	25
93	Bio-Treatment of Natural Fibers in Isolation of Cellulose Nanofibres: Impact of Pre-Refining of Fibers on Bio-Treatment Efficiency and Nanofiber Yield. <i>Journal of Polymers and the Environment</i> , <b>2011</b> , 19, 615-621	4.5	25
92	Biopolyamide hybrid composites for high performance applications. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	23
91	Recycling of Paper Mill Biosolids: A Review on Current Practices and Emerging Biorefinery Initiatives. <i>Clean - Soil, Air, Water</i> , <b>2015</b> , 43, 919-926	1.6	22
90	Resin-transfer molding of natural fiber reinforced plastic. I. Kinetic study of an unsaturated polyester resin containing an inhibitor and various promoters. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 2553-2561	2.9	22
89	Characterization of Lignins Isolated from Industrial Residues and their Beneficial Uses. <i>BioResources</i> , <b>2016</b> , 11,	1.3	22
88	Thermal and Physiochemical Characterization of Lignin Extracted from Wheat Straw by Organosolv Process. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 3109-3116	4.5	21
87	Effects of Reaction Parameters on the Glycidyl Etherification of Bark Extractives during Bioepoxy Resin Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1016-1024	8.3	21
86	Covalently grafted carbon nanotube on bacterial cellulose composite for flexible touch screen application. <i>Materials Letters</i> , <b>2013</b> , 107, 247-250	3.3	21

85	Hybrid biocomposites with enhanced thermal and mechanical properties for structural applications. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	21
84	Enhancement of Mechanical Properties of Flax-Epoxy Composite with Carbon Fibre Hybridisation for Lightweight Applications. <i>Materials</i> , <b>2019</b> , 13,	3.5	21
83	A review of electro-stimulated gels and their applications: Present state and future perspectives. <i>Materials Science and Engineering C</i> , <b>2019</b> , 103, 109852	8.3	20
82	Synthesis of Soy-Polyol by Two Step Continuous Route and Development of Soy-Based Polyurethane Foam. <i>Journal of Polymers and the Environment</i> , <b>2010</b> , 18, 437-442	4.5	20
81	Introduction to Cellulose Nanocomposites. <i>ACS Symposium Series</i> , <b>2006</b> , 2-8	0.4	20
80	Variation in Feedstock Wood Chemistry Strongly Influences Biochar Liming Potential. <i>Soil Systems</i> , <b>2019</b> , 3, 26	3.5	19
79	Nanocellulose composites with enhanced interfacial compatibility and mechanical properties using a hybrid-toughened epoxy matrix. <i>Carbohydrate Polymers</i> , <b>2017</b> , 177, 249-257	10.3	19
78	Mechanical Properties and Morphology of Polylactide Composites with Acrylic Impact Modifier. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 2070-2083	1.4	18
77	High Efficiency Solar Membranes Structurally Designed with 3D Core-2D Shell SiO@Amino-Carbon Hybrid Advanced Composite for Facile Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35493-35501	9.5	18
76	Aloe vera rind cellulose nanofibers-reinforced films. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	9	17
75	Effect of mixing conditions on the morphology and performance of fiber-reinforced polyurethane foam. <i>Journal of Cellular Plastics</i> , <b>2015</b> , 51, 103-119	1.5	16
74	Cellulose Microfibers as Reinforcing Agents for Structural Materials. <i>ACS Symposium Series</i> , <b>2006</b> , 169-186	4	16
73	Porous graphitic biocarbon and reclaimed carbon fiber derived environmentally benign lightweight composites. <i>Science of the Total Environment</i> , <b>2019</b> , 664, 363-373	10.2	15
72	Alkaline extraction of xylan from wood using microwave and conventional heating. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	14
71	Effect of bismaleimide reactive extrusion on the crystallinity and mechanical performance of poly(lactic acid) green composites. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 3013-3023	2.9	14
70	Microwave Assisted Short-Time Alkaline Extraction of Birch Xylan. <i>Journal of Polymers and the Environment</i> , <b>2013</b> , 21, 917-929	4.5	14
69	Properties investigation of recycled polylactic acid reinforced by cellulose nanofibrils isolated from bagasse. <i>Polymer Composites</i> , <b>2018</b> , 39, 3740-3749	3	13
68	Commercialization of Wheat Straw as Reinforcing Filler for Commodity Thermoplastics. <i>Journal of Natural Fibers</i> , <b>2009</b> , 6, 83-97	1.8	12

67	Development of high bio-content polypropylene composites with different industrial lignins. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 70-78	3.2	12
66	Effect of Alkyl Phenol from Cashew Nutshell Liquid and Sisal Fiber Reinforcement on Dry Sliding Wear Behavior of Epoxy Resin. <i>Journal of Natural Fibers</i> , <b>2017</b> , 14, 747-758	1.8	11
65	Topochemistry of cellulose nanofibers resulting from molecular and polymer grafting. <i>Cellulose</i> , <b>2017</b> , 24, 2139-2152	5.5	11
64	Graphene oxide modification for enhancing high-density polyethylene properties: a comparison between solvent reaction and melt mixing. <i>Journal of Polymer Engineering</i> , <b>2018</b> , 39, 85-93	1.4	11
63	Cytotoxicity studies of membranes made with cellulose nanofibers from fique macrofibers. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 2581-2590	4.3	10
62	Hybrid Photo- and Thermal Catalyst System for Continuous CO Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33613-33620	9.5	10
61	Thermal and Dimensional Stability of Injection-Molded Sisal-Glass Fiber Hybrid PP Biocomposites. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 1279-1289	4.5	10
60	Effects of styrene-ethylene-butylene-styrene based additives on the mechanical properties of rice hull/polypropylene composites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1148-1155	2.3	10
59	Functionally tuned nanolayered graphene as reinforcement of polyethylene nanocomposites for lightweight transportation industry. <i>Carbon</i> , <b>2020</b> , 169, 99-110	10.4	10
58	Sustainable and lightweight biopolyamide hybrid composites for greener auto parts. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 2052-2060	2.3	9
57	Cellulose nanofibers from the skin of beavertail cactus, <i>Opuntia basilaris</i> , as reinforcements for polyvinyl alcohol. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	9
56	Evaluation of wood composite additives in the mechanical property changes of PE blends. <i>Polymer Composites</i> , <b>2015</b> , 36, 287-293	3	9
55	Investigating the Mechanical Response of Soy-Based Polyurethane Foams with Glass Fibers under Compression at various Rates. <i>Frontiers in Forests and Global Change</i> , <b>2015</b> , 34, 281-298	1.6	9
54	Analysis of Ink/Coating Penetration on Paper Surfaces by Time-of-Flight Secondary Ion Mass Spectrometry (ToF-SIMS) in Conjunction with Principal Component Analysis (PCA) <b>2008</b> , 84, 277-292		9
53	Cure study of an acrylic resin to develop natural fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 757-762	2.9	9
52	Carbon Fibers with High Electrical Conductivity: Laser Irradiation of Mesophase Pitch Filaments Obtains High Graphitization Degree. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 17629-17638	8.3	9
51	Effect of long fiber thermoplastic extrusion process on fiber dispersion and mechanical properties of viscose fiber/polypropylene composites. <i>Polymers for Advanced Technologies</i> , <b>2016</b> , 27, 685-692	3.2	9
50	Modeling and Predicting the Stress Relaxation of Composites with Short and Randomly Oriented Fibers. <i>Materials</i> , <b>2017</b> , 10,	3.5	8

49	Investigation of Structural Changes of Alkaline-extracted Wood Using X-ray Microtomography and X-ray Diffraction: A Comparison of Microwave versus Conventional Method of Extraction. <i>Journal of Wood Chemistry and Technology</i> , <b>2013</b> , 33, 92-102	2	8
48	Acoustic, tomographic, and morphological properties of bismaleimide-modified PLA green composites. <i>Journal of Reinforced Plastics and Composites</i> , <b>2011</b> , 30, 1329-1340	2.9	8
47	Olive fiber reinforced epoxy composites: Dimensional Stability, and mechanical properties. <i>Polymer Composites</i> ,	3	8
46	Comparison of Enzymatic, Alkaline, and UV/H <sub>2</sub> O <sub>2</sub> Treatments for Extraction of Beetle-Infested Lodgepole Pine (BILP) and Aspen Bark Polyphenolic Extractives. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 165-172	8.3	7
45	Evaluation of the Influence of Fibre Length and Concentration on Mechanical Performance of Hemp Fibre Reinforced Polypropylene Composite. <i>Journal of Natural Fibers</i> , <b>2006</b> , 2, 67-84	1.8	7
44	Hetero-Porous, High-Surface Area Green Carbon Aerogels for the Next-Generation Energy Storage Applications. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
43	Impact toughness, viscoelastic behavior, and morphology of polypropylene/ite viscose hybrid composites. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	7
42	Nanocrystalline Cellulose from Microcrystalline Cellulose of Date Palm Fibers as a Promising Candidate for Bio-Nanocomposites: Isolation and Characterization. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
41	Wetting behavior of soy-based resin and unsaturated polyester on surface-modified sisal fiber mat. <i>Journal of Reinforced Plastics and Composites</i> , <b>2015</b> , 34, 807-818	2.9	6
40	Advanced Applications for Lignin Micro- and Nano-based Materials. <i>Current Forestry Reports</i> , <b>2020</b> , 6, 159-171	8	6
39	Improvement in Compressive Behavior of Alkali-treated Wood Fibre-reinforced Bio-based Polyurethane Foams. <i>Frontiers in Forests and Global Change</i> , <b>2014</b> , 33, 139-158	1.6	6
38	Measurement of the Average Permeability of Natural Fibre Mai in Resin Transfer Moulding Application. <i>Polymers and Polymer Composites</i> , <b>2006</b> , 14, 229-238	0.8	6
37	Dispersion of Soybean Stock-Based Nanofiber in Plastic Matrix. <i>ACS Symposium Series</i> , <b>2006</b> , 187-208	0.4	6
36	Permeability and mechanical property correlation of bio based epoxy reinforced with unidirectional sisal fiber mat through vacuum infusion molding technique. <i>Polymer Composites</i> , <b>2017</b> , 38, 2192-2200	3	5
35	Starch-like exopolysaccharide produced by the filamentous fungi <i>Ophiostoma ulmi</i> and <i>O. novo-ulmi</i> . <i>Forest Pathology</i> , <b>2007</b> , 37, 80-95	1.2	5
34	A review of thermoplastic polymer foams for functional applications. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 11579-11604	4.3	5
33	One-pot fabrication of flexible and luminescent nanofilm by in-situ radical polymerization of vinyl carbazole on nanofibrillated cellulose. <i>Carbohydrate Polymers</i> , <b>2021</b> , 262, 117934	10.3	5
32	Cure kinetics characterization of soy-based epoxy resins for infusion moulding process. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 1375-1380	2.3	4

31	Studies on permeability of sisal fibre mat during thermoset resin filling in vacuum infusion process. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 1364-1370	2.3	4
30	Enzymatic modification of secondary sludge by lipase and laccase to improve the nylon/sludge composite properties. <i>Journal of Reinforced Plastics and Composites</i> , <b>2012</b> , 31, 179-188	2.9	4
29	Enhancing cell nucleation of thermoplastic polyolefin foam blown with nitrogen. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	4
28	Biopolymer Substrates in Buccal Drug Delivery: Current Status and Future Trend. <i>Current Medicinal Chemistry</i> , <b>2020</b> , 27, 1661-1669	4.3	4
27	Chemical and Physical Techniques for Surface Modification of Nanocellulose Reinforcements <b>2016</b> , 283-310		4
26	Rapid differentiation of <i>Ophiostoma ulmi</i> and <i>Ophiostoma novo-ulmi</i> isolates by matrix-assisted-laser-desorption/ionization time-of-flight/time-of-flight mass spectrometry. <i>Forest Pathology</i> , <b>2010</b> , 40, 1-6	1.2	3
25	Numerical and Experimental Validation of Natural Fiber Orientation in Viscous Fluid of Injection Cavity. <i>Journal of Natural Fibers</i> , <b>2017</b> , 14, 634-644	1.8	2
24	Model development for work of fracture of hybrid composites. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	2
23	Enhancing Mixing and Thermal Management of Recycled Carbon Composite Systems by Torsion-Induced Phase-to-Phase Thermal and Molecular Mobility. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
22	Effect of Common Chemical Treatments on the Process Kinetics and Mechanical Properties of Flax/Epoxy Composites Manufactured by Resin Infusion. <i>Journal of Polymers and the Environment</i> , <b>2015</b> , 23, 143-155	4.5	2
21	A functionalized renewable carbon-based surface for sensor development. <i>Journal of Solid State Electrochemistry</i> , <b>2021</b> , 25, 1093-1099	2.6	2
20	A Single Crystal Hybrid Ligand Framework of Copper(II) with Stable Intrinsic Blue-Light Luminescence in Aqueous Solution. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
19	The role of nanoclay formations and wood fiber levels on central composite designed polyethylene composites. <i>Journal of Composite Materials</i> , <b>2015</b> , 49, 1127-1139	2.7	1
18	Effect of Natural Fiber Network on Permeability and Tensile Strength of Composites through Vacuum Infusion Process. <i>Journal of Natural Fibers</i> , <b>2017</b> , 14, 278-286	1.8	1
17	Bark depolymerization during submerged fermentation using monofloral honey, a natural mediator substitute, and integration between laccases vs. bark biopolymers, characterized by Py-GC-MS. <i>RSC Advances</i> , <b>2015</b> , 5, 14937-14952	3.7	1
16	Cellulose in Printed Electronics. <i>Materials and Energy</i> , <b>2014</b> , 237-252		1
15	Surface and interface characterization of untreated and SMA Imide-treated hemp fiber/acrylic composites. <i>Polymer Composites</i> , <b>2009</b> , 30, 681-690	3	1
14	Electrochemical Properties of Biobased Carbon Aerogels Decorated with Graphene Dots Synthesized from Biochar. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 4699-4710	4	1



13	Regioselective Protection and Deprotection of Nanocellulose Molecular Design Architecture: Robust Platform for Multifunctional Applications. <i>Biomacromolecules</i> , <b>2021</b> ,	6.9	1
12	Highly electro-responsive composite gel based on functionally tuned graphene filled polyvinyl chloride. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 3679-3688	3.2	1
11	Preliminary Design and Experimental Investigation of a Novel Pneumatic Conveying Method to Disperse Natural Fibers in Thermoset Polymers. <i>Materials</i> , <b>2016</b> , 9,	3.5	1
10	Thermoconformational Behavior of Cellulose Nanofiber Films as a Device Substrate and Their Superior Flexibility and Durability to Glass. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40853-40862	9.5	1
9	Oriented Carbon Fiber Networks by Design from Renewables for Electrochemical Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 12142-12154	8.3	1
8	Olive Cellulosic Fibre Based Epoxy Composites: Thermal and Dynamic Mechanical Properties. <i>Journal of Natural Fibers</i> , 1-13	1.8	1
7	Mechanical performance of modified Polypropylene/Polyamide matrix reinforced with treated recycled carbon fibers for lightweight applications. <i>Journal of Polymer Research</i> , <b>2022</b> , 29, 1	2.7	1
6	Molecular design and structural optimization of nanocellulose-based films fabricated via regioselective functionalization for flexible electronics. <i>Chemical Engineering Journal</i> , <b>2022</b> , 440, 135950	14.7	0
5	Hydrothermally carbonized xylem sap for use in chemosensors, on and off switches, and memory devices. <i>Energy Reports</i> , <b>2022</b> , 8, 3213-3220	4.6	0
4	Investigation on correlation between protein content and moisture absorption-desorption rate of protein coating. <i>International Journal of Plastics Technology</i> , <b>2009</b> , 13, 1-7	2.7	
3	Acoustic Absorption Properties of Polystyrene-Pyrolytic Pinus Resinosa Composite Foams Prepared by Torsion-Induced Extrusion. <i>Macromolecular Materials and Engineering</i> , 2100622	3.9	
2	Multifunctional nanolayered renewable carbon for electromagnetic interference and energy devices. <i>Materials Today Energy</i> , <b>2021</b> , 20, 100778	7	
1	Thermal Properties of Hemp Fiber-Based Hybrid Composites <b>2022</b> , 183-200		