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Green composites from sustainable cellulose nanofibrils: A review

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1151	Physical, chemical and mechanical properties of pehuen cellulosic husk and its pehuen-starch based composites. <i>Carbohydrate Polymers</i> , 2012 , 90, 1550-6	10.3	33
1150	Utilization of peanut husks as a filler in aliphaticâromatic polyesters: Preparation, characterization, and biodegradability. 2012 , 97, 2388-2395		30
1149	Recycled Polycarbonate Blend as Matrix for Development of Polymer Nanocomposite. 2012 , 321-322, 221-224		4
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1147	Viscoelastic Properties of Water Suspensions of Polymer Nanofibers Synthesized via RAFT-Mediated Emulsion Polymerization. 2012 , 45, 5273-5280		39
1146	Bionanocomposites from lignocellulosic resources: Properties, applications and future trends for their use in the biomedical field. 2013 , 38, 1415-1441		179
1145	Soy proteinânanocellulose composite aerogels. 2013 , 20, 2417-2426		71
1144	Behaviour of luffa sponge material under dynamic loading. 2013 , 57, 17-26		50
1143	Hydrophobic Polymers from Food Waste: Resources and Synthesis. 2013 , 53, 627-694		56
1142	Biodegradable self-adhesive tapes with starch carrier. 2013 , 44, 195-199		30
1141	One-step production of nanofibrillated bacterial cellulose (NFBC) from waste glycerol using <i>Gluconacetobacter intermedius</i> NEDO-01. 2013 , 20, 2971-2979		36
1140	Comparative effect of mechanical beating and nanofibrillation of cellulose on paper properties made from bagasse and softwood pulps. <i>Carbohydrate Polymers</i> , 2013 , 97, 725-30	10.3	83
1139	Influence of cotton variety on compression and destructureation abilities under elevated pressure. 2013 , 20, 1013-1022		
1138	Cation-induced hydrogels of cellulose nanofibrils with tunable moduli. 2013 , 14, 3338-45		236

1137	Mechanical Properties of Cellulose-Based Bionanocomposites. 2013 , 437-460		2
1136	Rheological and thermal characteristics of three-phase eco-composites. <i>Carbohydrate Polymers</i> , 2013 , 92, 1006-11	10.3	17
1135	Evaluation of thermodynamic parameters of some amphiphilic drugs in presence of sugars at the cloud point. 2013 , 105, 236-45		31
1134	Reinforcement of wet milled jute nano/micro particles in polyvinyl alcohol films. 2013 , 14, 133-137		56
1133	Dynamic behavior of crosslinked amphiphilic block copolymer nanofibers dispersed in liquid poly(ethylene oxide) below and above their glass transition temperature. 2013 , 9, 2197		23
1132	Production of nanocrystalline cellulose from lignocellulosic biomass: technology and applications. <i>Carbohydrate Polymers</i> , 2013 , 94, 154-69	10.3	743
1131	"Smart" Materials Based on Cellulose: A Review of the Preparations, Properties, and Applications. 2013 , 6, 738-781		336
1130	Unexplored possibilities of all-polysaccharide composites. <i>Carbohydrate Polymers</i> , 2013 , 95, 697-715	10.3	80
1129	Importance of the structure of paper support in gas transfer properties of protein-coated paper. 2013 , 130, 2848-2858		2
1128	Cellulose/iron oxide hybrids as multifunctional pigments in thermoplastic starch based materials. 2013 , 20, 861-871		6
1127	Biocompatible bacterial cellulose-poly(2-hydroxyethyl methacrylate) nanocomposite films. 2013 , 2013, 698141		32
1126	Electrospun cellulosic structure nanofibre based on rice straw. 2013 , 33, 857-873		8
1125	Barrier and mechanical properties of biodegradable poly(ϵ -caprolactone)/cellophane multilayer film. 2013 , 130, 1805-1811		10
1124	Morphological and Thermal Investigations of Cellulosic Bionanocomposites. 2013 , 411-436		5
1123	Compressive Behavior of Luffa Sponge Material at High Strain Rate. 2013 , 535-536, 465-468		5
1122	Valorization of agroindustrial solid residues and residues from biofuel production chains by thermochemical conversion: a review, citing Brazil as a case study. 2013 , 30, 197-230		44
1121	Conversion of lignocellulosic biomass to nanocellulose: structure and chemical process. 2014 , 2014, 631013		235
1120	Biodegradable Composite Films based on κ -carrageenan Reinforced by Cellulose Nanocrystal from Kenaf Fibers. 2014 , 10,		19

1119	Hierarchically Self-Assembled Nanofiber Films from Amylose-Grafted Carboxymethyl Cellulose. 2014 , 2, 34-44	17
1118	Catalytic Extraction of Microcrystalline Cellulose (MCC) from <i>Elaeis guineensis</i> using Central Composite Design (CCD). 2014 , 9,	10
1117	Cellulose Nanocrystals Obtained from <i>Cynara Cardunculus</i> and Their Application in the Paper Industry. 2014 , 6, 5252-5264	19
1116	Cellulose from Lignocellulosic Waste. 2014 , 1-33	6
1115	Microemulsion systems for fiber deconstruction into cellulose nanofibrils. 2014 , 6, 22622-7	48
1114	Development, application and commercialization of transparent paper. 2014 , 1, 015004	42
1113	Preparation and Interaction of Modified PHS and CMC Liquid Composites. 2014 , 1035, 204-211	3
1112	Exploration of a Chemo-Mechanical Technique for the Isolation of Nanofibrillated Cellulosic Fiber from Oil Palm Empty Fruit Bunch as a Reinforcing Agent in Composites Materials. 2014 , 6, 2611-2624	102
1111	Advanced Bacterial Cellulose Composites. 2014 , 147-164	1
1110	A review of poly(lactic acid)-based materials for antimicrobial packaging. 2014 , 79, R1477-90	161
1109	The Synthesis of Cellulose Nanofibers from <i>Sesbania Javanica</i> for Filler in Thermoplastic Starch. 2014 , 56, 318-325	8
1108	Nanocellulose-Based Polymer Nanocomposite: Isolation, Characterization and Applications. 2014 , 273-309	8
1107	Gelling of cellulose nanowhiskers in aqueous suspension. 2014 , 131, n/a-n/a	7
1106	Bacterial Cellulose and its Use in Renewable Composites. 2014 , 89-130	3
1105	Cellulose Nano/Microfibers-Reinforced Polymer Composites: Processing Aspects. 2014 , 255-271	
1104	Cellulose-Based Liquid Crystalline Composite Systems. 2014 , 215-235	2
1103	Superabsorbent hydrogel composites with a focus on hydrogels containing nanofibers or nanowhiskers of cellulose and chitin. 2014 , 131, n/a-n/a	56
1102	Characterization of bionanocomposite films prepared with agar and paper-mulberry pulp nanocellulose. <i>Carbohydrate Polymers</i> , 2014 , 110, 480-8	10.3 212

1101	Bamboo fibers for composite applications: a mechanical and morphological investigation. 2014 , 49, 2559-2566	75
1100	Processing and characterization of natural cellulose fibers/thermoset polymer composites. <i>Carbohydrate Polymers</i> , 2014 , 109, 102-17	10.3 641
1099	Development of bacterial cellulose and poly(vinylidene fluoride) binary blend system: Structure and properties. 2014 , 237, 396-402	19
1098	Ultra-lightweight paper foams: processing and properties. 2014 , 21, 2023-2031	45
1097	Synthesis, Characterization and Nanocomposite Formation of Poly(glycerol succinate-co-maleate) with Nanocrystalline Cellulose. 2014 , 22, 219-226	16
1096	Effect of additives on the cloud point of mixed surfactant (non-ionic Triton X-114+cationic gemini 16-6-16) solutions. 2014 , 194, 206-211	41
1095	Production and modification of nanofibrillated cellulose using various mechanical processes: a review. <i>Carbohydrate Polymers</i> , 2014 , 99, 649-65	10.3 821
1094	Preparation and characterization of conductive nanostructured particles based on polyaniline and cellulose nanofibers. 2014 , 21, 1641-8	36
1093	Mechanical Performance and Transparency of Nanocellulose Reinforced Polymer Nanocomposites. 2014 , 299, 560-568	77
1092	The effect of Fenton chemistry on the properties of microfibrillated cellulose. 2014 , 21, 1489-1503	22
1091	Hydrophobic-modified nano-cellulose fiber/PLA biodegradable composites for lowering water vapor transmission rate (WVTR) of paper. <i>Carbohydrate Polymers</i> , 2014 , 111, 442-8	10.3 162
1090	Preparation of a cellulose and water-based resin composite. 2014 , 123, 70-74	6
1089	Solvent-free acetylation of cellulose nanofibers for improving compatibility and dispersion. <i>Carbohydrate Polymers</i> , 2014 , 102, 369-75	10.3 111
1088	Green Composite of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Reinforced with Porous Cellulose. 2014 , 2, 248-253	37
1087	Microfibrillated Cellulose. 2014 , 1-34	17
1086	Enhancement of nanofibrillation of softwood cellulosic fibers by oxidation and sulfonation. <i>Carbohydrate Polymers</i> , 2014 , 111, 514-23	10.3 14
1085	Nanofibrillated cellulose: surface modification and potential applications. 2014 , 292, 5-31	294
1084	Novel nanostructured paper with ultrahigh transparency and ultrahigh haze for solar cells. 2014 , 14, 765-73	348

1083	Biocomposite cellulose-alginate films: promising packaging materials. 2014 , 151, 343-51		140
1082	Progress Report on Natural Fiber Reinforced Composites. 2014 , 299, 9-26		533
1081	Nanofibrillated Cellulose: Sustainable Nanofiller with Broad Potentials Use. 2014 , 267-305		1
1080	Well defined thermostable cellulose nanocrystals via two-step ionic liquid swelling-hydrolysis extraction. 2014 , 21, 4195-4207		44
1079	Nanocellulose properties and applications in colloids and interfaces. 2014 , 19, 383-396		415
1078	Effect of organic additives and temperature on the micellization of cationic surfactant cetyltrimethylammonium chloride: Evaluation of thermodynamics. 2014 , 199, 511-517		28
1077	Microfibrillated cellulose (MFC): pullulan bionanocomposite films. 2014 , 21, 4323-4335		29
1076	Effect of kenaf fibre loading and thymol concentration on the mechanical and thermal properties of PLA/kenaf/thymol composites. 2014 , 61, 74-83		96
1075	Comparison between coconut and curaua fibers chemically treated for compatibility with PP matrixes. 2014 , 33, 430-439		10
1074	Starch based Active Packaging Film Reinforced with Empty Fruit Bunch (EFB) Cellulose Nanofiber. 2014 , 9, 23-33		41
1073	Enhanced thermal and mechanical properties of PVA composites formed with filamentous nanocellulose fibrils. <i>Carbohydrate Polymers</i> , 2014 , 113, 403-10	10.3	71
1072	Fiber based enzyme-linked immunosorbent assay for C-reactive protein. 2014 , 205, 50-60		24
1071	The state of carboxymethylated nanofibrils after homogenization-aided dilution from concentrated suspensions: a rheological perspective. 2014 , 21, 2357-2368		56
1070	Nanocrystalline cellulose acetate (NCCA)/graphene oxide (GO) nanocomposites with enhanced mechanical properties and barrier against water vapor. 2014 , 21, 3527-3539		70
1069	Agricultural Biomass Raw Materials: The Current State and Future Potentialities. 2014 , 77-100		1
1068	Correlation of the thermal stability and the decomposition kinetics of six different vegetal fibers. 2014 , 21, 177-188		82
1067	Dispersion study of nanofibrillated cellulose based poly(butylene adipate-co-terephthalate) composites. <i>Carbohydrate Polymers</i> , 2014 , 102, 537-42	10.3	51
1066	The use of biomass for packaging films and coatings. 2014 , 819-874		21

1065	Development of a novel controlled-release nanocomposite based on poly(lactic acid) to increase the oxidative stability of soybean oil. 2014 , 31, 1586-97		26
1064	Cellulose acetate and short curau fibers biocomposites prepared by large scale processing: Reinforcing and thermal insulating properties. 2014 , 52, 363-372		17
1063	Thermoset nanocomposites from two-component waterborne polyurethanes and cellulose whiskers. <i>Carbohydrate Polymers</i> , 2014 , 105, 207-13	10.3	45
1062	Surface grafting of reduced graphene oxide using nanocrystalline cellulose via click reaction. 2014 , 16, 1		49
1061	Isolation and characterization of cellulose nanofibers from banana peels. 2014 , 21, 417-432		174
1060	Atomic force microscopic study of chitinase binding onto chitin and cellulose surfaces. 2014 , 15, 1074-7		10
1059	Nanofibrillated cellulose originated from birch sawdust after sequential extractions: a promising polymeric material from waste to films. 2014 , 21, 2587-2598		45
1058	Improvement of polyvinyl alcohol properties by adding nanocrystalline cellulose isolated from banana pseudostems. <i>Carbohydrate Polymers</i> , 2014 , 112, 165-72	10.3	112
1057	Preparation of Chitin-Based Nano-Fibrous and Composite Materials Using Ionic Liquids. 2014 , 383-400		1
1056	Enhancing the Wood Glue Bond Using Cellulose Modified Epoxy. 2015 , 1122, 145-148		
1055	Preparation of Functional Polymer-Grafted Cellulose through Azide Alkyne Cycloaddition or Câ€ Cross-Coupling. 2015 , 62-85		
1054	Preparation of nanocrystalline cellulose from corncob used as reinforcement in separator for lithium ion battery. 2015 ,		1
1053	Cellulose Nanofibers: Synthesis, Properties and Applications. 2015 , 1-37		1
1052	Nanocellulose: Biomedical Nanomaterial Applications. 2015 , 5077-5100		1
1051	Cellulose Nanomaterials. 2015 , 1-22		
1050	Natural Cellulose Fibers: Sources, Isolation, Properties and Applications. 2015 , 25-59		
1049	Pulping of flax raw materials using plasma-chemical treatment. 2015 , 49, 459-464		5
1048	Gender differences in murine pulmonary responses elicited by cellulose nanocrystals. 2016 , 13, 28		59

1047	Optimization of the silane treatment of cellulosic fibers from eucalyptus wood using response surface methodology. 2015 , 132, n/a-n/a	14
1046	Natural polyphenol tannic acid reinforced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) composite films with enhanced tensile strength and fracture toughness. 2015 , 36, 2303-2308	10
1045	Mechanical properties of oil palm biocomposites enhanced with micro to nanobiofillers. 2015 , 401-435	2
1044	Influence of Surface Modification on the Microstructure and Thermo-Mechanical Properties of Bamboo Fibers. 2015 , 8, 6597-6608	73
1043	Preparation of photocrosslinked fish elastin polypeptide/microfibrillated cellulose composite gels with elastic properties for biomaterial applications. 2015 , 13, 338-53	16
1042	Isolation and properties of cellulose nanofibrils from coconut palm petioles by different mechanical process. 2015 , 10, e0122123	34
1041	A Facile Approach to Evaluate Thermal Insulation Performance of Paper Cups. 2015 , 2015, 1-8	2
1040	Effects of Soybean Oil Modified Cellulose Fibril and Organosilane Modified Cellulose Fibril on Crystallization of Polypropylene. 2015 , 2015, 1-9	4
1039	Rheological Properties and Processing of Polymer Blends with Micro- and Nanofibrillated Cellulose. 2015 , 259-291	1
1038	Polymer Nanofibers Reinforced with Cellulose Nanocrystals. 2015 , 323-341	
1037	Cationic nanofibrillar cellulose with high antibacterial properties. <i>Carbohydrate Polymers</i> , 2015 , 131, 224-32	10.3 68
1036	Extraction and Production of Cellulose Nanofibers. 2015 , 81-118	4
1035	An overview of feasibilities and challenge of conductive cellulose for rechargeable lithium based battery. 2015 , 50, 204-213	36
1034	Combined bleaching and hydrolysis for isolation of cellulose nanofibrils from waste sackcloth. <i>Carbohydrate Polymers</i> , 2015 , 131, 152-8	10.3 33
1033	Preparation And Properties Of Bionanocomposite Films Reinforced With Nanocellulose Isolated From Moroccan Alfa Fibres. 2015 , 15, 164-172	25
1032	Does cellulose II exist in native alga cell walls? Cellulose structure of <i>Derbesia</i> cell walls studied with SFG, IR and XRD. 2015 , 22, 3531-3540	8
1031	Crystallinity and Morphological of Cellulose Extraction from <i>Elaeis guineensis</i> Jacquin Frond. 2015 , 819, 251-255	
1030	Polymers and Ionic Liquids: A Successful Wedding. 2015 , 216, 359-368	49

1029	Micellization Behavior of a Cationic Gemini Surfactant, Pentanediyl-1,5-Bis(Dimethylcetylammmonium Bromide): Effect of Asparagine and Temperature. 2015 , 36, 1134-1139		15
1028	Extraction of Cellulose Nanofibers from Cotton Linter and Their Composites. 2015 , 145-164		2
1027	Antimicrobial bacterial cellulose nanocomposites prepared by in situ polymerization of 2-aminoethyl methacrylate. <i>Carbohydrate Polymers</i> , 2015 , 123, 443-53	10.3	49
1026	Cellulosic Nanocomposites from Natural Fibers for Medical Applications: A Review. 2015 , 475-511		11
1025	High quality fluorescent cellulose nanofibers from endemic rice husk: isolation and characterization. <i>Carbohydrate Polymers</i> , 2015 , 122, 308-13	10.3	56
1024	Fabrication of cellulose-based aerogels from waste newspaper without any pretreatment and their use for absorbents. <i>Carbohydrate Polymers</i> , 2015 , 123, 150-6	10.3	107
1023	Design, characterization and preliminary in vitro evaluation of a mucoadhesive polymer based on modified pectin and acrylic monomers with potential use as a pharmaceutical excipient. <i>Carbohydrate Polymers</i> , 2015 , 121, 372-81	10.3	39
1022	Extraction of cellulose nanocrystals from plant sources for application as reinforcing agent in polymers. 2015 , 75, 176-200		280
1021	Mechanically reinforced chitosan/cellulose nanocrystals composites with good transparency and biocompatibility. 2015 , 33, 61-69		34
1020	Wet Explosion: a Universal and Efficient Pretreatment Process for Lignocellulosic Biorefineries. 2015 , 8, 1101-1116		68
1019	Extraction of cellulose nano-crystals from old corrugated container fiber using phosphoric acid and enzymatic hydrolysis followed by sonication. <i>Carbohydrate Polymers</i> , 2015 , 125, 360-6	10.3	126
1018	Preparation of cellulose nanofiber from softwood pulp by ball milling. 2015 , 22, 1729-1741		107
1017	Soy protein isolate/cellulose nanofiber complex gels as fat substitutes: rheological and textural properties and extent of cream imitation. 2015 , 22, 2619-2627		40
1016	Encyclopedia of Polymeric Nanomaterials. 2015 , 155-160		
1015	Wood microstructure as a cellular composite. 2015 , 3-26		8
1014	Processing of wood for wood composites. 2015 , 27-45		5
1013	Anomalous scaling law of strength and toughness of cellulose nanopaper. 2015 , 112, 8971-6		203
1012	Green in-situ synthesized silver nanoparticles embedded in bacterial cellulose nanopaper as a bionanocomposite plasmonic sensor. 2015 , 74, 353-9		95

1011	Fabrication of nanostructured and microstructured chitin materials through gelation with suitable dispersion media. 2015 , 5, 12736-12746		46
1010	Encyclopedia of Polymeric Nanomaterials. 2015 , 1-12		
1009	Preparation of reactive fibre interfaces using multifunctional cellulose derivatives. <i>Carbohydrate Polymers</i> , 2015 , 132, 261-73	10.3	10
1008	Effects of processing on the properties of chitosan/cellulose nanocrystal films. <i>Carbohydrate Polymers</i> , 2015 , 133, 284-93	10.3	112
1007	Regenerated cellulose/multiwalled carbon nanotube composite films with efficient electric heating performance. <i>Carbohydrate Polymers</i> , 2015 , 133, 456-63	10.3	32
1006	Properties and Processing Relationship of Polyhydroxybutyrate and Cellulose Biocomposites. 2015 , 8, 807-813		24
1005	Cellulose Nanofiber for Eco-friendly Polymer Nanocomposites. 2015 , 323-365		5
1004	Multicomponent Polymer Composite/Nanocomposite Systems Using Polymer Matrices from Sustainable Renewable Sources. 2015 , 469-494		2
1003	PCL/PVA nanoencapsulated reinforcing fillers of steam exploded/autoclaved cellulose nanofibrils for tissue engineering applications. 2015 , 5, 23999-24008		27
1002	Green bionanocomposite based on kefir and cellulose nanocrystals produced from beer industrial residues. 2015 , 77, 85-91		51
1001	Cellulose nanocrystals isolated from oil palm trunk. <i>Carbohydrate Polymers</i> , 2015 , 127, 202-8	10.3	120
1000	Rheological behavior of cellulose nanowhisker suspension under magnetic field. <i>Carbohydrate Polymers</i> , 2015 , 126, 240-7	10.3	21
999	Melt polycondensation to improve the dispersion of bacterial cellulose into polylactide via melt compounding: enhanced barrier and mechanical properties. 2015 , 22, 1201-1226		65
998	Vegetal fibers in polymeric composites: a review. 2015 , 25, 9-22		111
997	Biocellulose-based flexible magnetic paper. 2015 , 117, 17B734		21
996	Supramolecular Nanofibrillar Polymer Hydrogels. 2015 , 167-208		14
995	Novel nanocomposites based on fatty acid modified cellulose nanofibers/poly(lactic acid): Morphological and physical properties. 2015 , 5, 21-31		75
994	Electrospun Cellulose Composite Nanofibers. 2015 , 191-227		4

993	Mechanical, thermal and morphological characterization of cellulose fiber-reinforced phenolic foams. 2015 , 75, 367-372	46
992	Electrical and Optical Properties of Nanocellulose Films and Its Nanocomposites. 2015 , 395-432	1
991	Extraction and Characterization of Cellulose Nanofibers from Banana Plant. 2015 , 65-80	2
990	Sustainable Resource based Hyperbranched Epoxy Nanocomposite as an Infection Resistant, Biodegradable, Implantable Muscle Scaffold. 2015 , 3, 1136-1144	19
989	The effect of biomass bulk arrangements on the decomposition pathways in the torrefaction process. 2015 , 81, 679-684	15
988	Click chemistry route to covalently link cellulose and clay. 2015 , 22, 1615-1624	14
987	Poly(vinyl alcohol)/cellulose nanofibril hybrid aerogels with an aligned microtubular porous structure and their composites with polydimethylsiloxane. 2015 , 7, 7436-44	80
986	Consolidation and dewatering of a microfibrillated cellulose fiber composite paper in wet pressing. 2015 , 68, 585-591	12
985	Preparation and characterization of nanocellulose from beer industrial residues using acid hydrolysis/ultrasound. 2015 , 16, 529-536	54
984	A feasibility study on semi industrial nozzleless electrospinning of cellulose nanofiber. 2015 , 6, 193-211	11
983	Life cycle assessment of nanocellulose-reinforced advanced fibre composites. 2015 , 118, 154-162	57
982	The clouding phenomena of mixed surfactant (non-ionic Triton X-114 + cationic gemini 16-5-16) solutions: Influence of inorganic and organic additives on the cloud point. 2015 , 212, 237-244	49
981	Enhanced homogeneity and interfacial compatibility in melt-extruded cellulose nano-fibers reinforced polyethylene via surface adsorption of poly(ethylene glycol)- block -poly(ethylene) amphiphiles. 2015 , 72, 270-281	43
980	Encyclopedia of Polymeric Nanomaterials. 2015 , 118-124	0
979	Extraction and Characterization of Cellulosic Nanowhisker Obtained from Discarded Cotton Fibers. 2015 , 2, 1-7	28
978	Encyclopedia of Polymeric Nanomaterials. 2015 , 98-105	
977	Nanocelluloses from jute fibers and their nanocomposites with natural rubber: Preparation and characterization. 2015 , 81, 768-77	151
976	Heterogeneous modification of softwoods cellulose nanofibers with oleic acid: Effect of reaction time and oleic acid concentration. 2015 , 16, 1715-1722	19

975	Star Telechelic Poly(l-lactide) Ionomers. 2015 , 48, 6580-6588		25
974	Mechanical and thermal properties of sisal fiber reinforced acrylated epoxidized castor oil toughened diglycidyl ether of bisphenol A epoxy nanocomposites. 2015 , 34, 1476-1490		13
973	Hydrogels Nanocomposites Based on Crystals, Whiskers and Fibrils Derived from Biopolymers. 2015 , 43-71		11
972	Nanocellulose-based Translucent Diffuser for Optoelectronic Device Applications with Dramatic Improvement of Light Coupling. 2015 , 7, 26860-4		58
971	Preparation and characterization of epoxidized soybean oil-based paper composite as potential water-resistant materials. 2015 , 132, n/a-n/a		12
970	The role of soil properties and itâ interaction towards quality plant fiber: A review. 2015 , 43, 1006-1015		43
969	Rheological study of reinforcement of agarose hydrogels by cellulose nanowhiskers. <i>Carbohydrate Polymers</i> , 2015 , 116, 117-23	10.3	67
968	Basic effects of pulp refining on fiber properties--a review. <i>Carbohydrate Polymers</i> , 2015 , 115, 785-803	10.3	160
967	New developments in fiber hemp (<i>Cannabis sativa</i> L.) breeding. 2015 , 68, 32-41		156
966	Influence of the Additives on Clouding of Non-Ionic Surfactant Triton X-114 Solutions: Evaluation of Thermodynamics at the CP. 2015 , 36, 1569-1576		18
965	Isolation of micro- and nano-crystalline cellulose particles and fabrication of crystalline particles-loaded whey protein cold-set gel. 2015 , 174, 97-103		35
964	Production of cellulose nanofibrils from bleached eucalyptus fibers by hyperthermostable endoglucanase treatment and subsequent microfluidization. 2015 , 22, 351-361		85
963	Effect of Dextrose and Temperature on the Micellization of Cationic Gemini Surfactant (16-6-16). 2015 , 36, 1029-1035		23
962	A critical review on cellulose: From fundamental to an approach on sensor technology. 2015 , 41, 402-412		173
961	. 2016 ,		1
960	Polymers Extracted from Biomass. 2016 ,		0
959	Irradiation Pretreatment of Tropical Biomass and Biofiber for Biofuel Production. 2016 ,		5
958	Preparation and characterization of nanofibrillated Cellulose/Poly (Vinyl Alcohol) composite films. 2016 , 0-0		5

957	Thermoplastic Starch (TPS)-Cellulosic Fibers Composites: Mechanical Properties and Water Vapor Barrier: A Review. 2016,	12
956	Comparative Study of Microcelluloses Isolated From Two Different Biomasses with Commercial Cellulose. 2016, 11,	3
955	Reinforcement of Poly (Lactic Acid) with Spray-dried Lignocellulosic Material. 2016, 12,	1
954	Glycerine Treated Nanofibrillated Cellulose Composites. 2016, 2016, 1-9	7
953	Using Commercial Enzymes to Produce Cellulose Nanofibers from Soybean Straw. 2016, 2016, 1-10	56
952	Eggshell and Bacterial Cellulose Composite Membrane as Absorbent Material in Active Packaging. 2016, 2016, 1-8	5
951	Functionalization of Cellulose Nanocrystals in Choline Lactate Ionic Liquid. 2016, 9,	14
950	Nanocellulose-Based Polymeric Blends for Food Packaging Applications. 2016, 205-252	13
949	Nanocellulose in Thin Films, Coatings, and Plies for Packaging Applications: A Review. 2016, 12,	160
948	Enrichment of Cellulosic Waste Hemp (<i>Cannabis sativa</i>) Hurd into Non-Toxic Microfibres. 2016, 9,	14
947	Investigation on Polylactide (PLA)/Poly(butylene adipate-co-terephthalate) (PBAT)/Bark Flour of Plane Tree (PF) Eco-Composites. 2016, 9,	13
946	Green Composites Made of Bamboo Fabric and Poly (Lactic) Acid for Packaging Applications-A Review. 2016, 9,	82
945	Modification and Potential Application of Short-Chain-Length Polyhydroxyalkanoate (SCL-PHA). 2016, 8,	59
944	Characterization of Epoxy Composites Reinforced with Wax Encapsulated Microcrystalline Cellulose. 2016, 8,	9
943	Water Susceptibility and Mechanical Properties of Thermoplastic StarchâBectin Blends Reactively Extruded with Edible Citric Acid. 2016, 19, 138-142	11
942	Nanocellulose Produced from Rice Hulls and its Effect on the Properties of Biodegradable Starch Films. 2016, 19, 167-174	52
941	Estudo da estabilidade t�mica e propriedades mec�nicas de nanocomp�sitos de poliamida 6,6 com nanofibras de celulose. 2016, 21, 898-905	1
940	Lignin-coated cellulose nanocrystals as promising nucleating agent for poly(lactic acid). 2016, 126, 1243-1251	27

939	Synthesis of superhydrophobic ultralight aerogels from nanofibrillated cellulose isolated from natural reed for high-performance adsorbents. 2016 , 122, 1		29
938	Nanocellulose induces cellulase production in <i>Trichoderma reesei</i> . 2016 , 51, 1452-1457		8
937	Opportunities for Cellulose Nanomaterials in Packaging Films: A Review and Future Trends. 2016 , 4, 313-326		37
936	Biodegradation Properties of Bioplastic-Based Planting Pots. 2016 , 199-210		
935	Isolation of bacterial cellulose nanocrystalline from pineapple peel waste: Optimization of acid concentration in the hydrolysis method. 2016 ,		3
934	COST-FP1105: Properties of PLA films reinforced with unmodified and acetylated freeze dried nanofibrillated cellulose. 2016 , 70, 1125-1134		8
933	A review on chitosan-cellulose blends and nanocellulose reinforced chitosan biocomposites: Properties and their applications. <i>Carbohydrate Polymers</i> , 2016 , 150, 216-26	10.3	305
932	Solvent resistance of 2,2,6,6-tetramethylpiperidine-1-oxyl (TEMPO) treated cellulose nanofiber film for flexible electronics. 2016 , 23, 1979-1987		17
931	Strategies for development and implementation of bio-based materials as effective renewable resources of energy: A comprehensive review on adsorbent technology. 2016 , 62, 654-664		40
930	Characterization of cellulose nanowhiskers extracted from alfa fiber and the effect of their dispersion methods on nanocomposite properties. 2016 , 30, 1899-1912		11
929	Transparent cellulose/polyhedral oligomeric silsesquioxane nanocomposites with enhanced UV-shielding properties. <i>Carbohydrate Polymers</i> , 2016 , 147, 171-177	10.3	25
928	The fast and effective isolation of nanocellulose from selected cellulosic feedstocks. <i>Carbohydrate Polymers</i> , 2016 , 148, 251-8	10.3	48
927	Nutrient capture and recycling by periphyton attached to modified agrowaste carriers. 2016 , 23, 8035-43		10
926	Engineered emulsions for obesity treatment. 2016 , 52, 90-97		22
925	A comprehensive review on modified clay based composite for energy based materials. 2016 , 61, 466-472		22
924	Characterization of nanocellulose recovery from <i>Elaeis guineensis</i> frond for sustainable development. 2016 , 18, 2503-2512		40
923	Evaluation of mixing efficiency in elaborating of chitosan/cellulose nanocomposite via statistical analyses. 2016 , 93, 703-711		7
922	Chlorine-Free Biomass Processing: Enzymatic Alternatives for Bleaching and Hydrolysis of Lignocellulosic Materials. 2016 , 241-268		

921	Cellulosic Graphene Biocomposites for Versatile High-Performance Flexible Electronic Applications. 2016 , 2, 1600245	35
920	Sonosynthesis of cellulose nanoparticles (CNP) from kenaf fiber: Effects of processing parameters. 2016 , 17, 1352-1358	16
919	Polysaccharide based bionanocomposites, properties and applications: A review. 2016 , 92, 1012-1024	115
918	Introduction for Nanomaterials and Nanocomposites: State of Art, New Challenges, and Opportunities. 2016 , 1-20	5
917	Nanocomposites Based on Cellulose, Hemicelluloses, and Lignin. 2016 , 391-424	3
916	Nanofibrillated cellulose as an additive in papermaking process: A review. <i>Carbohydrate Polymers</i> , 2016 , 154, 151-66	10.3 169
915	Overview of Cellulose Nanomaterials, Their Capabilities and Applications. 2016 , 68, 2383-2394	125
914	Nanocellulose prepared by acid hydrolysis of isolated cellulose from sugarcane bagasse. 2016 , 107, 012045	104
913	Evaluation of novel applications of cellulose hydrogel films reconstituted from acetate and chloride of 1-butyl-3-methylimidazolium by comparing their optical, mechanical, and adsorption properties. 2016 , 8, 108-117	10
912	Functionalized polyacrylonitrile-nanofiber based immunosensor for <i>Vibrio cholerae</i> detection. 2016 , 133,	15
911	Rheological behavior of highly loaded cellulose nanocrystal/poly(vinyl alcohol) composite suspensions. 2016 , 23, 3001-3012	19
910	Bamboo fiber at macro-, micro- and nanoscale for application as reinforcement. 2016 , 4, 41-52	9
909	Qualitative evaluation of microfibrillated cellulose using the crill method and some aspects of microscopy. 2016 , 23, 3611-3624	4
908	Microcrystalline cellulose: Isolation, characterization and bio-composites application-A review. 2016 , 93, 789-804	328
907	Nanotechnology in Agriculture. 2016 , 233-242	28
906	Novel pretreatment pathways for dissolution of lignocellulosic biomass based on ionic liquid and low temperature alkaline treatment. 2016 , 93, 194-200	43
905	Spray-Coated Halloysite-Epoxy Composites: A Means To Create Mechanically Robust, Vertically Aligned Nanotube Composites. 2016 , 8, 20396-406	20
904	Cellulose Microfibrils from Natural Fiber Reinforced Biocomposites and its Applications. 2016 , 55-95	

903	Viscoelastic characteristics of all cellulose suspension and nanocomposite. <i>Carbohydrate Polymers</i> , 2016 , 151, 119-129	10.3	16
902	High water-content thermoresponsive hydrogels via electrostatic macrocrosslinking of cellulose nanofibrils. 2016 , 54, 3415-3424		9
901	Effect of Additives on Self-Association and Clouding Phenomena of Various Surface-Active Drugs. 2016 , 1056-1070		1
900	Effect of Individualized Cellulose Fibrils on Properties of Poly(Methyl Methacrylate) Composites. 2016 , 55, 867-883		2
899	FILLERS âORIGIN, CHEMICAL COMPOSITION, PROPERTIES, AND MORPHOLOGY. 2016 , 13-266		15
898	Preparation of superhydrophobic coating with excellent abrasion resistance and durability using nanofibrillated cellulose. 2016 , 6, 106194-106200		18
897	Facile preparation and separation performances of cellulose nanofibrous membranes. 2016 , 133, n/a-n/a		17
896	Microfibrillated cellulose-reinforced nonedible starch-based thermoset biocomposites. 2016 , 133,		22
895	Characterizations of biodegradable epoxy-coated cellulose nanofibrils (CNF) thin film for flexible microwave applications. 2016 , 23, 1989-1995		11
894	Treatments of plant biomass for cementitious building materials âA review. 2016 , 121, 161-176		67
893	Carbon nanotube/cellulose papers with high performance in electric heating and electromagnetic interference shielding. 2016 , 131, 77-87		90
892	Easy production of cellulose nanofibrils from corn stalk by a conventional high speed blender. 2016 , 93, 39-47		68
891	Cellulose and Other Capsular Polysaccharides of Acetic Acid Bacteria. 2016 , 299-320		2
890	Industrial and crop wastes: A new source for nanocellulose biorefinery. 2016 , 93, 26-38		194
889	Nanofibrillated cellulose/nanographite composite films. 2016 , 23, 2487-2500		8
888	Effect of homogenization (microfluidization) process parameters in mechanical production of micro- and nanofibrillated cellulose on its rheological and morphological properties. 2016 , 23, 1221-1238		64
887	Surface functionalization of nanofibrillated cellulose extracted from wheat straw: Effect of process parameters. <i>Carbohydrate Polymers</i> , 2016 , 150, 48-56	10.3	48
886	Isolation and characterization of cellulose nanofibers from bamboo using microwave liquefaction combined with chemical treatment and ultrasonication. <i>Carbohydrate Polymers</i> , 2016 , 151, 725-734	10.3	102

885	Comparison of the properties of periphyton attached to modified agro-waste carriers. 2016 , 23, 3718-26		5
884	A comparison of partially acetylated nanocellulose, nanocrystalline cellulose, and nanoclay as fillers for high-performance polylactide nanocomposites. 2016 , 133, n/a-n/a		63
883	Extraction and comparison of carboxylated cellulose nanocrystals from bleached sugarcane bagasse pulp using two different oxidation methods. <i>Carbohydrate Polymers</i> , 2016 , 138, 237-43	10.3	133
882	Characterization of nanocelluloses isolated from Ushar (<i>Calotropis procera</i>) seed fiber: Effect of isolation method. 2016 , 168, 146-150		74
881	Self-Association, Mixed Micellization, and Thermodynamic Studies of Sodium Dodecyl Sulfate (SDS) and Hexanediyl-1,6-Bis(Dimethylcetylammmonium Bromide) (16-6-16). 2016 , 37, 1760-1766		6
880	Materials Research for Manufacturing. 2016 ,		4
879	American Process: Production of Low Cost Nanocellulose for Renewable, Advanced Materials Applications. 2016 , 267-302		41
878	Antimicrobial Activity of Silver Ions Released from Zeolites Immobilized on Cellulose Nanofiber Mats. 2016 , 8, 3032-40		85
877	Microcrystalline-cellulose and polypropylene based composite: A simple, selective and effective material for microwavable packaging. <i>Carbohydrate Polymers</i> , 2016 , 142, 133-40	10.3	45
876	Influence of surface modified cellulose microfibrils on the improved mechanical properties of poly (lactic acid). 2016 , 84, 329-39		37
875	State of the art on tribological behavior of polymer matrix composites reinforced with natural fibers in the green materials world. 2016 , 19, 717-736		129
874	The Self-Association and Mixed Micellization of an Anionic Surfactant, Sodium Dodecyl Sulfate, and a Cationic Surfactant, Cetyltrimethylammmonium Bromide: Conductometric, Dye Solubilization, and Surface Tension Studies. 2016 , 37, 1645-1654		29
873	Polyhydroxyalkanoates and Their Nanobiocomposites With Cellulose Nanocrystals. 2016 , 261-285		8
872	The thermal stability of nanocellulose and its acetates with different degree of polymerization. 2016 , 23, 451-464		40
871	Enhanced thermal and mechanical properties of epoxy composites by addition of hyperbranched polyglycerol grown on cellulose fibers. 2016 , 23, 1		9
870	Carbohydrate-Based Advanced Biomaterials for Food Sustainability: A Review. 2016 , 842, 182-195		7
869	StarchâPVA Nanocomposite Film Incorporated with Cellulose Nanocrystals and MMT: A Comparative Study. 2016 , 12, 37-48		56
868	Nanoindentation Measurements of Jute/Poly Lactic Acid Composites. 2016 , 139-154		2

867	In-situ modification of cellulose nanofibrils by organosilanes during spray drying. 2016 , 93, 129-135		18
866	Biomimetic composite scaffolds based on mineralization of hydroxyapatite on electrospun poly(ϵ -caprolactone)/nanocellulose fibers. <i>Carbohydrate Polymers</i> , 2016 , 143, 270-8	10.3	68
865	Transport of microorganisms into cellulose nanofiber mats. 2016 , 6, 24438-24445		26
864	The Micellization and Clouding Phenomena of a Nonionic Surfactant, Poly(ethylene glycol) t-octylphenyl ether (Triton X-100): Effect of (Chloride Salt) Electrolytes. 2016 , 37, 1287-1293		18
863	Double emulsions for the compatibilization of hydrophilic nanocellulose with non-polar polymers and validation in the synthesis of composite fibers. 2016 , 12, 2721-8		21
862	Bifunctional graphene oxide-cellulose nanofibril aerogel loaded with Fe(III) for the removal of cationic dye via simultaneous adsorption and Fenton oxidation. 2016 , 6, 19819-19825		58
861	Fabrication of silk fibroin/cellulose whiskers-chitosan composite porous scaffolds by layer-by-layer assembly for application in bone tissue engineering. 2016 , 51, 4399-4410		36
860	Effects of Drying Strategies and Microfibrillated Cellulose Fiber Content on the Properties of Foam-Formed Paper. 2016 , 36, 235-249		13
859	Characterization of cellulose nanofiber sheets from different refining processes. 2016 , 23, 403-414		33
858	Application of cellulose acetate fibrous membranes in the removal of micro- and submicron solid particulates in drinking water media. 2016 , 57, 15676-15686		3
857	Xyloglucan-Functional Latex Particles via RAFT-Mediated Emulsion Polymerization for the Biomimetic Modification of Cellulose. 2016 , 17, 1414-24		35
856	Thermodynamic and micellization studies of a cationic gemini surfactant 16-6-16: Influence of ascorbic acid and temperature. 2016 , 78, 9-14		8
855	Cellulose Nanocrystals from Forest Residues as Reinforcing Agents for Composites: A Study from Macro- to Nano-Dimensions. <i>Carbohydrate Polymers</i> , 2016 , 139, 139-49	10.3	104
854	Review: nanocelluloses as versatile supports for metal nanoparticles and their applications in catalysis. 2016 , 18, 622-637		394
853	Surface modification of cellulose nanofibers with alkenyl succinic anhydride for high-density polyethylene reinforcement. 2016 , 83, 72-79		82
852	Hierarchically structured MFI zeolite monolith prepared using agricultural waste as solid template. 2016 , 221, 23-31		12
851	Processing of wood-based microfibrillated cellulose and nanofibrillated cellulose, and applications relating to papermaking: a review. 2016 , 23, 93-123		231
850	Property tuning of poly(lactic acid)/cellulose bio-composites through blending with modified ethylene-vinyl acetate copolymer. <i>Carbohydrate Polymers</i> , 2016 , 137, 515-524	10.3	32

849	Surface modification of cellulose nanofibrils by maleated styrene block copolymer and their composite reinforcement application. 2016 , 23, 519-528	19
848	The Micellization and Clouding of Nonionic Surfactant, Poly(Ethylene Glycol) t-Octylphenyl Ether (Triton X-100): Effect of Halide Ions of (Sodium Salt) Electrolytes. 2016 , 37, 1385-1394	15
847	Mechanical characterization of scalable cellulose nano-fiber based composites made using liquid composite molding process. 2016 , 84, 277-284	53
846	Role of Cloud Point of the Capping Agent (Nonionic Surfactant, Triton X-100) on the Synthesis of Silver Nanoparticles. 2016 , 37, 853-859	10
845	An environmentally friendly method for the isolation of cellulose nano fibrils from banana rachis fibers. 2017 , 87, 81-90	9
844	Effect of (chloride salt) electrolytes on the mixed micellization of (equimolar) a cationic gemini (dimeric) surfactant and a cationic conventional (monomeric) surfactant. 2017 , 38, 303-308	13
843	Micellization and mixed micellization of cationic gemini (dimeric) surfactants and cationic conventional (monomeric) surfactants: Conductometric, dye solubilization, and surface tension studies. 2017 , 38, 280-287	18
842	Physical Study of the Primary and Secondary Photothermal Events in Gold/Cellulose Nanocrystals (AuNP/CNC) Nanocomposites Embedded in PVA Matrices. 2017 , 5, 1601-1609	25
841	Bacterial Nano-Cellulose Triboelectric Nanogenerator. 2017 , 33, 130-137	142
840	Recent progress in cellulose nanocrystals: sources and production. 2017 , 9, 1763-1786	545
839	Rheological and Thermo-Mechanical Properties of Poly(lactic acid)/Lignin-Coated Cellulose Nanocrystal Composites. 2017 , 5, 1711-1720	113
838	Characterization of Nanocellulose Using Small-Angle Neutron, X-ray, and Dynamic Light Scattering Techniques. 2017 , 121, 1340-1351	86
837	Wheat straw hemicelluloses added with cellulose nanocrystals and citric acid. Effect on film physical properties. <i>Carbohydrate Polymers</i> , 2017 , 164, 317-324	10.3 68
836	Production of poly-hydroxyalkanoate as secondary metabolite with main focus on sustainable energy. 2017 , 72, 95-104	32
835	Additive Manufacturing of Cellulosic Materials with Robust Mechanics and Antimicrobial Functionality. 2017 , 2, 1600084	71
834	POSS fernlike structure as a support for TiO ₂ nanoparticles in fabrication of superhydrophobic polymer-based nanocomposite surfaces. 2017 , 520, 514-521	14
833	Composite fibers prepared from multi-walled carbon nanotubes/cellulose dispersed/dissolved in ammonium/dimethyl sulfoxide mixed solvent. 2017 , 7, 2186-2192	17
832	Coupling Agent Usage in the Preparation of Cellulose Nanofibril (CNF)- and Cellulose Nanocrystal (CNC)-Based Nanocomposites. 2017 , 335-364	

831	Dynamic Mechanical Characterization of Cellulose Nanofibril CNF- and Cellulose Nanocrystal CNC-Based Nanocomposites. 2017 , 445-479		
830	Surface Modification of Nanocellulose. 2017 , 101-122		13
829	Thermoplastic Cellulose Nanocomposites. 2017 , 175-216		
828	Thermoset Cellulose Nanocomposites: Flammability Characteristics. 2017 , 235-272		2
827	Cellulosic Biocomposites: Potential Materials for Future. 2017 , 69-100		12
826	Methods for Extraction of Nanocellulose from Various Sources. 2017 , 1-49		61
825	Self-healing green composites based on soy protein and microfibrillated cellulose. 2017 , 143, 22-30		29
824	Steady-shear and viscoelastic properties of cellulose nanofibril/banoclay dispersions. 2017 , 24, 1815-1824		14
823	Cellulose nanofibril nanopapers and bioinspired nanocomposites: a review to understand the mechanical property space. 2017 , 5, 16003-16024		153
822	Characterization of Individual Hydrogen Bonds in Crystalline Regenerated Cellulose Using Resolved Polarized FTIR Spectra. 2017 , 2, 1469-1476		61
821	Mechanical reinforcement of gelatin hydrogel with nanofiber cellulose as a function of percolation concentration. 2017 , 103, 226-233		49
820	Preparation and evaluation of polyurethane/cellulose nanowhisiker bimodal foam nanocomposites for osteogenic differentiation of hMSCs. <i>Carbohydrate Polymers</i> , 2017 , 171, 281-291	10.3	38
819	The effect of pre-treatment on the production of lignocellulosic nanofibers and their application as a reinforcing agent in paper. 2017 , 24, 2605-2618		25
818	Ultrastrong and Bioactive Nanostructured Bio-Based Composites. 2017 , 11, 5148-5159		109
817	Polysaccharide nanocrystals as fillers for PLA based nanocomposites. 2017 , 24, 447-478		96
816	Reinforcement of natural rubber latex using lignocellulosic nanofibers isolated from spinifex grass. 2017 , 9, 9510-9519		42
815	Contribution of Residual Proteins to the Thermomechanical Performance of Cellulosic Nanofibrils Isolated from Green Macroalgae. 2017 , 5, 6978-6985		18
814	Exploration of permeability and antifouling performance on modified cellulose acetate ultrafiltration membrane with cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2017 , 174, 190-199	10.3	53

813	Bacterial Nanocellulose Applications for Tissue Engineering. 2017 , 47-66		2
812	An overview on cellulose-based material in tailoring bio-hybrid nanostructured photocatalysts for water treatment and renewable energy applications. 2017 , 103, 1232-1256		95
811	Nanocellulose in Sensing and Biosensing. 2017 , 29, 5426-5446		240
810	Extraction, isolation and characterization of nanocrystalline cellulose from industrial kelp (<i>Laminaria japonica</i>) waste. <i>Carbohydrate Polymers</i> , 2017 , 173, 353-359	10.3	58
809	Nanocomposites based on banana starch reinforced with cellulose nanofibers isolated from banana peels. 2017 , 505, 154-167		99
808	Nanocellulose as a green and sustainable emerging material in energy applications: a review. 2017 , 28, 1583-1594		32
807	Polyethylene cellulose nanofibrils nanocomposites. <i>Carbohydrate Polymers</i> , 2017 , 173, 50-56	10.3	34
806	Topochemistry of cellulose nanofibers resulting from molecular and polymer grafting. 2017 , 24, 2139-2152		11
805	Improving the mechanical properties of CNF films by NMMO partial dissolution with hot calender activation. 2017 , 24, 1691-1704		12
804	Reusable Cellulose-Based Hydrogel Sticker Film Applied as Gate Dielectric in Paper Electrolyte-Gated Transistors. 2017 , 27, 1606755		66
803	Coconut shell powder reinforced thermoplastic polyurethane/natural rubber blend-composites: effect of silane coupling agents on the mechanical and thermal properties of the composites. 2017 , 52, 6712-6725		38
802	Evaluation of Microwave Activity on Starch-Based Nanocomposites Reinforced at Different Loading Fraction Organic-to-Inorganic Nanofillers. 2017 , 56, 1043-1058		
801	Review of Nanocellulose Polymer Composite Characteristics and Challenges. 2017 , 56, 687-731		56
800	Stability enhancement of nanofibrillated cellulose in electrolytes through grafting of 2-acrylamido-2-methylpropane sulfonic acid. 2017 , 24, 731-738		25
799	Chemical and plasma surface modification of lignocellulose coconut waste for the preparation of advanced biobased composite materials. <i>Carbohydrate Polymers</i> , 2017 , 159, 48-57	10.3	54
798	Physicochemical characterization of high-quality bacterial cellulose produced by <i>Komagataeibacter</i> sp. strain W1 and identification of the associated genes in bacterial cellulose production. 2017 , 7, 45145-45155 ²⁸		
797	Quantitative investigations of xylose and arabinose substituents in hydroxypropylated and hydroxyvinylethylated arabinoxylans. <i>Carbohydrate Polymers</i> , 2017 , 175, 671-678	10.3	1
796	Preparation and characterization of poly(ethylene 2,5-furandicarboxylate/nanocrystalline cellulose composites via solvent casting. 2017 , 37, 869-878		19

795	Marine Applications of Natural Fibre-Reinforced Composites: A Manufacturing Case Study. 2017 , 21-47	13
794	Nanocelluloses: Science and Technology. 2017 , 1-24	
793	Organic electrolyte solutions as versatile media for the dissolution and regeneration of cellulose. 2017 , 19, 4754-4768	32
792	Reinforcement effect of poly (methyl methacrylate)-g-cellulose nanofibers on LDPE/thermoplastic starch composites: preparation and characterization. 2017 , 26, 733-742	12
791	doGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS. 2017 , 57, 2401-2406	44
790	Application of Chitin/Chitosan and Its Derivatives as Adsorbents, Coagulants, and Flocculants. 2017 , 453-487	11
789	Cellulose-Nanofiber-Enabled 3D Printing of a Carbon-Nanotube Microfiber Network. 2017 , 1, 1700222	89
788	Review of recent research on flexible multifunctional nanopapers. 2017 , 9, 15181-15205	99
787	Extraction and modification of cellulose nanofibers derived from biomass for environmental application. 2017 , 7, 42750-42773	95
786	Nanocellulose as a sustainable biomass material: structure, properties, present status and future prospects in biomedical applications. 2017 , 9, 14758-14781	150
785	Heteropoly acid supported on silicalite-1 possessing intracrystalline nanovoids prepared using biomass as an efficient and recyclable catalyst for esterification of levulinic acid. 2017 , 547, 237-247	26
784	One-Step Production of Amphiphilic Nanofibrillated Cellulose Using a Cellulose-Producing Bacterium. 2017 , 18, 3432-3438	17
783	Biomimetic adsorption of zwitterionic xyloglucan block copolymers to CNF: towards tailored super-absorbing cellulose materials. 2017 , 7, 14947-14958	12
782	Preparation of Chitin-Based Nanocomposite Materials Through Gelation with Ionic Liquid. 2017 , 97-120	2
781	Enhancement in physicochemical properties of citric acid/nano SiO ₂ treated sustainable wood-starch nanocomposites. 2017 , 24, 4263-4274	5
780	A comparative study of green composites based on tapioca starch and celluloses. 2017 ,	0
779	Environmental and technical feasibility of cellulose nanocrystal manufacturing from sugarcane bagasse. <i>Carbohydrate Polymers</i> , 2017 , 175, 518-529	10.3 37
778	Hydrophobic and porous cellulose nanofibrous screen for efficient particulate matter (PM _{2.5}) blocking. 2017 , 50, 405304	4

777	Effect of preparation process of microfibrillated cellulose-reinforced polypropylene upon dispersion and mechanical properties. 2017 , 24, 3789-3801		15
776	Development of Optimized Edible Packaging Based on White-cheek Shark (<i>Carcharhinus dussumieri</i>) Skin Gelatin Biopolymer: Mechanical, Water Vapor Permeability, and Structural Properties. 2017 , 26, 1244-1258		1
775	Synthesis and characterization of cellulose from locally available rice straw. 2017 ,		17
774	Effect of carboxylic acid groups on the supercapacitive performance of functional carbon frameworks derived from bacterial cellulose. 2017 , 28, 2212-2218		11
773	Woven hybrid Biocomposite: Mechanical properties of woven kenaf bast fibre/oil palm empty fruit bunches hybrid reinforced poly hydroxybutyrate biocomposite as non-structural building materials. 2017 , 154, 155-166		33
772	Lignocellulosic Fibers Composites: An Overview. 2017 , 293-308		1
771	Fibers from Natural Resources. 2017 , 287-309		2
770	Surface Functionalization Through Vapor-Phase-Assisted Surface Polymerization (VASP) on Natural Materials from Agricultural By-Products. 2017 , 355-377		
769	High-performance N-doped MWCNT/GO/cellulose hybrid composites for supercapacitor electrodes. 2017 , 7, 49799-49809		8
768	WtF-Nano: One-Pot Dewatering and Water-Free Topochemical Modification of Nanocellulose in Ionic Liquids or γ -Valerolactone. 2017 , 10, 4879-4890		10
767	The plant cell-wall enzyme AtXTH3 catalyses covalent cross-linking between cellulose and cello-oligosaccharide. 2017 , 7, 46099		44
766	Preparation and crystallization behavior of poly(ethylene 2,5-furandicarboxylate)/cellulose composites by twin screw extrusion. <i>Carbohydrate Polymers</i> , 2017 , 174, 1026-1033	10.3	18
765	A Simple Approach to Prepare Carboxycellulose Nanofibers from Untreated Biomass. 2017 , 18, 2333-2342		92
764	Periphyton. 2017 , 225-249		1
763	Synthesis of bacterial cellulose and bacterial cellulose nanocrystals for their applications in the stabilization of olive oil pickering emulsion. 2017 , 72, 127-135		117
762	Green Biocomposites. 2017 ,		11
761	Nanocrystalline cellulose extracted from pine wood and corncob. <i>Carbohydrate Polymers</i> , 2017 , 157, 1577-1585	10.3	81
760	Effects of Cellulose Nanofibers Filling and Palmitic Acid Emulsions Coating on the Physical Properties of Fish Gelatin Films. 2017 , 12, 23-32		26

759	Nanocellulose in packaging: Advances in barrier layer technologies. 2017 , 95, 574-582		195
758	Rheology of cellulose nanofibrils/silver nanowires suspension for the production of transparent and conductive electrodes by screen printing. 2017 , 394, 160-168		46
757	Isolation and characterization of cellulose nanofibers from cassava root bagasse and peelings. <i>Carbohydrate Polymers</i> , 2017 , 157, 962-970	10.3	86
756	Carbonized cellulose paper as an effective interlayer in lithium-sulfur batteries. 2017 , 396, 637-643		65
755	Engineering nanocomposite membranes: Addressing current challenges and future opportunities. 2017 , 401, 1-15		66
754	Miscanthus Giganteus: A commercially viable sustainable source of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2017 , 155, 230-241	10.3	60
753	Magnetic cellulose/Ag as a novel eco-friendly nanobiocomposite to catalyze synthesis of chromene-linked nicotinonitriles. <i>Carbohydrate Polymers</i> , 2017 , 156, 259-267	10.3	123
752	Thermal properties and crystallinity of PCL/PBSA/cellulose nanocrystals grafted with PCL chains. 2017 , 134,		17
751	Development and material properties of poly(lactic acid)/poly(3-hydroxybutyrate-co- β -hydroxyvalerate)-based nanocrystalline cellulose nanocomposites. 2017 , 134,		4
750	Mechanical and drug release properties of alginate beads reinforced with cellulose. 2017 , 134,		24
749	Preparation, Characterization and Antimicrobial Activity of Sodium Alginate Nanobiocomposite Films Incorporated with Polylysine and Cellulose Nanocrystals. 2017 , 41, e13120		14
748	Aerogel preparation from short cellulose nanofiber of the Eucalyptus species. 2017 , 53, 503-512		9
747	Enhancements in crystallinity, thermal stability, tensile modulus and strength of sisal fibres and their PP composites induced by the synergistic effects of alkali and high intensity ultrasound (HIU) treatments. 2017 , 34, 729-742		60
746	Aminated Cellulose Nanofibers for Selective Removal of Endotoxins from Protein Solutions. 2017 , 46, 194-196		4
745	Producing aerogels from silanized cellulose nanofiber suspension. 2017 , 24, 769-779		52
744	Nanocellulose-based membranes for CO ₂ capture. 2017 , 522, 216-225		65
743	Bionanomaterial from agricultural waste and its application. 2017 , 45-88		4
742	Biomass nanofibrillar cellulose in nanocomposites. 2017 , 305-326		0

741	Nanocellulose. 2017 , 261-276	27
740	Effects of Fructose and Temperature on the Micellization of a Cationic Gemini Surfactant, Pentanediyl-1,5-bis(dimethylcetylammonium) Bromide in Aqueous Solutions. 2017 , 91, 2518-2524	1
739	The Synthesis of a Chemical Stimuli Nanowhiskers of Cellulose (CNWs) Composite Hydrogel. 2017 , 269, 012043	
738	Design of green laminated composites from agricultural biomass. 2017 , 291-311	1
737	Biodegradable polymernanocomposites for packaging applications. 2017 , 329-363	6
736	Chemical Treatment of Waste Abaca for Natural Fiber-Reinforced Geopolymer Composite. 2017 , 10,	47
735	Preparation and Characterization of Cellulose Nanocrystals from the Bio-ethanol Residuals. 2017 , 7,	38
734	Spectroscopy and microscopy of microfibrillar and nanofibrillar composites. 2017 , 279-299	2
733	Aplicaciones biomédicas de biomateriales poliméricos. 2017 , 84, 241	4
732	Nanofibrillated cellulose reinforcement in thermoset polymer composites. 2017 , 1-24	6
731	Recent advances in nanocellulose-based polymer nanocomposites. 2017 , 89-112	9
730	Cellulose-Based Smart Fluids under Applied Electric Fields. 2017 , 10,	23
729	Production of Nanocellulose. 2017 , 41-67	1
728	Applications. 2017 , 105-212	
727	Extraction and Characterization of Microfibers Obtained from Banana Waste. 2017 ,	2
726	Nanofibrillated cellulose as an additive in papermaking process. 2017 , 153-173	3
725	Regiocontrolled synthesis cellulose-graft-polycaprolactone copolymer (2,3-di-O-PCL-cellulose) by a new route. 2017 , 11, 991-1002	3
724	Nanocellulose: a promising material for engineering - an overview. 2017 , 8, 71	6

723	PHBV/cellulose nanofibrils composites obtained by solution casting and electrospinning process. 2017 , 22,		8
722	Nanocellulose as a template for the production of advanced nanostructured material. 2017 , 427-454		3
721	Synthesis and Characterization of Nanocrystalline Cellulose Derived from Pineapple Peel Residues. 2017 , 5, 271-279		16
720	Study of the structure/property relationship of nanomaterials for development of novel food packaging. 2017 , 265-294		1
719	Natural fibers for hydrogels production and their applications in agriculture. 2017 , 66, 495-505		10
718	Rice Straw Extracted Cellulose Biocompatible Nanofiber. 2017 , 6, 1-20		
717	Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. 2018 , 125, 1-41		130
716	Development of high throughput, high precision synthesis platforms and characterization methodologies for toxicological studies of nanocellulose. 2018 , 25, 2303-2319		32
715	Cellulose nanofiber board. <i>Carbohydrate Polymers</i> , 2018 , 187, 133-139	10.3	21
714	Fabrication of (PPC/NCC)/PVA composites with inner-outer double constrained structure and improved glass transition temperature. <i>Carbohydrate Polymers</i> , 2018 , 191, 35-43	10.3	11
713	Rheology of the cellulose nanocrystals filled poly(ϵ -caprolactone) biocomposites. 2018 , 140, 167-178		30
712	Advances in cellulose nanomaterials. 2018 , 25, 2151-2189		221
711	The Influence of Electrolytes on the Mixed Micellization of Equimolar (Monomeric and Dimeric) Surfactants. 2018 , 92, 185-190		2
710	Electrospun nanofiber reinforced composites: a review. 2018 , 9, 2685-2720		336
709	Incorporation of microfibrillated cellulose into collagen-hydroxyapatite scaffold for bone tissue engineering. 2018 , 115, 385-392		36
708	Fiber reinforcement of hydrophilic materials for a low-torque shaft seal in water environment. 2018 , 4, 17-00590-17-00590		2
707	PEG-template for surface modification of zeolite: A convenient material to the design of polypropylene based composite for packaging films. 2018 , 9, 71-77		13
706	Low-Cost, Sustainable, and Environmentally Sound Cellulose Absorbent with High Efficiency for Collecting Methane Bubbles from Seawater. 2018 , 6, 6370-6377		19

705	Mechanical properties of polyamide 11 reinforced with cellulose nanofibres from <i>Triodia pungens</i> . 2018 , 25, 2367-2380	8
704	Evaluation of hybrid-short-coir-fibre-reinforced composites via full factorial design. 2018 , 202, 313-323	25
703	Direct mechanical production of wood nanofibers from raw wood microparticles with no chemical treatment. 2018 , 115, 26-31	29
702	Mechanical and thermal properties of modified red mud-reinforced phenolic foams. 2018 , 67, 528-534	12
701	Combining ex-ante LCA and EHS screening to assist green design: A case study of cellulose nanocrystal foam. 2018 , 178, 494-506	18
700	Bionanocomposites for Packaging Applications. 2018 ,	8
699	Poly(lactic acid)/Cellulose Composites Obtained from Modified Cotton Fibers by Successive Acid Hydrolysis. 2018 , 26, 3149-3158	11
698	Lignocellulosic Composite Materials. 2018 ,	5
697	Mechanical and Thermal Properties of Less Common Natural Fibres and Their Composites. 2018 , 177-213	1
696	Design and Fabrication of Kenaf Fibre Reinforced Polymer Composites for Portable Laptop Table. 2018 , 323-356	3
695	Preparation of acetylated nanofibrillated cellulose from corn stalk microcrystalline cellulose and its reinforcing effect on starch films. 2018 , 111, 959-966	13
694	Fabrication and characterization of cellulose nanofibrils/epoxy nanocomposite foam. 2018 , 53, 4949-4960	15
693	Lignocellulosic Materials of BrazilâTheir Characterization and Applications in Polymer Composites and Art Works. 2018 , 1-96	3
692	Preparation of transparent cellulose film with controlled haze using halloysite nanotubes. 2018 , 25, 1239-1248	12
691	Reuse of Selected Lignocellulosic and Processed Biomasses as Sustainable Sources for the Fabrication of Nanocellulose via Ni(II)-Catalyzed Hydrolysis Approach: A Comparative Study. 2018 , 26, 2825-2844	13
690	Nanocrystalline cellulose as an eco-friendly reinforcing additive to polyurethane coating for augmented anticorrosive behavior. <i>Carbohydrate Polymers</i> , 2018 , 183, 311-318	10.3 29
689	Graphitic carbon nitride embedded in hot-melt adhesive polyester and hydrophilic cellulose blend fibers for the efficient elimination of antibiotics under solar irradiation. 2018 , 453, 110-119	16
688	Production of cellulose nanofibers from Aspen and Bode chopsticks using a high temperature and high pressure steam treatment combined with milling. <i>Carbohydrate Polymers</i> , 2018 , 194, 303-310	10.3 17

687	On the use of acrylated epoxidized soybean oil as a reactive compatibilizer in injection-molded compostable pieces consisting of polylactide filled with orange peel flour. 2018 , 67, 1341-1351	22
686	Polyvinyl alcohol reinforced with crystalline nanocellulose for 3D printing application. 2018 , 15, 236-244	34
685	Hybrid composites based on sisal fibers and silica nanoparticles. 2018 , 39, 146-156	16
684	Hydrogels of poly(2-hydroxyethyl methacrylate) reinforced with nanocrystalline cellulose as candidates for biomaterials. 2018 , 39, E278-E285	7
683	Alkaline Delignification of Cactus Fibres for Pulp and Papermaking Applications. 2018 , 26, 798-806	10
682	Extraction and Characterization of Nanocrystalline Cellulose from Cassava Bagasse. 2018 , 26, 789-797	17
681	Effects of fiber-surface modification on the properties of bamboo flour/polypropylene composites and their interfacial compatibility. 2018 , 38, 157-166	5
680	Development of nanocellulose-reinforced PLA nanocomposite by using maleated PLA (PLA-g-MA). 2018 , 31, 1090-1101	33
679	Combined approaches to obtain cellulose nanocrystals, nanofibrils and fermentable sugars from elephant grass. <i>Carbohydrate Polymers</i> , 2018 , 180, 38-45	10.3 30
678	Functionalized cellulose nanocrystals as reinforcement in biodegradable polymer nanocomposites. 2018 , 39, E9-E29	73
677	Green Synthesis of Copper-Reinforced Cellulose Nanocomposites for Packaging Applications. 2018 , 179-189	4
676	In vitro cytocompatibility of chitosan/PVA/methylcellulose α -Nanocellulose nanocomposites scaffolds using L929 fibroblast cells. 2018 , 449, 574-583	37
675	Progress in the research and applications of natural fiber-reinforced polymer matrix composites. 2018 , 25, 835-846	24
674	Isolation of nanocrystalline cellulose from rice straw and preparation of its biocomposites with chitosan: Physicochemical characterization and evaluation of interfacial compatibility. 2018 , 154, 8-17	67
673	Mechanisms contributing to mechanical property changes in composites of polypropylene reinforced with spray-dried cellulose nanofibrils. 2018 , 25, 439-448	22
672	The potential of tailoring the conditions of steam explosion to produce xylo-oligosaccharides from sugarcane bagasse. 2018 , 250, 221-229	36
671	. 2018 ,	7
670	Construction of cost effective homebuilt spin coater for coating amylose-amylopectin thin films. 2018 , 9, 279	1

669	Multiple Factor Analysis on Preparation of Cellulose Nanofiber by Ball Milling from Softwood Pulp. 2018 , 13,	5
668	Green Resins from Plant Sources and Strengthening Mechanisms. 2018 , 11-55	1
667	Surface modification of cellulose nanocrystals with different acid anhydrides for improved dispersion in poly(butylene succinate).. 2018 , 8, 38305-38314	12
666	Surface functionalisation of microfibrillated cellulose (MFC) of cocoa pod husk with γ Methacryloxypropyltrimethoxysilane (MPS). 2018 , 5, 22000-22009	3
665	Production of nanocellulose from lime residues using chemical-free technology. 2018 , 5, 11095-11100	11
664	A Brief Review of Jute Fibre and Its Composites. 2018 , 5, 28427-28437	49
663	Biomaterial from Oil Palm Waste: Properties, Characterization and Applications. 2018 ,	23
662	. 2018 ,	5
661	Nanocellulose-Based Composites in Biomedical Applications. 2018 , 369-401	1
660	Cellulose Nanofibers: Electrospinning and Nanocellulose Self-Assemblies. 2018 , 67-95	11
659	Nanocellulose, a Versatile Green Platform: From Biosources to Materials and Their Applications. 2018 , 118, 11575-11625	578
658	Specialty Application of Functional Biopolymers. 2018 , 1-48	
657	Dynamic Mechanical Properties of Hemp Nanofibre Reinforced Epoxy Composite. 2018 , 455, 012013	1
656	Fiber-Reinforced Composites. 2018 , 1-30	
655	Applications of cellulose nanomaterials in pharmaceutical science and pharmacology. 2018 , 12, 768-780	16
654	Mechanical, thermal, and water vapor barrier properties of regenerated cellulose/nano-SiO ₂ composite films. 2018 , 25, 7153-7165	20
653	Co-Production of Cellulose Nanocrystals and Fermentable Sugars Assisted by Endoglucanase Treatment of Wood Pulp. 2018 , 11,	18
652	New organic-inorganic hybrid composites based on cellulose nanofibers and modified Laponite. 2018 , 7, 327-334	3

651	A review of extractions of seaweed hydrocolloids: Properties and applications. 2018 , 12, 296-317	69
650	Review of Cellulose Smart Material: Biomass Conversion Process and Progress on Cellulose-Based Electroactive Paper. 2018 , 6, 1-25	17
649	A Novel Approach for the Preparation of Poly(Butylene Succinate) Microparticles. 2018 , 381, 1800118	5
648	Examining the efficiency of mechanic/enzymatic pretreatments in micro/nanofibrillated cellulose production. 2018 , 0-0	4
647	Synergistic Effect of Hybridized Cellulose Nanocrystals and Organically Modified Montmorillonite on κ -Carrageenan Bionanocomposites. 2018 , 8,	15
646	Investigations on short coir fibre reinforced composites via full factorial design. 2018 , 26, 391-399	15
645	Cellulose defibrillation and functionalization by plasma in liquid treatment. 2018 , 8, 15473	27
644	Novel protein-repellent and antimicrobial polysaccharide multilayer thin films. 2018 , 73, 93-103	6
643	Thorium adsorption by oxidized biochar fibres derived from <i>Luffa cylindrica</i> sponges. 2018 , 317, 1065-1070	9
642	Preparation of poly (propylene carbonate)/graphite nanoplates-spherical nanocrystal cellulose composite with improved glass transition temperature and electrical conductivity. 2018 , 168, 63-73	18
641	Influences of saccharides types and initial glucose concentration on microbial cellulose production by <i>G. xylinus</i> . 2018 , 9, 174	1
640	Extraction and characterization of nanocellulose from sugarcane bagasse by ball-milling-assisted acid hydrolysis. 2018 ,	15
639	Influence of the Lignin Content on the Properties of Poly(Lactic Acid)/lignin-Containing Cellulose Nanofibrils Composite Films. 2018 , 10,	25
638	Mesoporous titania films templated by cellulose nanocrystals: morphological and spectrophotometric properties. 2018 , 25, 6591-6602	4
637	Effects of hydrogen bonding on starch granule dissolution, spinnability of starch solution, and properties of electrospun starch fibers. 2018 , 153, 643-652	22
636	Improved Cellulose Nanofibril Dispersion in Melt-Processed Polycaprolactone Nanocomposites by a Latex-Mediated Interphase and Wet Feeding as LDPE Alternative. 2018 , 1, 2669-2677	21
635	A systematic literature review on less common natural fibres and their biocomposites. 2018 , 195, 240-267	65
634	Fabrication and cytotoxicity assessment of cellulose nanofibrils using <i>Bassia eriophora</i> biomass. 2018 , 117, 911-918	15

633	Preparation and characterization of cellulose/N,N'-methylene bisacrylamide/graphene oxide hybrid hydrogels and aerogels. <i>Carbohydrate Polymers</i> , 2018 , 196, 289-298	10.3	33
632	Sugarcane bagasse fiber and its cellulose nanocrystals for polymer reinforcement and heavy metal adsorbent: a review. 2018 , 25, 4303-4330		56
631	Characteristics of cellulose extracted from Josapine pineapple leaf fibre after alkali treatment followed by extensive bleaching. 2018 , 25, 4407-4421		37
630	Nanocellulose: Extraction and application. 2018 , 1, 32-43		350
629	All-cellulose composites based on the self-reinforced effect. 2018 , 9, 42-53		35
628	Assessment the performance and morphological structures of asymmetric PES/surfactant membranes for nanofiltration of dyes wastewater. 2018 , 9, 137		2
627	Characterization of pulp derived nanocellulose hydrogels using AVAP [®] technology. <i>Carbohydrate Polymers</i> , 2018 , 198, 270-280	10.3	24
626	Cellulose-Based Hydrogel for Industrial Applications. 2018 , 1-41		1
625	Natural fiber reinforced vinyl polymer composites. 2018 , 27-70		13
624	Recent Strategies in Preparation of Cellulose Nanocrystals and Cellulose Nanofibrils Derived from Raw Cellulose Materials. 2018 , 2018, 1-25		92
623	Green Nanotechnology for Biomedical, Food, and Agricultural Applications. 2018 , 1-18		1
622	Cellulose crystals plastify by localized shear. 2018 , 115, 7260-7265		25
621	Ester Crosslinking Enhanced Hydrophilic Cellulose Nanofibrils Aerogel. 2018 , 6, 11979-11988		30
620	Incorporation of Filler/Additives in Polymer Gel for Advanced Application. 2018 , 445-492		1
619	Electrochemical immunosensor based on magnetite nanoparticles incorporated electrospun polyacrylonitrile nanofibers for Vitamin-D detection. 2018 , 93, 145-156		44
618	Bio-polyethylene reinforced with thermomechanical pulp fibers: Mechanical and micromechanical characterization and its application in 3D-printing by fused deposition modelling. 2018 , 153, 70-77		59
617	Annealing and saponification of electrospun cellulose-acetate nanofibers used as reinforcement materials for composites. 2018 , 113, 158-165		22
616	Advances in biopolymer-based membrane preparation and applications. 2018 , 564, 562-586		148

615	Photoluminescent spray-coated paper sheet: Write-in-the-dark. <i>Carbohydrate Polymers</i> , 2018 , 200, 154-161.	37
614	Cellulose Nanocrystals for Health Care Applications. 2018 , 415-459	12
613	Facile Fabrication of 100% Bio-based and Degradable Ternary Cellulose/PHBV/PLA Composites. 2018 , 11,	13
612	Recent Advances in Modified Cellulose for Tissue Culture Applications. 2018 , 23,	72
611	Nanofiller Reinforced Biodegradable PLA/PHA Composites: Current Status and Future Trends. 2018 , 10,	86
610	Cellulose Aerogels: Synthesis, Applications, and Prospects. 2018 , 10,	170
609	Novel Nanofibrillated Cellulose/Chitin Whisker Hybrid Nanocomposites and their Use for Mechanical Performance Enhancements. 2018 , 13,	5
608	DFT Optimization of Isolated Molecular Chain Sheet Models Constituting Native Cellulose Crystal Structures. 2018 , 3, 8050-8058	12
607	Comparative properties of nanofibers produced using unbleached and bleached wheat straw pulps. 2018 , 33, 439-447	1
606	Nanocellulose in Food Packaging. 2018 , 297-329	3
605	Effect of Hydrolysis Conditions of Organosolv Pulp from Kenaf Fibers on the Physicochemical Properties of the Obtained Nanocellulose. 2018 , 54, 193-198	14
604	Comparison of structural, thermal and proton conductivity properties of micro- and nanocelluloses. <i>Carbohydrate Polymers</i> , 2018 , 200, 536-542	10,3 25
603	Synthesis of Nanofibrillated Cellulose by Combined Ammonium Persulphate Treatment with Ultrasound and Mechanical Processing. 2018 , 8,	25
602	Effect of Microfibrillated Cellulose on Microstructure and Properties of Poly(vinyl alcohol) Foams. 2018 , 10,	10
601	Manufacturing process centered on dry-pulp direct kneading method opens a door for commercialization of cellulose nanofiber reinforced composites. 2018 , 354, 563-568	35
600	Preparation of conductive cellulose paper through electrochemical exfoliation of graphite: The role of anionic surfactant ionic liquids as exfoliating and stabilizing agents. <i>Carbohydrate Polymers</i> , 2018 , 201, 48-59	10,3 8
599	Fabrication and characterization of the bionanocomposite film based on whey protein biopolymer loaded with TiO ₂ nanoparticles, cellulose nanofibers and rosemary essential oil. 2018 , 124, 300-315	104
598	Ultralight super-hydrophobic carbon aerogels based on cellulose nanofibers/poly(vinyl alcohol)/graphene oxide (CNFs/PVA/GO) for highly effective oil-water separation. 2018 , 9, 508-519	38

597	Rheological and mechanical properties of polylactide nanocomposites reinforced with the cellulose nanofibers with various surface treatments. 2018 , 25, 3955-3971		34
596	Green and facile surface modification of cellulose nanocrystal as the route to produce poly(lactic acid) nanocomposites with improved properties. <i>Carbohydrate Polymers</i> , 2018 , 197, 204-214	10.3	39
595	Effect of ultrasonication on physicochemical properties of apple based nanocellulose-calcium carbonate composites. 2018 , 25, 4603-4621		24
594	Thermal Behavior of Bacterial Cellulose Based Hydrogels with Other Composites and Related Instrumental Analysis. 2018 , 1-25		1
593	Lignocellulosic Materials and Their Use in Bio-based Packaging. 2018 ,		8
592	Lignocellulosic Materials: Sources and Processing Technologies. 2018 , 13-33		3
591	Functional Properties of Lignocellulosic Materials. 2018 , 35-47		1
590	A Review on Peanut Shell Powder Reinforced Polymer Composites. 2019 , 58, 349-365		19
589	Mechanical Characterization of Cellulose Nanofibril Materials Made by Additive Manufacturing. 2019 , 43-45		3
588	Cinnamate-Functionalized Natural Carbohydrates as Photopatternable Gate Dielectrics for Organic Transistors. 2019 , 31, 7608-7617		14
587	Recyclable nanocomposite foams of Poly(vinyl alcohol), clay and cellulose nanofibrils – Mechanical properties and flame retardancy. 2019 , 182, 107762		13
586	Direct esterification of reinforced papers by immersion method and evaluation of their properties. 2019 , 53, 1035-1050		2
585	Regenerated cellulose-dispersed polystyrene composites enabled via Pickering emulsion polymerization. <i>Carbohydrate Polymers</i> , 2019 , 223, 115079	10.3	16
584	Oil palm microfiber-reinforced handsheet-molded thermoplastic green composites for sustainable packaging applications. 2019 , 35, 173-187		2
583	Thermally-induced cellulose nanofibril films with near-complete ultraviolet-blocking and improved water resistance. <i>Carbohydrate Polymers</i> , 2019 , 223, 115050	10.3	16
582	Biocomposite Reinforced with Nanocellulose for Packaging Applications. 2019 , 83-123		2
581	Reactive Melt Mixing of Poly(3-Hydroxybutyrate)/Rice Husk Flour Composites with Purified Biosustainably Produced Poly(3-Hydroxybutyrate--3-Hydroxyvalerate). 2019 , 12,		22
580	Facile extraction of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2019 , 223, 115114	10.3	39

579	Aerogel Perfusion-Prepared h-BN/CNF Composite Film with Multiple Thermally Conductive Pathways and High Thermal Conductivity. 2019 , 9,	17
578	Poly(Ecaprolactone)-based biocomposites reinforced with nanocrystalline cellulose grafted with poly(L-lactic acid). 2019 , 500, 012021	5
577	Application of Biodegradable and Biocompatible Nanocomposites in Electronics: Current Status and Future Directions. 2019 , 9,	52
576	Electron Beam Irradiation Isolates Cellulose Nanofiber from Korea "Tall Goldenrod" Invasive Alien Plant Pulp. 2019 , 9,	9
575	Graphene two-dimensional crystal prepared from cellulose two-dimensional crystal hydrolysed from sustainable biomass sugarcane bagasse. 2019 , 241, 118209	15
574	Cellulose nanofibers from lignocellulosic biomass of lemongrass using enzymatic hydrolysis: characterization and cytotoxicity assessment. 2019 , 27, 683-693	16
573	Automatic Modulation Recognition of Radar Signals Based on Manhattan Distance-Based Features. 2019 , 7, 41193-41204	9
572	Extraction of Cellulose Nanofibers via Eco-friendly Supercritical Carbon Dioxide Treatment Followed by Mild Acid Hydrolysis and the Fabrication of Cellulose Nanopapers. 2019 , 11,	25
571	. 2019 ,	17
570	Preparation and Characterization of Soy Protein Isolate-Based Nanocomposite Films with Cellulose Nanofibers and Nano-Silica via Silane Grafting. 2019 , 11,	15
569	Advanced Functional Materials from Nanopolysaccharides. 2019 ,	7
568	Advances in Sustainable Polymers. 2019 ,	5
567	PGLu-Modified Nanocrystalline Cellulose Improves Mechanical Properties, Biocompatibility, and Mineralization of Polyester-Based Composites. 2019 , 12,	4
566	Influence of Different Pretreatments on the Antibacterial Properties of Chitosan Functionalized Viscose Fabric: TEMPO Oxidation and Coating with TEMPO Oxidized Cellulose Nanofibrils. 2019 , 12,	11
565	Nanocellulose isolation characterization and applications: a journey from non-remedial to biomedical claims. 2019 , 2, 187-212	21
564	Monodisperse Highly Ordered and Polydisperse Biobased Solid Foams. 2019 ,	2
563	Graphene/Carbon Paper Combined with Redox Active Electrolyte for Supercapacitors with High Performance. 2019 , 11,	5
562	Production of Nanocellulose and Its Applications in Drug Delivery: A Critical Review. 2019 , 7, 15800-15827	85

561	Protein nanofibrils: Preparation, properties, and possible applications in industrial nanomaterials. 2019 , 29-63	11
560	Green Composite Materials from Biopolymers Reinforced with Agroforestry Waste. 2019 , 27, 2651-2673	24
559	Sulfo-functional 3D porous cellulose/graphene oxide composites for highly efficient removal of methylene blue and tetracycline from water. 2019 , 140, 119-128	23
558	Preparation and Characterization of Nanocelluloses from Oil Palm Empty Fruit Bunch Cellulose. 2019 , 98, 194-201	2
557	The influence of bio-fibers from different pulping processes on the pulp-poly(lactic acid) composites (PPCs) properties from sugarcane bagasse. 2019 , 34, 239-249	2
556	Jute Based Bio and Hybrid Composites and Their Applications. 2019 , 7, 77	26
555	Epoxy Composites with Reduced Graphene Oxide-Cellulose Nanofiber Hybrid Filler and Their Application in Concrete Strain and Crack Monitoring. 2019 , 19,	6
554	Impact of thermal processing or solvent casting upon crystallization of PLA nanocellulose and/or nanoclay composites. 2019 , 136, 47486	13
553	Extraction of Cellulose Nanofibers and Their Eco/Friendly Polymer Composites. 2019 , 37-64	8
552	Beyond ethanol, sugar, and electricity: a critical review of product diversification in Brazilian sugarcane mills. 2019 , 13, 809-821	18
551	Processing and Industrial Applications of Sustainable Nanocomposites Containing Nanofillers. 2019 , 451-478	1
550	Nanoparticles and textile technology. 2019 , 181-217	4
549	Cellulose nanocrystals reinforced Carrageenan based UV resistant transparent bionanocomposite films for sustainable packaging applications. <i>Carbohydrate Polymers</i> , 2019 , 211, 181-194	10,3 91
548	Functionalizing Cellulose Nanocrystals with Click Modifiable Carbohydrate-Binding Modules. 2019 , 20, 3087-3093	10
547	Cellulose Nanocrystals as a Sustainable Raw Material: Cytotoxicity and Applications on Healthcare Technology. 2019 , 304, 1900092	22
546	Natural Rubber Composites Filled with Crop Residues as an Alternative to Vulcanizates with Common Fillers. 2019 , 11,	32
545	A comprehensive characterization of ice nucleation by three different types of cellulose particles immersed in water. 2019 , 19, 4823-4849	33
544	Highly Filled Papers, on their Manufacturing, Processing, and Applications. 2019 , 21, 1900180	10

543	Mechanical Properties of Cellulose Nanocrystal (CNC) Bundles: Coarse-Grained Molecular Dynamic Simulation. 2019 , 3, 57	20
542	Biotemplated synthesis of cellulose nanocrystal@PVP-assisted polydopamine@Ag nanoparticle as conductive composites. 2019 , 30, 12077-12086	3
541	Fiber-Reinforced Composites. 2019 , 417-446	4
540	Modifications of microcrystalline cellulose (MCC), nanofibrillated cellulose (NFC), and nanocrystalline cellulose (NCC) for antimicrobial and wound healing applications. 2019 , 19, 103-119	53
539	Cellulose Nanocrystals: Particles and Polymer Nanocomposites. 2019 , 395-434	2
538	A combined homogenization-high intensity ultrasonication process for individualizaion of cellulose micro-nano fibers from rice straw. 2019 , 26, 5831-5849	41
537	Contribution of hemicellulose to cellulose nanofiber-based nanocomposite films with enhanced strength, flexibility and UV-blocking properties. 2019 , 26, 6023-6034	29
536	Enhanced Interfacial Adhesion of Polylactide/Poly(ϵ -caprolactone)/Walnut Shell Flour Composites by Reactive Extrusion with Maleinized Linseed Oil. 2019 , 11,	17
535	Sugar palm (<i>Arenga pinnata</i> (Wurmb.) Merr) cellulosic fibre hierarchy: a comprehensive approach from macro to nano scale. 2019 , 8, 2753-2766	152
534	Microfibrillated cellulose modified with urea and its reinforcement for starch-based bionanocomposites. 2019 , 26, 5981-5993	10
533	Structural and functional modification of cellulose nanofibrils using graft copolymerization with glycidyl methacrylate by Fe ²⁺ +thiourea dioxide/H ₂ O ₂ redox system. 2019 , 26, 4853-4864	17
532	Surface Structure Patterning for Fabricating Non-fluorinated Superhydrophobic Cellulosic Membranes. 2019 , 1, 1220-1229	13
531	Strong ultralight foams based on nanocrystalline cellulose for high-performance insulation. <i>Carbohydrate Polymers</i> , 2019 , 218, 103-111	10.3 16
530	The Effect of Nanofillers on the Functional Properties of Biopolymer-based Films: A Review. 2019 , 11,	114
529	Fabrication of stable copper nanoparticles embedded in nanocellulose film as a bionanocomposite plasmonic sensor and thereof for optical sensing of cyanide ion in water samples. 2019 , 26, 4945-4956	9
528	Micro Crystalline Bamboo Cellulose Based Seaweed Biodegradable Composite Films for Sustainable Packaging Material. 2019 , 27, 1602-1612	30
527	Lignocellulose-Based Nanoparticles and Nanocomposites: Preparation, Properties, and Applications. 2019 , 41-69	9
526	Production of bioplastic through food waste valorization. 2019 , 127, 625-644	200

525	Chitin nano-whiskers (CNWs) as a bio-based bio-degradable reinforcement for epoxy: evaluation of the impact of CNWs on the morphological, fracture, mechanical, dynamic mechanical, and thermal characteristics of DGEBA epoxy resin.. 2019 , 9, 11063-11076	9
524	Lignocellulose Structure and the Effect on Nanocellulose Production. 2019 , 17-30	2
523	Rheology of the sesame oil-in-water emulsions stabilized by cellulose nanofibers. 2019 , 94, 114-127	47
522	Morphological, Mechanical and Thermal Properties of Poly(lactic acid) (PLA)/Cellulose Nanofibrils (CNF) Composites Nanofiber for Tissue Engineering. 2019 , 34, 207-215	31
521	Eco-friendly sodium bicarbonate treatment and its effect on epoxy and polyester coir fibre composites. 2019 , 211, 427-436	36
520	Coconut oil-cellulose beaded microfibers by coaxial electrospinning: An eco-model system to study thermoregulation of confined phase change materials. 2019 , 26, 1855-1868	13
519	A facile ionic liquid approach to prepare cellulose-rich aerogels directly from corn stalks. 2019 , 21, 2699-2708	21
518	Highly Toughened and Transparent Biobased Epoxy Composites Reinforced with Cellulose Nanofibrils. 2019 , 11,	25
517	Role of Cellulose Nanofibrils in Polymer Nanocomposites. 2019 , 251-276	3
516	Compression Behavior of Biodegradable Thermoplastic Plasticizer-Containing Composites. 2019 , 51, 18-25	3
515	Methodologies for Assessing Risks of Accidents in Chemical Process Industries. 2019 , 19, 623-648	10
514	Fabrication of thermo- and pH-sensitive cellulose nanofibrils-reinforced hydrogel with biomass nanoparticles. <i>Carbohydrate Polymers</i> , 2019 , 215, 289-295	10.3 46
513	Carbon Fibers Encapsulated with Nano-Copper: A Core-Shell Structured Composite for Antibacterial and Electromagnetic Interference Shielding Applications. 2019 , 9,	18
512	Structure and Properties of Cellulose Nanofibrils. 2019 , 53-80	2
511	Reinforcement of layer-by-layer self-assembly coating modified cellulose nanofibers to reduce the flammability of polyvinyl alcohol. 2019 , 26, 3183-3192	5
510	Ammonia-sensing ability of differently structured hydroxyapatite blended cellulose nanofibril composite films. 2019 , 26, 3325-3337	17
509	Preparation of cellulose nanofibers from Miscanthus x. Giganteus by ammonium persulfate oxidation. <i>Carbohydrate Polymers</i> , 2019 , 212, 30-39	10.3 15
508	Hydrophobic cellulose ester as a sustainable material for simple and efficient water purification processes from fatty oils contamination. 2019 , 53, 249-261	9

507	Extraction of cellulose nanofibers from <i>cocos nucifera</i> var <i>aurantiaca</i> peduncle by ball milling combined with chemical treatment. <i>Carbohydrate Polymers</i> , 2019 , 212, 312-322	10.3	31
506	Microbial Cellulose from a <i>Komagataeibacter intermedius</i> Strain Isolated from Commercial Wine Vinegar. 2019 , 27, 956-967		9
505	A facile synthesis of CuAg nanoparticles on highly porous ZnO/carbon black-cellulose acetate sheets for nitroarene and azo dyes reduction/degradation. 2019 , 130, 288-299		48
504	Extraction of Nano Cellulose Fibres and Their Eco-friendly Polymer Composite. 2019 , 245-257		1
503	The Influences of Different Bamboo Filler Loading on Tensile Properties and Impact Strength of RHDPE/BF Composites. 2019 , 557, 012069		0
502	Insights of Bacterial Cellulose: Bio and Nano-Polymer Composites Toward Industrial Application. 2019 , 339-356		
501	A Three-Dimensional Strain Rosette Sensor Based on Graphene Composite with Piezoresistive Effect. 2019 , 2019, 1-12		1
500	. 2019 ,		2
499	Preparation and Properties of Nanocellulose from <i>Miscanthus x giganteus</i> . 2019 , 2019, 1-8		11
498	A Review of the Compositions, Processing, Materials and Properties of Brake Pad Production. 2019 , 1378, 032103		0
497	Effect of chemical modification of fiber surface on natural fiber composites: A review. 2019 , 18, 3428-3434		26
496	Properties of Cellulose Nanofibers Prepared from Recycled Pulp Fiber Using the Aqueous Counter Collision Method. 2019 , 75, 140-144		1
495	Cellulose an ageless renewable green nanomaterial for medical applications: An overview of ionic liquids in extraction, separation and dissolution of cellulose. 2019 , 129, 750-777		61
494	Fabrication and characterization of emulsified and freeze-dried epoxy/cellulose nanofibril nanocomposite foam. 2019 , 26, 1769-1780		3
493	Evaluation of cellular attachment and proliferation on different surface charged functional cellulose electrospun nanofibers. <i>Carbohydrate Polymers</i> , 2019 , 207, 796-805	10.3	31
492	Cellulose nanofibrils as reinforcing agents for PLA-based nanocomposites: An in situ approach. 2019 , 171, 94-102		44
491	Super Gas Barrier and Fire Resistance of Nanoplatelet/Nanofibril Multilayer Thin Films. 2019 , 6, 1801424		33
490	Enhancement of basic properties of polysaccharide-based composites with organic and inorganic fillers: A review. 2019 , 136, 47251		37

489	Cellulose nanocrystals from rice and oat husks and their application in aerogels for food packaging. 2019 , 124, 175-184	60
488	Rheological and mechanical properties of polypropylene composites containing microfibrillated cellulose (MFC) with improved compatibility through surface silylation. 2019 , 26, 1085-1097	11
487	Production and modification of nanofibrillated cellulose composites and potential applications. 2019 , 115-141	5
486	Poly(lactic acid)/Cellulose Films Produced from Composite Spheres Prepared by Emulsion-Solvent Evaporation Method. 2019 , 11,	18
485	Thermal Behavior of Bacterial Cellulose-Based Hydrogels with Other Composites and Related Instrumental Analysis. 2019 , 763-787	
484	Cellulose-Based Hydrogel for Industrial Applications. 2019 , 909-949	1
483	A comparative study on the starch-based biocomposite films reinforced by nanocellulose prepared from different non-wood fibers. 2019 , 26, 2425-2435	30
482	Mechanical reinforcement and thermal properties of PVA tricomponent nanocomposites with chitin nanofibers and cellulose nanocrystals. 2019 , 116, 147-157	41
481	Emerging Cellulose-Based Nanomaterials and Nanocomposites. 2019 , 307-351	12
480	Review of the main factors controlling the fracture toughness and impact strength properties of natural composites. 2019 , 6, 022001	18
479	Eco-friendly post-consumer cotton waste recycling for regenerated cellulose fibers. <i>Carbohydrate Polymers</i> , 2019 , 206, 141-148	10.3 54
478	Mechanical properties of carbon fibre reinforced aluminium laminates using two different layering pattern for aero engine application. 2019 , 5, 123-131	2
477	Effect of chemical treatment on the thermal properties of hybrid natural fiber-reinforced composites. 2019 , 136, 47154	72
476	Preparation and characterization of cellulose nanocrystals from bacterial cellulose produced in sugar beet molasses and cheese whey media. 2019 , 122, 280-288	69
475	Modified cellulose membrane with good durability for effective oil-in-water emulsion treatment. 2019 , 211, 1463-1470	30
474	Innovative cellulose fibres reinforced ethylene-norbornene copolymer composites of an increased degradation potential. 2019 , 159, 174-183	9
473	Reconstructing micro/nano hierarchical structures particle with nanocellulose for superhydrophobic coatings. 2019 , 560, 171-179	24
472	Epoxy-Based Multifunctional Nanocomposites. 2019 , 111-135	1

471	Cellulose filaments reinforced low-density polyethylene. 2019 , 40, 16-23		5
470	Natural fiber reinforced polylactic acid composites: A review. 2019 , 40, 446-463		170
469	Natural cellulose fiber-reinforced polyamide 6 thermoplastic composites prepared via in situ anionic ring-opening polymerization. 2019 , 40, 1104-1116		9
468	Exploiting poly(ϵ -caprolactone) and cellulose nanofibrils modified with latex nanoparticles for the development of biodegradable nanocomposites. 2019 , 40, 1342-1353		14
467	Comparison of mechanical reinforcement effects of cellulose nanocrystal, cellulose nanofiber, and microfibrillated cellulose in starch composites. 2019 , 40, E365		24
466	Prediction of surface roughness quality of green abrasive water jet machining: a soft computing approach. 2019 , 30, 2965-2979		33
465	Green Composites From Sustainable Cellulose Nanofibrils. 2020 , 81-94		3
464	Mechanical and aging resistance properties of polypropylene (PP) reinforced with nanocellulose/attapulgite composites (NCC/AT). 2020 , 27, 73-85		9
463	Nanocellulose Based Aerogels for Varying Engineering Applications. 2020 , 155-165		7
462	Opportunities With Renewable Jute Fiber Composites to Reduce Eco-Impact of Nonrenewable Polymers. 2020 , 810-821		4
461	A review of natural fiber composites: properties, modification and processing techniques, characterization, applications. 2020 , 55, 829-892		203
460	Overview of Nanocellulose in Food Packaging. 2020 , 11, 154-167		10
459	High-performance modified cellulose paper-based biosensors for medical diagnostics and early cancer screening: A concise review. <i>Carbohydrate Polymers</i> , 2020 , 229, 115463	10.3	83
458	Cellulose nanofibril-polymer hybrids for protecting drilling fluid at high salinity and high temperature. <i>Carbohydrate Polymers</i> , 2020 , 229, 115465	10.3	13
457	Use of cellulose nanofibers as a denture immersing solution. 2020 , 39, 80-88		2
456	The application of natural polymer-based hydrogels in tissue engineering. 2020 , 273-307		3
455	Waste paper: An underutilized but promising source for nanocellulose mining. 2020 , 102, 281-303		56
454	Feasibility of ramie fibers as raw material for the isolation of nanofibrillated cellulose. <i>Carbohydrate Polymers</i> , 2020 , 230, 115579	10.3	10

453	Pretreatment of Microfibrillated Cellulose on Polylactide Composites. 2020 , 28, 110-117	1
452	Thermal properties of nanocellulose-reinforced composites: A review. 2020 , 137, 48544	76
451	Hydrodynamics and local mass transfer characterization under gas-liquid slug flow in a rectangular microchannel. 2020 , 66, e16805	10
450	Cellulose nanofibers reinforced biodegradable polyester blends: Ternary biocomposites with balanced mechanical properties. <i>Carbohydrate Polymers</i> , 2020 , 233, 115845	10.3 18
449	Stable nanocellulose gels prepared by crosslinking of surface charged cellulose nanofibrils with di- and triiodoalkanes. 2020 , 27, 2053-2068	4
448	Isolation of microcrystalline cellulose from corn stover with emphasis on its constituents: Corn cover and corn cob. 2020 , 27, 589-594	9
447	Lightweight, flexible, and multifunctional anisotropic nanocellulose-based aerogels for CO ₂ adsorption. 2020 , 27, 2695-2707	15
446	Manipulating nickel oxides in naturally derived cellulose nanofiber networks as robust cathodes for high-performance Ni-Zn batteries. 2020 , 8, 565-572	26
445	Rheological and mechanical properties of cellulose/LDPE composites using sustainable and fully renewable compatibilisers. 2020 , 137, 48744	5
444	Poly(propylene carbonate)/poly(3-hydroxybutyrate)-based bionanocomposites reinforced with cellulose nanocrystal for potential application as a packaging material. 2020 , 31, 853-863	9
443	Red dye extracted sappan wood waste derived activated carbons characterization and dye adsorption properties. 2020 , 102, 107646	13
442	Electrospun natural polymer and its composite nanofibrous scaffolds for nerve tissue engineering. 2020 , 31, 519-548	14
441	Facile sonochemical synthesis of AgO-guar gum nanocomposite as a visible light photocatalyst for the organic transformation reactions. 2020 , 385, 121621	12
440	Detailed Structural Analyses of Nanofibrillated Bacterial Cellulose and Its Application as Binder Material for a Display Device. 2020 , 21, 581-588	7
439	Systematic Investigation from Material Characterization to Modeling of Jute-Substrate-Based Conformal Circularly Polarized Wearable Antenna. 2020 , 49, 7292-7307	4
438	Stable Suspensions of Lignocellulose Nanofibrils (LCNFs) Dispersed in Organic Solvents. 2020 , 8, 15989-15997	8
437	The financial impact of replacing plastic packaging by biodegradable biopolymers - A smart solution for the food industry. 2020 , 277, 124013	14
436	Phosphorylase-catalyzed bottom-up synthesis of short-chain soluble cello-oligosaccharides and property-tunable cellulosic materials. 2021 , 51, 107633	13

435	The optimisation of fabrication process for various chemically treated kenaf fibres in epoxy matrix composites. 2020 , 839, 012012		
434	Additive Manufacturing of Prostheses Using Forest-Based Composites. 2020 , 7,		4
433	Study on the Macro and Micromechanics Tensile Strength Properties of Orange Tree Pruning Fiber as Sustainable Reinforcement on Bio-Polyethylene Compared to Oil-Derived Polymers and Its Composites. 2020 , 12,		6
432	Nanocellulose-based products for sustainable applications-recent trends and possibilities. 2020 , 19, 779-806		32
431	Recent Developments in Cellulose Nanomaterial Composites. 2021 , 33, e2000718		26
430	Processing methods of bionanocomposites. 2020 , 87-104		2
429	Curcumin-based bionanocomposites. 2020 , 233-257		
428	Rheological behavior of cellulose nanofibers from cassava peel obtained by combination of chemical and physical processes. <i>Carbohydrate Polymers</i> , 2020 , 248, 116744	10.3	18
427	From Cellulose to Cellulose Nanofibrils-A Comprehensive Review of the Preparation and Modification of Cellulose Nanofibrils. 2020 , 13,		32
426	Eco-Friendly Bioinspired Interface Design for High-Performance Cellulose Nanofibril/Carbon Nanotube Nanocomposites. 2020 , 12, 55527-55535		9
425	Analyzing TEMPO-Oxidized Cellulose Fiber Morphology: New Insights into Optimization of the Oxidation Process and Nanocellulose Dispersion Quality. 2020 , 8, 17752-17762		14
424	Chemical Composition and Mechanical Properties of Natural Fibers. 2020 , 1-12		29
423	Surface modification and qualitative natural coloring of raw jute to reduce electrical resistance and induce anti-microbial properties. 2020 , 1, 100018		4
422	Inkjet printing of homogeneous and green cellulose nanofibril dielectrics for high performance IGZO TFTs. 2020 , 8, 12578-12586		4
421	Recent advancements of plant-based natural fiber-reinforced composites and their applications. 2020 , 200, 108254		114
420	The reinforcement effect of cellulose nanofiber on Young's modulus of polyvinyl alcohol gel produced through the freeze/thaw method. 2020 , 27, 1		7
419	Enzymatic path to bioconversion of lignocellulosic biomass. 2020 , 5-32		
418	Mitigation of Polysulfide Shuttling by Interlayer/Permeable Separators in Lithium-Sulfur Batteries. 2020 , 3, 8095-8129		26

417	A Review on Plant Cellulose Nanofibre-Based Aerogels for Biomedical Applications. 2020 , 12,	72
416	Rapid hemostatic chitosan/cellulose composite sponge by alkali/urea method for massive haemorrhage. 2020 , 164, 2769-2778	16
415	Tensile and flexural properties of epoxy laminates with natural papaya bast fibre cellular layers. 2020 , 2, 100017	
414	Controlling the degradation of cellulose scaffolds with Malaprade oxidation for tissue engineering. 2020 , 8, 7904-7913	5
413	Effect of -TsOH pretreatment on separation of bagasse components and preparation of nanocellulose filaments. 2020 , 7, 200967	2
412	Nucleation and crystallization of poly(propylene 2,5-furan dicarboxylate) by direct blending of microcrystalline cellulose: improved tensile and barrier properties. 2020 , 27, 9423-9436	5
411	The effect of nanocrystalline cellulose and TEMPO-oxidized nanocellulose on the compatibility of polypropylene/cyclic natural rubber blends. 2020 , 089270572095912	3
410	Valorization of food waste to multiple bio-energies based on enzymatic pretreatment: A critical review and blueprint for the future. 2020 , 277, 124091	11
409	. 2020 ,	1
408	Extraction and Characterization of Munja Fibers and Its Potential in the Biocomposites. 2020 , 1-19	6
407	Functional Biobased Composite Polymers for Food Packaging Applications. 2020 , 95-136	3
406	A Study of Some Mechanical Properties of Composite Materials with a Dammar-Based Hybrid Matrix and Reinforced by Waste Paper. 2020 , 12,	2
405	Developed Chitosan/Oregano Essential Oil Biocomposite Packaging Film Enhanced by Cellulose Nanofibril. 2020 , 12,	12
404	A Review on Micro- to Nanocellulose Biopolymer Scaffold Forming for Tissue Engineering Applications. 2020 , 12,	29
403	In situ formed active and intelligent bacterial cellulose/cotton fiber composite containing curcumin. 2020 , 27, 9371-9382	10
402	Extraction and Characterization of Cellulose Nanofibres and Cellulose Nanocrystals from Sammaz-14 Maize Cobs. 2020 , 1-16	3
401	Thermal properties of polyethylene compositions with micro-and nanocellulose. 2020 , 921, 012019	
400	On the toxicity of cellulose nanocrystals and nanofibrils in animal and cellular models. 2020 , 27, 5509-5544	33

399	Preparation of Microfibrillated Cellulose from Wood Pulp through Carbamate Modification and Colloid Milling. 2020 , 10, 1977	3
398	Phase separation of co-solvent promotes multiple bio-nanomaterials conversion from natural lignocellulose. 2020 , 152, 112469	6
397	Tribological property of cellulose nanofiber water dispersion using various material pairs. 2020 , 14, JAMDSM0039-JAMDSM0039	10
396	Review of nanocellulose and nanohydrogel matrices for the development of sustainable future materials. 2020 , 155-176	0
395	Sound Absorption of Hemp Fibers (<i>Cannabis Sativa</i> L.) Based Nonwoven Fabrics and Composites: A Review. 2020 , 1-13	22
394	Photocatalytic TiO ₂ @CS-embedded cellulose nanofiber mixed matrix membrane. 2020 , 276, 119111	18
393	Soluble soybean polysaccharide/nano zinc oxide antimicrobial nanocomposite films reinforced with microfibrillated cellulose. 2020 , 159, 793-803	12
392	Current State of Applications of Nanocellulose in Flexible Energy and Electronic Devices. 2020 , 8, 420	42
391	The fabrication of flexible and oxygen barrier cellulose nanofiber/polylactic acid nanocomposites using cosolvent system. 2020 , 137, 49536	9
390	Cellulose acetate composite films fabricated with zero-valent iron nanoparticles and its use in the degradation of persistent organic pollutants. 2020 , 34, e5892	10
389	Development of powdering method for cellulose nanofibers assisted by zinc oxide for compounding reinforced natural rubber composite. 2020 , 3, 100005	10
388	A Review on Surface-Functionalized Cellulosic Nanostructures as Biocompatible Antibacterial Materials. 2020 , 12, 73	73
387	Synthesis and cationic dye biosorption properties of a novel low-cost adsorbent: coconut waste modified with acrylic and polyacrylic acids. 2020 , 22, 551-566	11
386	Isolation and characterization of nanocrystalline cellulose from flaxseed Hull: A future onco-drug delivery agent. 2020 , 24, 374-379	7
385	Bio-based composite hydrogels for biomedical applications. 2020 , 3, 022001	16
384	Preparation and application of nanocellulose from <i>Miscanthus giganteus</i> to improve the quality of paper for bags. 2020 , 2, 1	7
383	Transformation of Glucose to 5-Hydroxymethylfurfural Over Regenerated Cellulose Supported Nb ₂ O ₅ ·nH ₂ O in Aqueous Solution. 2020 , 150, 2599-2606	6
382	Self-Fibrillating Cellulose Fibers: Rapid In Situ Nanofibrillation to Prepare Strong, Transparent, and Gas Barrier Nanopapers. 2020 , 21, 1480-1488	13

381	Zwitterionic Sulfobetaine Hydrogel Electrolyte Building Separated Positive/Negative Ion Migration Channels for Aqueous Zn-MnO ₂ Batteries with Superior Rate Capabilities. 2020 , 10, 2000035	123
380	Bio-based polybenzoxazine composites for oil-water separation, sound absorption and corrosion resistance applications. 2020 , 86, 106443	27
379	Bio-inspired antibacterial cellulose paper-poly(amidoxime) composite hydrogel for highly efficient uranium(vi) capture from seawater. 2020 , 56, 3935-3938	43
378	Sustainable Water Responsive Mechanically Adaptive and Self-Healable Polymer Composites Derived from Biomass. 2020 , 8, 726	2
377	Development of new nanocomposites for 3D printing applications. 2020 , 17-59	1
376	Multifunctionalized Cellulose Nanofiber for Water-Repellent and Wash-Sustainable Coatings on Fabrics. 2020 , 36, 8144-8151	6
375	Sustainable, High-Barrier Polyaleuritate/Nanocellulose Biocomposites. 2020 , 8, 10682-10690	5
374	Eco-Friendly Preparation of Nanofibrillated Cellulose from Water Hyacinth Using NaOH/Urea Pretreatment. 2020 , 990, 225-230	1
373	A Study About Water/Alkali Treatments of Hemp Fiber on Ultraviolet Ageing of the Reinforced Polypropylene Composites. 2020 , 28, 2572-2583	8
372	Effects of enzymes on the refining of different pulps. 2020 , 320, 1-10	4
371	Co-evolution of β -glucosidase activity and product tolerance for increasing cellulosic ethanol yield. 2020 , 42, 2239-2250	6
370	Pharmaceutical and synthetic hormone removal using biopolymer membranes. 2020 , 397-421	1
369	Characteristics of biopolymers from natural resources. 2020 , 49-95	5
368	Effect of magnetic field alignment of cellulose nanocrystals in starch nanocomposites: Physicochemical and mechanical properties. <i>Carbohydrate Polymers</i> , 2020 , 247, 116688	10.3 15
367	Aerogel from Sustainably Grown Bacterial Cellulose Pellicles as a Thermally Insulative Film for Building Envelopes. 2020 , 12, 34115-34121	7
366	Biocompatibility analysis of <i>Borassus flabellifer</i> biomass-derived nanofibrillated cellulose. <i>Carbohydrate Polymers</i> , 2020 , 235, 115961	10.3 21
365	Development, processing and applications of bio-sourced cellulose nanocrystal composites. 2020 , 103, 101221	84
364	Dissipation and distribution of difenoconazole in bananas and a risk assessment of dietary intake. 2020 , 27, 15365-15374	9

363	Nanocellulose-Enabled Membranes for Water Purification: Perspectives. 2020 , 4, 1900114		70
362	Hybrid Polyester Composites Reinforced with CurauFibres and Nanoclays. 2020 , 21, 399-406		20
361	Combining cobalt ferrite and graphite with cellulose nanocrystals for magnetically active and electrically conducting mesoporous nanohybrids. <i>Carbohydrate Polymers</i> , 2020 , 236, 116001	10.3	4
360	Fabrication of cellulose nanofiber/polypyrrole/polyvinylpyrrolidone aerogels with box-Behnken design for optimal electrical conductivity. <i>Carbohydrate Polymers</i> , 2020 , 235, 116028	10.3	12
359	Surface modified cellulose nanomaterials: a source of non-spherical nanoparticles for drug delivery. 2020 , 7, 1727-1758		42
358	Design and Synthesis of Fluorescent Nanocelluloses for Sensing and Bioimaging Applications. 2020 , 85, 487-502		16
357	Influence of silane-modified coconut shell powder on thermal and mechanical properties of thermoplastic elastomers. 2020 , 69, 571-576		3
356	Cellulose modified by citric acid reinforced Poly(lactic acid) resin as fillers. 2020 , 175, 109118		12
355	Efficient waste polyvinyl(butyril) and cellulose composite enabled carbon nanofibers for oxygen reduction reaction and water remediation. 2020 , 510, 145505		7
354	Green Nanocomposite-Based Metamaterial Electromagnetic Absorbers: Potential, Current Developments and Future Perspectives. 2020 , 8, 33289-33304		1
353	Pineapple Leaf Fibers. 2020 ,		8
352	Screening of Nanocellulose from Different Biomass Resources and Its Integration for Hydrophobic Transparent Nanopaper. 2020 , 25,		23
351	Statistical analysis of the crystallinity index of nanocellulose produced from Kraft pulp via controlled enzymatic hydrolysis. 2020 , 67, 366-374		3
350	Nano- and microcellulose-based adsorption materials in water treatment. 2020 , 1-83		0
349	Cellulose-based monoliths with enhanced surface area and porosity. 2020 , 137, 48975		4
348	Bacterial cellulose matrices to develop enzymatically active paper. 2020 , 27, 3413-3426		10
347	Purification, characterisation and antioxidant activities of chondroitin sulphate extracted from Raja porosa cartilage. <i>Carbohydrate Polymers</i> , 2020 , 241, 116306	10.3	13
346	On the Synthesis and Characterization of Polylactic Acid, Polyhydroxyalkanoate, Cellulose Acetate, and Their Engineered Blends by Solvent Casting. 2020 , 29, 5542-5556		7

345	Development of Ethyl Cellulose-based Formulations: A Perspective on the Novel Technical Methods. 2020 , 1-48		16
344	Research on the Strengthening Advantages on Using Cellulose Nanofibers as Polyvinyl Alcohol Reinforcement. 2020 , 12,		11
343	Cellulose-derived materials for drug delivery applications. 2020 , 367-390		6
342	Facile chemo-refining approach for production of micro-nanofibrillated cellulose from bleached mixed hardwood pulp to improve paper quality. <i>Carbohydrate Polymers</i> , 2020 , 238, 116186	10.3	10
341	Stabilization of Various Zero-Valent Metal Nanoparticles on a Superabsorbent Polymer for the Removal of Dyes, Nitrophenol, and Pathogenic Bacteria. 2020 , 5, 7379-7391		26
340	High performances of plant fiber reinforced composites—a new insight from hierarchical microstructures. 2020 , 194, 108151		52
339	Influence of coupling agent on altering the reinforcing efficiency of natural fibre-incorporated polymers—a review. 2020 , 39, 520-544		26
338	Novel Extruded Starch-Beet Pulp Composites for Packaging Foams. 2020 , 13,		3
337	Electrocatalytic Behavior and Determination of Amitriptyline Drug with MWCNT@Cellulose Composite Modified Glassy Carbon Electrode. 2020 , 13,		3
336	Chemical Modification of Reducing End-Groups in Cellulose Nanocrystals. 2021 , 60, 66-87		39
335	Chemische Modifizierung der reduzierenden Enden von Cellulosenanokristallen. 2021 , 133, 66-88		2
334	Evaluation of mercerization treatment conditions on extracted cellulose from shea nut shell using FTIR and thermogravimetric analysis. 2021 , 38, 958-963		6
333	Cholesterol removal via cyclodextrin-decoration on cellulose nanocrystal (CNC)-grafted poly(HEMA-GMA) nanocomposite adsorbent. 2021 , 28, 471-487		5
332	Thermal post-processing of bagasse fiber reinforced polypropylene composites. 2021 , 23, 100546		2
331	Morphology-controllable cellulose/chitosan sponge for deep wound hemostasis with surfactant and pore-foaming agent. 2021 , 118, 111408		11
330	Antifouling PES/Cu@Fe ₃ O ₄ mixed matrix membranes: Quantitative structure–activity relationship (QSAR) modeling and wastewater treatment potentiality. 2021 , 407, 126501		17
329	Facile fabrication of hydrophobic cellulose-based organic/inorganic nanomaterial modified with POSS by plasma treatment. <i>Carbohydrate Polymers</i> , 2021 , 253, 117193	10.3	10
328	Extraction of cellulose nanocrystals from microcrystalline cellulose for the stabilization of cetyltrimethylammonium bromide-enhanced Pickering emulsions. 2021 , 608, 125442		15

327	The Potentials of Corn Waste Lignocellulosic Fibre as an Improved Reinforced Bioplastic Composites. 2021 , 29, 363-381		15
326	Tensile and morphological properties of nanocrystalline cellulose and nanofibrillated cellulose reinforced PLA bionanocomposites: A review. 2021 , 61, 22-38		7
325	Recent advances on composite hydrogels designed for the remediation of dye-contaminated water and wastewater: A review. 2021 , 284, 124703		52
324	Use of gamma irradiation technology for modification of bacterial cellulose nanocrystals/chitosan nanocomposite film. <i>Carbohydrate Polymers</i> , 2021 , 253, 117144	10.3	11
323	Electrochemical applications of nanocellulose. 2021 , 313-335		1
322	Upcycling of paper waste for high-performance lithium-sulfur batteries. 2021 , 19, 100591		8
321	Synergistic Reinforcement of Composite Hydrogels with Nanofiber Mixtures of Cellulose Nanocrystals and Chitin Nanofibers. 2021 , 22, 340-352		4
320	Cellulose-based material in lithium-sulfur batteries: A review. <i>Carbohydrate Polymers</i> , 2021 , 255, 117469	10.3	16
319	Recent studies on modified cellulose/nanocellulose epoxy composites: A systematic review. <i>Carbohydrate Polymers</i> , 2021 , 255, 117366	10.3	20
318	Preparation and characterization of curdlan/nanocellulose blended film and its application to chilled meat preservation. 2021 , 266, 128948		8
317	Nanocomposites based on the cellulose extracted from the Amazon <i>Peperomia pellucida</i> and polyaniline derivatives: structural and thermal properties. 2021 , 75, 1809-1821		1
316	Osteogenic differentiation of mesenchymal stem cells on the bimodal polymer polyurethane/polyacrylonitrile containing cellulose phosphate nanowhisiker. 2021 , 34, 310-324		3
315	Di-carboxylic acid cellulose nanofibril (DCA-CNF) as an additive in water-based drilling fluids (WBMs) applied to shale formations. 2021 , 28, 417-436		2
314	Amylose/cellulose nanofiber composites for all-natural, fully biodegradable and flexible bioplastics. <i>Carbohydrate Polymers</i> , 2021 , 253, 117277	10.3	14
313	Micro-nanofibrillated cellulose preparation from bleached softwood pulp using chemo-refining approach and its evaluation as strength enhancer for paper properties. 2021 , 11, 101-115		2
312	Effect of Alkaline Surface Modification and Carbonization on Biochemical Properties of Rice and Coffee Husks for Use in Briquettes and Fiber-Reinforced Plastics. 2021 , 18, 620-629		10
311	Physical, mechanical, optical and biodegradability properties of polyvinyl alcohol/cellulose nanofibrils/kaolinite clay-based hybrid composite films. 2021 , 63, 62-74		6
310	Production of cellulose nanofibrils and films from elephant grass using deep eutectic solvents and a solid acid catalyst.. 2021 , 11, 14071-14078		2

309	Agricultural biomass as value chain developers in different sectors. 2021 , 467-509	
308	Fabrication and characterization of modified microcrystalline cellulose membrane as proton exchange membrane for direct methanol fuel cell. 2021 , 46, 1855-1859	3
307	Nano-structured Polymer-Based Composites. 2021 , 335-367	
306	Micro- and Nanocellulose in Polymer Composite Materials: A Review. 2021 , 13,	94
305	Electrospun biopolymer-based hybrid composites. 2021 , 225-252	1
304	Economic and environmental concerns of bio-based polymers processing. 2021 , 239-254	
303	Development of biobased wood polymer nanocomposites: industrial applications, market, and future trends. 2021 , 587-615	1
302	Green Fiber Thermoplastic Composites. 2021 , 35-62	
301	Nanocellulose biopolymer-based biofilms: Applications and challenges. 2021 , 43-62	0
300	Manufacturing and Processing of Short Bamboo Fiber-Based Polymer Composite. 2021 , 17-37	
299	Cellulose-based biocomposites. 2021 , 135-195	1
298	A Review on Natural Fiber Bio-Composites, Surface Modifications and Applications. 2021 , 26,	36
297	Synthesis and Application of Cellulose-Polyethyleneimine Composites and Nanocomposites: A Concise Review. 2021 , 14,	11
296	Overview of Cellulose Types and Applications. 2021 , 220-236	
295	Natural Polymer-Based MOF Composites. 2021 , 321-348	0
294	Increasing the Possibilities of TEMPO-Mediated Oxidation in the Production of Cellulose Nanofibers by Reducing the Reaction Time and Reusing the Reaction Medium. 2021 , 5, 2000277	4
293	Adsorbents based on nanofibers. 2021 , 33, 389-443	2
292	Nanocellulose-Based Materials for Heavy Metal Removal from Wastewater. 2021 , 1-34	

291	Fatigue behavior of wooden fiber reinforced epoxy composites. 2021 ,	
290	Multiscale Structure of Plant Fibers. 2021 , 117-134	
289	The effect of alkaline concentration in the alkaline delignification-assisted sonication on sengon wood. 2021 ,	
288	A Review of the Physical and Thermal Properties of Roselle Fiber-Reinforced Polymer Hybrid Composites. 2021 , 271-283	
287	Comparative analysis of physical and functional properties of cellulose nanofibers isolated from alkaline pre-treated wheat straw in optimized hydrochloric acid and enzymatic processes. 2021 , 171, 331-342	3
286	Synthesis of cellulose aerogels as promising carriers for drug delivery: a review. 2021 , 28, 2697-2714	13
285	Recent Advances in Functional Materials through Cellulose Nanofiber Templating. 2021 , 33, e2005538	21
284	Bioplastic production from renewable lignocellulosic feedstocks: a review. 2021 , 20, 167-187	12
283	Cellulose Nanofibrils Endow Phase-Change Polyethylene Glycol with Form Control and Solid-to-gel Transition for Thermal Energy Storage. 2021 , 13, 6188-6200	16
282	The use of cellulose in bio-derived formulations for 3D/4D printing: A review. 2021 , 4, 100113	16
281	Bio-sourced vinyl ester resin reinforced with microfibrillar cellulose: Mechanical and thermal properties. 096739112110020	0
280	Starch-based biocomposite membrane reinforced by orange bagasse cellulose nanofibers extracted from ionic liquid treatment. 2021 , 28, 4137-4149	6
279	Recent Advances in the Synthesis of Nanocellulose Functionalized Hybrid Membranes and Application in Water Quality Improvement. 2021 , 9, 611	14
278	Horizons for Future Sustainability. 2021 , 91-130	1
277	Effect of oxidation on cellulose and water structure: a molecular dynamics simulation study. 2021 , 28, 3917-3933	2
276	From toilet to table: value-tailored messages influence emotional responses to wastewater products. 2021 , 14, 79	2
275	A novel design for nanocellulose reinforced urea-formaldehyde resin: a breakthrough in amino resin synthesis and biocomposite manufacturing. 2021 , 28, 3435-3450	4
274	Studies on morphological, physico-chemical and mechanical properties of wheat straw reinforced polyester resin composite. 1	5

273	Production of Nanocellulose by Enzymatic Treatment for Application in Polymer Composites. 2021 , 14,	11
272	Tuning piezoelectric properties in elastomeric polyurethane nanocomposites utilizing cellulose nanocrystals. 2021 , 138, 50865	1
271	The preparation and properties of polyurethane foams reinforced with bamboo fiber sources in China. 2021 , 8, 045501	3
270	Hydrophobization of cellulose oxalate using oleic acid in a catalyst-free esterification suitable for preparing reinforcement in polymeric composites. <i>Carbohydrate Polymers</i> , 2021 , 257, 117615	10.3 1
269	Nanobiocomposite Films: a Greener Alternative for Food Packaging. 2021 , 14, 1013-1027	5
268	Application of Nanocellulose as particle stabilizer in food Pickering emulsion: Scope, Merits and challenges. 2021 , 110, 573-583	26
267	The effect of ZnO nanoparticles as Ag-carrier in PBAT for antimicrobial films. 1	5
266	Perspective Applications and Associated Challenges of Using Nanocellulose in Treating Bone-Related Diseases. 2021 , 9, 616555	11
265	Green composites based on thermoplastic starches and various natural plant fibers: Impacting parameters of the mechanical properties using machine-learning. 2021 , 42, 3458-3467	2
264	Functionalization of cellulose nanocrystal powder by non-thermal atmospheric-pressure plasmas. 2021 , 28, 6239-6252	4
263	Mussel-inspired reinforcement of a biodegradable aliphatic polyester with bamboo fibers. 2021 , 296, 126587	8
262	Valorization of Date Palm Waste for Plastic Reinforcement: Macro and Micromechanics of Flexural Strength. 2021 , 13,	5
261	Highly Developed Surface Area Thiosemicarbazide Biochar Derived from Aloe Vera for Efficient Adsorption of Uranium. 2021 , 63, 353-363	4
260	A COMPARATIVE STUDY OF CELLULOSE NANOWHISKERS (CNWs) AND CELLULOSE NANOFIBERS (CNFs). 2021 , 55, 501-510	1
259	ISOLATION AND CHARACTERIZATION OF NANOCELLULOSE FROM SUGARCANE BAGGASE AND ITS SWELLING STUDY. 2021 , 73-74	
258	Influence of alignment and microstructure features on the mechanical properties and failure mechanisms of cellulose nanocrystals (CNC) films. 2021 , 118, 104399	4
257	Cellulose-based biogenic supports, remarkably friendly biomaterials for proteins and biomolecules. 2021 , 182, 113170	8
256	Mechanical and Physicochemical Properties of 3D-Printed Agave Fibers/Poly(lactic) Acid Biocomposites. 2021 , 14,	4

255	A review of nanocellulose as a new material towards environmental sustainability. 2021 , 775, 145871	61
254	3D printing to innovate biopolymer materials for demanding applications: A review. 2021 , 20, 100459	23
253	Mechanical Properties of Bio-Composites Based on Epoxy Resin and Nanocellulose Fibres. 2021 , 14,	6
252	Characterization of sweet bamboo (<i>Dendrocalamus asper</i> Backer) kraft pulp filled in poly(lactic acid)/polybutylene succinate blend composite. 2021 , 42, 5090	5
251	. 2021 ,	0
250	Applications of nanocellulosic products in food: Manufacturing processes, structural features and multifaceted functionalities. 2021 , 113, 277-300	6
249	Polymeric Biocomposites from Renewable and Sustainable Natural Resources. 2022 , 65-108	
248	Individualization of Nanofibrillated Cellulose from Sri Lankan Rice Straw: Structural Characteristics and Thermal Properties. 2021 ,	0
247	Characterization of physical and mechanical properties of recycled jute fabric reinforced polypropylene composites. 2021 , 42, 5435	2
246	Nanocellulose, a versatile platform: From the delivery of active molecules to tissue engineering applications. 2022 , 9, 566-589	17
245	Extraction and characterization of cellulose nanocrystals from cotton fiber by enzymatic hydrolysis-assisted high-pressure homogenization.	3
244	Are nonwoven fabrics used in foods made of cellulose or plastic? Cellulose/plastic separation by using Schweizer's reagent and analysis based on a sample of tea bags. 2021 , 151, 188-194	2
243	Carbohydrate Nanomaterials Addition to Starch-Based Packaging: A Review about Fundamentals and Application. 2100057	0
242	Improving rubber concrete strength and toughness by plasma-induced end-of-life tire rubber surface modification. 2021 , 18, 2100081	3
241	Mechanical performance of 3D woven jute/green epoxy composites with novel weaving patterns. 152808372094802	
240	Nano-Cellulosic Fibers from Agricultural Wastes.	
239	Electrospun cellulose fibers from ionic liquid: Practical implications toward robust morphology. 2022 , 139, 51525	3
238	Preparation of Breathable Cellulose Based Polymeric Membranes with Enhanced Water Resistance for the Building Industry. 2021 , 14,	0

237	Cellulosic nanofibers filled poly(Ehydroxybutyrate): Relations between viscoelasticity of composites and aspect ratios of nanofibers. <i>Carbohydrate Polymers</i> , 2021 , 265, 118093	10.3	8
236	Economic assessment of the conversion of bleached eucalyptus Kraft pulp into cellulose nanocrystals in a stand-alone facility via acid and enzymatic hydrolysis.		2
235	Surface modifications of nanocellulose: From synthesis to high-performance nanocomposites. 2021 , 119, 101418		21
234	Nanocellulose-Based Functional Materials: From Chiral Photonics to Soft Actuator and Energy Storage. 2104991		26
233	The Use of Nanocellulose in Edible Coatings for the Preservation of Perishable Fruits and Vegetables. 2021 , 11, 990		4
232	An overview of Zn/ZnO modified cellulosic nanocomposites and their potential applications. 2021 , 28, 1		3
231	CelluMOFs: Green, Facile, and Flexible Metal-Organic Frameworks for Versatile Applications. 2105395		12
230	Recent studies on cellulose-based fluorescent smart materials and their applications: A comprehensive review. <i>Carbohydrate Polymers</i> , 2021 , 267, 118135	10.3	23
229	Hydrophobic composite foams based on nanocellulose-sepiolite for oil sorption applications. 2021 , 417, 126068		9
228	Valorization of Rice Straw into Cellulose Microfibers for the Reinforcement of Thermoplastic Corn Starch Films. 2021 , 11, 8433		3
227	Recent advances in nanocellulose-based different biomaterials: types, properties, and emerging applications. 2021 , 14, 2601-2623		24
226	Nanocellulose aerogel for highly efficient adsorption of uranium (VI) from aqueous solution. <i>Carbohydrate Polymers</i> , 2021 , 267, 118233	10.3	18
225	Towards producing high-quality lignin-based carbon fibers: A review of crucial factors affecting lignin properties and conversion techniques. 2021 , 189, 768-784		12
224	Turbidity-based measurement of bleeding in fresh cement paste as affected by cellulose nanofibres. 2021 , 123, 104197		0
223	A UV-shielding and hydrophobic graphitic carbon nitride nanosheets/cellulose nanofibril (gCNNS/CNF) transparent coating on wood surface for weathering resistance. 2021 , 159, 106440		2
222	Reinforcement of surface-modified cellulose nanofibrils extracted from Napier grass stem in natural rubber composites. 2021 , 171, 113881		6
221	Rheological and tribological properties of low-temperature greases based on cellulose acetate butyrate gel. <i>Carbohydrate Polymers</i> , 2021 , 272, 118509	10.3	9
220	Increasing efficiency of the homogenization process for production of chitin nanofibers for barrier film applications. <i>Carbohydrate Polymers</i> , 2021 , 274, 118658	10.3	3

219	Strong, ductile and biodegradable polylactic acid/lignin-containing cellulose nanofibril composites with improved thermal and barrier properties. 2021 , 171, 113898	8
218	Plasma-assisted fibrillation and surface-modification of microfibrillar cellulose. 2021 , 304, 130615	2
217	Enhancement of the interlaminar fracture toughness and damping properties of carbon fiber reinforced composites using cellulose nanofiber interleaves. 2021 , 28, 100940	2
216	Occurrence, distribution, and structure of natural polysaccharides. 2022 , 1-27	0
215	Fillers – Origin, Chemical Composition, Properties, and Morphology. 2021 , 13-302	1
214	Greener Composites from Plant Fibers: Preparation, Structure, and Properties. 2021 , 307-325	
213	Eco-friendly composites and nanocomposites. 2021 , 105-120	
212	Effect of TiC Nanoparticles Reinforcement in Coir Fiber Based Bio/Synthetic Epoxy Hybrid Composites: Mechanical and Thermal Characteristics. 2021 , 29, 2609	13
211	Synthesis of Recyclable Magnetic Cellulose Nanofibers from Ionic Liquids for Practical Applications in Separation Science. 2021 , 70, 737-743	
210	Bio-composites: Eco-friendly Substitute of Glass Fiber Composites. 2021 , 151-175	
209	Green Composites: Introductory Overview. 2021 , 1-20	1
208	Seaweed-Based Biodegradable Biopolymers, Composite, and Blends with Applications. 2021 , 121-149	1
207	Design of Foods Using Naturally Structured Materials. 44-58	1
206	Bio-composites: Eco-friendly Substitute of Glass Fiber Composites. 2020 , 1-25	11
205	Extraction of Multiple Value-Added Compounds from Agricultural Biomass Waste: A Review. 2020 , 163-192	3
204	Cellulose from Lignocellulosic Waste. 2015 , 475-511	15
203	Green Nanotechnology for Biomedical, Food, and Agricultural Applications. 2019 , 2681-2698	9
202	Nanopolysaccharides in Barrier Composites. 2019 , 321-366	3

201	Cellulose Nanostructures Extracted from Pineapple Fibres. 2020 , 185-234	3
200	Physicochemical Properties of Nanocellulose Extracted from Pineapple Leaf Fibres and Its Composites. 2020 , 167-183	3
199	Waste Cellulose Fibers Reinforced Polylactide Toughened by Direct Blending of Epoxidized Soybean Oil. 2020 , 21, 2949-2961	2
198	General introduction on sustainable nanocellulose and nanohydrogel matrices. 2020 , 1-31	3
197	Biodegradable nanomaterials for drink packaging. 2020 , 609-632	4
196	Fabrication and characterization of a starch-based superabsorbent hydrogel composite reinforced with cellulose nanocrystals from potato peel waste. 2020 , 601, 124962	30
195	Macromolecules in the Condensed State. 2014 , 217-236	1
194	EVALUATION OF POLY(VINYL ALCOHOL) ADDITION EFFECT ON NANOFIBRILLATED CELLULOSE FILMS CHARACTERISTICS. 2020 , 26, 1-8	3
193	Physical and Mechanical Properties of Hempcrete. 2020 , 13, 26-34	8
192	Oxidation of Cellulose from Oil Palm Empty Fruit Bunch Using Hydrogen Peroxide in Alkaline Condition. 2018 , 8, 51	4
191	Electrospinning of Cellulose Nanocrystal-Reinforced Polyurethane Fibrous Mats. 2020 , 12,	3
190	Wood cellulose fibers reinforced polylactic acid composite: mechanical, thermomechanical characteristics and orientation of fiber. 2020 , 7, 9-23	3
189	Synthesis and Characterization of New Biodegradable Chitosan/Polyvinyl Alcohol/Cellulose Nanocomposite. 2016 , 05, 18-26	15
188	Energy Efficient Manufacturing of Nanocellulose by Chemo- and Bio-Mechanical Processes: A Review. 2015 , 05, 204-212	45
187	Cellulose Nanocrystals as Advanced "Green" Materials for Biological and Biomedical Engineering. 2015 , 40, 373-393	25
186	Nanokompozit Kaynağıve Uygulama Alanıolarak Bitkiler.	2
185	Studies on the Characteristics of CNF from Paper Mulberry Bast Fiber. 2019 , 51, 88-99	2
184	Large Scale Applications of Nanocellulosic Materials - A Comprehensive Review -. 2015 , 47, 5-21	9

183	Optimal Tensile Properties of Biocomposites Made of Treated Amazonian Curauí Fibres Using Taguchi Method. 2021 , 24,	1
182	Comparative Analysis of Thermal and Physico-Mechanical Properties of Polyethylene Compositions Containing Microcrystalline and Nanofibrillary Cellulose. 2021 , 15, 716-723	1
181	Thermal properties of kenaf fiber-based nanocellulose reinforced polyurethane composites. 2021 , 846, 012010	
180	Development of biocomposite films from natural protein sources for food packaging applications: Structural characterization and physicochemical properties. 51665	
179	Dynamic X-ray micotomography of microfibrous cellulose liquid foams using deep learning. 2022 , 248, 117173	1
178	Liquid and Solid Functional Bio-Based Coatings. 2021 , 13,	7
177	Novel Micro- and Nanocellulose-Based Delivery Systems for Liposoluble Compounds. 2021 , 11,	2
176	Effects of cellulose nanofibrils and starch compared with polyacrylamide on fundamental properties of pulp and paper. 2021 , 192, 618-626	1
175	Isolation of nanocellulose from lignocellulosic biomass: Synthesis, characterization, modification, and potential applications. 2021 , 9, 106606	1
174	Effect of The Addition of Various Cellulose Nanofibers on The Properties of Sheet of Paper Mulberry Bast Fiber. 2015 , 43, 730-739	
173	Sustainable Polymers: A Perspective to the Future. 2016 , 1-18	
172	Characterization Sugarcane Bagasse Particulate Reinforced Polylactic Acid Composites Prepared by Compounding and Manual Compression Molding Technique. 2017 , 397-409	
171	Next-Generation Products and Greenhouse Gas Implications. 2017 , 243-258	
170	Case Studies—Sustainable and Lightweight Automotive Parts via Injection Molding. 2017 , 453-470	
169	Starch -Based Biomaterials and Nanocomposites. 623-636	
168	Cellulose Whisker-Based Green Polymer Composites. 461-494	1
167	Produção de suspensões nanofibrilares de celulose vegetal por meio de processo combinado e Avaliação do gasto energético. 2018 , 23,	0
166	Encyclopedia of Sustainability Science and Technology. 2018 , 1-34	1

- 165 Biopolymer Dispersed Poly Lactic Acid Composites and Blends for Food Packaging Applications. **2019**, 209-235 ○
- 164 Chemical Modification of Cellulose in Solvents for Functional Materials. **2019**, 427-460
- 163 Specialty Application of Functional Biopolymers. **2019**, 509-556
- 162 Theoretical Background. **2019**, 9-48
- 161 From biorefineries to bioproducts: conversion of pretreated pulp from biorefining streams to lignocellulose nanofibers. **2019**, 18, 233-241
- 160 Effect of Surface-Modified Cellulose Nanofibril with Cationic Polyelectrolyte on Drainage and Strength of Paper. **2019**, 51, 29-35 ○
- 159 Plant fiber reinforced biocomposites: properties and applications.
- 158 Advances in Agronanotechnology and Future Prospects. **2020**, 85-104
- 157 Composite Materials in Epoxy Resin Matrix Using Curaua Fibers. **2021**, 333-340
- 156 Enhancement of the properties of acrylic wood coatings with the use of biopolymers. **2022**, 162, 106522 1
- 155 Cellulose tailored semiconductors for advanced photocatalysis. **2022**, 154, 111820 7
- 154 Bionanomaterials from Agricultural Wastes. **2020**, 243-260 ○
- 153 Mechanical and Morphological Properties of Hybrid Composites Based on Recycled LDPE/EVA Blend Reinforced with Clay and Babassu Fiber Residues. **2020**, 661-669
- 152 Development of Biomass-Derived Cellulose Nanocrystals and its Composites. **2020**, 237-269
- 151 A facile method to prepare superhydrophobic nanocellulose-based aerogel with high thermal insulation performance via a two-step impregnation process. **2022**, 29, 245 2
- 150 Natural Fibers for the Production of Green Composites. 1-23 1
- 149 Greener Composites from Plant Fibers: Preparation, Structure, and Properties. **2021**, 1-19
- 148 High dielectric flexible thin films based on cellulose nanofibers and zinc sulfide nanoparticles. **2022**, 276, 115538 ○

147	Electroassisted Filtration of Microfibrillated Cellulose: Insights Gained from Experimental and Simulation Studies.	0
146	Nanocellulose: Resources, Physio-Chemical Properties, Current Uses and Future Applications. 2021 , 3,	5
145	Nanocomposite and bio-nanocomposite polymeric materials/membranes development in energy and medical sector: A review. 2021 ,	11
144	Cellulose nanofibers aerogels functionalized with AgO: Preparation, characterization and antibacterial activity. 2021 , 194, 58-65	5
143	Durable mechanical properties of unidirectional flax fiber/phenolic composites under hydrothermal aging. 2022 , 220, 109264	2
142	Bio-nano-composites containing at least two components, chitosan and zein, for food packaging applications: A review of the nano-composites in comparison with the conventional counterparts.. <i>Carbohydrate Polymers</i> , 2022 , 280, 119027	10.3 3
141	Combined Enzymatic Pretreatment of Pulp for Production of CNF. 2021 , 53, 5-15	0
140	Nanocellulose in plastic industry. 2022 , 123-132	
139	Extraction and properties of cellulose for polymer composites. 2022 , 59-86	
138	Nanocellulose in packaging industry. 2022 , 43-66	0
137	Cellulose reinforcement in thermoset composites. 2022 , 127-142	0
136	Industrial Applications of Cellulose Extracted from Agricultural and Food Industry Wastes. 2022 , 417-443	0
135	A Study Using the Combined Method of Scientometric and Manual Analysis on the Present Research of Plant Fibres Reinforced Concrete.	
134	Stress-transfer analyses in cellulose nanofiber/montmorillonite nanocomposites with X-ray diffraction and chemical interaction between cellulose nanofiber and montmorillonite. 2022 , 29, 2949	0
133	Kenaf Fibre Reinforced Cementitious Composites. 2022 , 10, 3	6
132	The effect of surface treatments and graphene-based modifications on mechanical properties of natural jute fiber composites: A review.. 2022 , 25, 103597	6
131	Bio-composites for fused filament fabrication: effects of maleic anhydride grafting on poly(lactic acid) and microcellulose. 1	0
130	In Situ Biosynthesis of Biodegradable Functional Bacterial Cellulose for High-Efficiency Particulate Air Filtration. 2022 , 10, 1644-1652	1

129	Preparation and Characterization of Bio-based Nanocomposites Packaging Films Reinforced with Cellulose Nanofibers from Unripe Banana Peels. 2100283	3
128	Diversified antibacterial modification and latest applications of polysaccharide-based hydrogels for wound healthcare. 2022 , 26, 101396	4
127	Recent Progress on Bio-Based Polyesters Derived from 2,5-Furandicarboxylic Acid (FDCA).. 2022 , 14,	4
126	Spectra and crystallographic analysis of combined ultrasonic and mild acid hydrolysis structural effects on lignin-containing cellulose nanofibrils (LCNFs) and cellulose nanofibrils (CNFs). 1-11	0
125	Cellulose and Its Nano-Derivatives as a Water-Repellent and Fire-Resistant Surface: A Review.. 2021 , 15,	0
124	Nanocellulose: Chemistry, preparation, and applications in the food industry. 2022 , 155-177	
123	A Comparative Study of Cellulose Nanocomposite Derived from Algae and Bacteria and Its Applications. 2022 , 151-187	
122	Nanocellulose composites in the pulp and paper industry. 2022 , 375-395	
121	Fabrication and Characterization of Hydrophobic Cellulose Nanofibrils/Silica Nanocomposites with Hexadecyltrimethoxysilane.. 2022 , 14,	2
120	Green composites prepared from soy protein, polylactic acid (PLA), starch, cellulose, chitin: a review. 1	1
119	Pre-fibrillation of pulps to manufacture cellulose nanofiber-reinforced high-density polyethylene using the dry pulp direct kneading method. 2022 , 29, 2985-2998	
118	Biocomposites based on natural fibers and polymers: A review on properties and potential applications. 073168442110706	4
117	Exploiting chitosan to improve the interface of nanocellulose reinforced polymer composites. 1	2
116	Predicting the effect of coconut natural fibers for improving the performance of biocomposite materials based on the poly (methyl methacrylate)-PMMA polymer for engineering applications. 1	0
115	Nanocellulose for Sustainable Water Purification.. 2022 ,	6
114	An Overview of the Alternative Use of Seaweeds to Produce Safe and Sustainable Bio-Packaging. 2022 , 12, 3123	1
113	Waste-Derived Cellulosic Fibers and Their Applications. 2022 , 2022, 1-13	0
112	Photocured Nanocellulose Composites: Recent Advances. 2022 , 10, 3131-3149	2

111	Sustainable Natural Bio-Origin Materials for Future Flexible Devices.. 2022 , e2200560	9
110	Comparative Evaluation of the Thermal, Structural, Chemical and Morphological Properties of Bagasse from the Leaf and Fruit of <i>Bromelia hemisphaerica</i> Lam. Delignified by Organosolv. 2022 , 12, 3761	1
109	Synthesis and characterization of fabricated fiber metal laminates for aerospace applications. 2022 ,	1
108	Bamboo-based composites: A review on fundamentals and processes of bamboo bonding. 2022 , 235, 109776	13
107	Modification of Cellulose Micro- and Nanomaterials to Improve Properties of Aliphatic Polyesters/Cellulose Composites: A Review.. 2022 , 14,	4
106	Mussel-inspired chemistry to design biodegradable food packaging films with antimicrobial properties. 2022 , 162, 17-29	1
105	Hydrophobic, breathable cellulose nonwoven fabrics for disposable hygiene applications.. <i>Carbohydrate Polymers</i> , 2022 , 288, 119367	10.3 0
104	Mechanical characteristics of bacterial cellulose-reinforced mycelium composite materials. 2021 , 8, 18	8
103	Recent Advancements in the Natural Fiber-Reinforced Polymer Composites. 2022 , 301-327	
102	Thermal Properties of Cellulose Nanofibers and Their Composites. 2022 , 201-217	
101	Recent Trends in Assessment of Cellulose Derivatives in Designing Novel and Nanoparticulate-Based Drug Delivery Systems for Improvement of Oral Health.. 2021 , 14,	1
100	Effect of Coupling Agent on Softwood Kraft Nanocellulose Fibril-Reinforced Polylactic Acid Biocomposite. 2021 , 2021, 1-13	10
99	Impact Performance of Three-dimensional Woven Composites with Novel Binding Yarn Patterns. 1-16	1
98	Reactive Cellu-mers-A Novel Approach to Improved Cellulose/Polymer Composites.. 2022 , 14,	1
97	Nanoscale cellulose and nanocellulose-based aerogels. 2022 , 229-260	0
96	Processing of bionanocomposites. 2022 , 31-41	
95	Carbohydrate-Binding Modules of Potential Resources: Occurrence in Nature, Function, and Application in Fiber Recognition and Treatment.. 2022 , 14,	0
94	Biodegradable, Super-Strong, and Conductive Cellulose Macrofibers for Fabric-Based Triboelectric Nanogenerator.. 2022 , 14, 115	6

93	Analysis of the In Vitro Toxicity of Nanocelluloses in Human Lung Cells as Compared to Multi-Walled Carbon Nanotubes.. 2022 , 12,		1
92	Genotoxicity of Three Micro/Nanocelluloses with Different Physicochemical Characteristics in MG-63 and V79 Cells. 2022 , 12, 91-108		1
91	Green Chemistry and Molecularly Imprinted Membranes. 2022 , 12, 472		0
90	Hydrophobicity improvement of cellulose nanofibrils films by stearic acid and modified precipitated calcium carbonate coating. 1		0
89	Nanocellulose-based superhydrophobic coating with acid resistance and fluorescence. 2022 , 168, 106911		2
88	A study using a combined method of scientometric and manual analysis to review the present research of plant fibres reinforced concrete. 2022 , 341, 127551		1
87	Characterization of antibacterial aerogel based on e-poly-l-lysine/nanocellulose by using citric acid as crosslinker. <i>Carbohydrate Polymers</i> , 2022 , 291, 119568	10.3	1
86	A review of nanocellulose adsorptive membrane as multifunctional wastewater treatment. <i>Carbohydrate Polymers</i> , 2022 , 291, 119563	10.3	8
85	Sustainable Green Methods for the Extraction of Biopolymers. 2022 , 73-110		1
84	Remarkable Enhancement in Thermal Performance of Polypropylene Carbonate by Using Exfoliated Boron Nitride Nanosheets.		
83	Nanocellulose in tissue engineering and bioremediation: mechanism of action. 2022 , 13, 12823-12833		
82	An Opto- and Thermal-Rewrite PCM/CNF-IR 780 Energy Storage Nanopaper with Mechanical Regulated Performance. 2200688		0
81	Natural Polymers and Their Nanocomposites Used for Environmental Applications. 2022 , 12, 1707		0
80	Nanocomposites of Epoxy and Cellulosic Nanomaterials. 235-265		
79	Polyvalent metal ion adsorption by chemically modified biochar fibers. 2022 , 267-286		
78	Degradation by Electron Beam Irradiation of Some Composites Based on Natural Rubber Reinforced with Mineral and Organic Fillers. 2022 , 23, 6925		1
77	Anisotropic, elastic cellulose nanofibril cryogel cross-linked by waterborne polyurethane with excellent thermal insulation performance.		
76	Fluorescent cellulosic composites based on carbon dots: Recent advances, developments, and applications. <i>Carbohydrate Polymers</i> , 2022 , 119768	10.3	1

75	Cellulose-Based Materials for Water Purification. 2022 , 7,	0
74	Oxidized cellulose nanofibrils-based surimi gel enhancing additives: Interactions, performance and mechanisms. 2022 , 133, 107893	0
73	Green composites, the next-generation sustainable composite materials: Specific features and applications. 2022 , 55-70	
72	Polymer-based green composites and their applications. 2022 , 123-145	
71	Circularity Potential of Rice Husk as a Bioplastic Resource: Techno-Environmental Assessment.	
70	Nanocellulose-Based Composite Materials Used in Drug Delivery Systems. 2022 , 14, 2648	4
69	Recent advances of micro-nanofiber materials for rechargeable zinc-air batteries. 2022 , 51, 181-211	2
68	Redispersion of dried plant nanocellulose: A review. <i>Carbohydrate Polymers</i> , 2022 , 294, 119830	10.3 1
67	Remarkable enhancement in thermal performance of polypropylene carbonate by using exfoliated boron nitride nanosheets. 2022 , 138247	1
66	Surface Doping of Anionic Clusters Facilitated Direct Fabrication of Commercial Cellulose Nanofibrils for Long-Range Ordered Layer Structures.	1
65	Nanocellulose as a promising substrate for advanced sensors and their applications. 2022 , 218, 473-487	1
64	A simple model to fit and interpret creep curves-behaviour of modified micro-cellulose particulate composites.	0
63	Colocasia esculenta stems for the isolation of cellulose nanofibers: a chlorine-free method for the biomass conversion.	0
62	Cellulose derivatives and cellulose-metal-organic frameworks for CO ₂ adsorption and separation. 2022 , 64, 102163	0
61	All-natural, sustainable laminated composites from bacterial cellulose and wheat flour paste. 2022 , 118, 103242	
60	Cellulose from Annual Plants and Its Use for the Production of the Films Hydrophobized with Tetrafluoroethylene Telomers. 2022 , 27, 6002	0
59	Nanofibras de celulose (NFC) como reforço de matrizes cimentícias: revisão sistemática da literatura. 2022 , 12, 311-327	0
58	Biopolymers based aerogels: A review on revolutionary solutions for smart therapeutics delivery. 2023 , 131, 101014	3

57	Flexible Lumped Microwave Passive Components and Filters on Cellulose Nanofibril Substrates. 2022 , 1-6	0
56	Overview of preparation, modification, and application of tunicate-derived nanocellulose. 2023 , 452, 139439	1
55	Novel Technologies for Seaweed Polysaccharides Extraction and Their Use in Food with Therapeutically ApplicationsâA Review. 2022 , 11, 2654	2
54	Source of Nanocellulose and Its Application in Nanocomposite Packaging Material: A Review. 2022 , 12, 3158	6
53	Biobased Polymer Composites: A Review. 2022 , 6, 255	4
52	Covalent Crosslinking of Colloidal Cellulose Nanocrystals for Multifunctional Nanostructured Hydrogels with Tunable Physicochemical Properties.	1
51	Functionalized Cellulose Sheets with Fertilizers Applied as Multimodal Agricultural Supports for Seedling Cultivation.	0
50	Aqueous-Based Polyimine Functionalization of Cellulose Nanofibrils for Effective Drying and Polymer Composite Reinforcement.	1
49	Phenol formaldehyde resin modified by cellulose and lignin nanomaterials: Review and recent progress. 2022 ,	1
48	Study of Progress on Nanocrystalline Cellulose and Natural Fiber Reinforcement Biocomposites. 2022 , 2022, 1-16	1
47	Sustainable starch biocomposite films fully-based on white rice (<i>Oryza sativa</i>) agroindustrial by-products. 2022 , 136, 47-58	1
46	Fully Bio-based Polybenzoxazines Derived from Thymol: Thermal Stability, Hydrophobicity and Corrosion Resistant Properties.	2
45	Sources, Chemical Functionalization, and Commercial Applications of Nanocellulose and Nanocellulose-Based Composites: A Review. 2022 , 14, 4468	0
44	Short Fiber Reinforced Composites. 2022 , 185-367	0
43	The Encapsulation of Bioactive Plant Extracts into the Cellulose Microfiber Isolated from <i>G. optiva</i> Species for Biomedical Applications. 2022 , 12, 1089	1
42	From nature, requite to nature: Bio-based cellulose and its derivatives for construction of green zinc batteries. 2023 , 454, 140311	1
41	Preparation of Side-By-Side Bicomponent Fibers Using Bio Polyol Based Thermoplastic Polyurethane (TPU) and TPU/Polylactic Acid Blends. 2022 , 10, 95	0
40	The synthesis, mechanisms, and additives for bio-compatible polyvinyl alcohol hydrogels: A review on current advances, trends, and future outlook.	0

- 39 Rare Earth Elements Uptake by Synthetic Polymeric and Cellulose-Based Materials: A Review. **2022**, 14, 4786 0
- 38 Nanocellulose and Cellulose Making with Bio-Enzymes from Different Particle Sizes of *Neosinocalamus Affinis*. **2022**, 12, 1734 2
- 37 Physico-chemical parameters for the assembly of moxifloxacin hydrochloride and cetyltrimethylammonium chloride mixtures in aqueous and alcoholic media. **2022**, 0
- 36 Applications of Biobased Composites in Optical Devices. **2023**, 471-490 0
- 35 Epoxy-functionalized polyethyleneimine modified epichlorohydrin-cross-linked cellulose aerogel as adsorbents for carbon dioxide capture. **2023**, 302, 120389 1
- 34 APPROACHING SUSTAINABILITY: NANOCELLULOSE REINFORCED ELASTOMERSâA REVIEW. **2022**, 95, 515-549 0
- 33 Mechanical properties of cellulose-based multiscale composites: A review. 1
- 32 Testing of Natural Fiber Composites. **2023**, 131-148 0
- 31 Cellulose and protein nanofibrils: Singular biobased nanostructures for the design of sustainable advanced materials. 10, 0
- 30 Effect of moisture content on the microscopic properties of amorphous cellulose: a molecular dynamics simulations. **2022**, 9, 125308 0
- 29 Eco-friendly and facile preparation of chitosan-based biofilms of novel acetoacetylated lignin for antioxidant and UV-shielding properties. **2023**, 225, 1384-1393 0
- 28 Agronanobiotechnology: Present and Prospect. **2023**, 43-80 0
- 27 Effect of phosphorylation on the production of cellulose nanofibrils from *Eucalyptus* sp. **2023**, 193, 116173 0
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- 24 Extraction of cellulose from agro-industrial wastes. **2023**, 319-348 0
- 23 Lignin-Derived Carbon Nanofibers Loaded with TiO₂ Enables Efficient Photocatalysis. 2200459 0
- 22 Cellulose nanocrystals from Siam weed: Synthesis and physicochemical characterization. **2023**, 9, e13104 0

21	Cellulose-Based Drug Delivery Systems in Lung Disorders. 2023 , 83-102	0
20	Enhancement of photocatalytic performance in degradation of aqueous trichloroethylene and methylene blue by using TiO ₂ thin film fabricated by cellulose nanocrystals templating and Nb doping.	0
19	Nanocellulose-Based (Bio)composites for Optoelectronic Applications. 2023 , 1-26	0
18	Advanced applications of biomass nanocellulose-reinforced polymer composites. 2023 , 349-385	0
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15	Cationic cellulose nanocrystals as sustainable green material for multi biological applications via π potential. 1-25	1
14	Improved photocatalytic property of lignin-derived carbon nanofibers through catalyst synergy. 2023 , 233, 123588	1
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10	Evaluating the Properties of Native and Modified Milkweed Floss for Applications as a Reinforcing Fiber. 2023 , 20,	0
9	Organized mineralized cellulose nanostructures for biomedical applications.	0
8	A Review of Biomass-Derived UV-Shielding Materials for Bio-Composites. 2023 , 16, 2231	0
7	Tannin improves the processability and delays the biodegradability of poly (lactic acid)-starch-based thermoset materials produced by injection molding made with renewable compounds. 2023 , 140,	0
6	Development of nanocellulose fiber reinforced starch biopolymer composites: a review. 2023 ,	0
5	Horse chestnut thermoplastic starch nanocomposite films reinforced with nanocellulose. 2023 ,	0
4	Molecular Dynamics Simulation on Tensile Behavior of Cellulose at Different Strain Rates. 2023 , 2023, 1-10	0

- 3 Machinability analysis of Typha angustifolia natural fiber reinforced composites through experimental modeling – Influence of fiber orientation. ○
- 2 Recent advances in the development of MXenes/cellulose based composites: A review. **2023**, 240, 124477 ○
- 1 Functional Sensory and Biomedical Applications of Cellulose Nanocrystals as a Sustainable Source of Material. **2023**, 61-75 ○