

Qinglin Wu

List of Publications by Year in Descending Order

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

161
papers

9,207
citations

53
h-index

92
g-index

167
ext. papers

11,043
ext. citations

6.7
avg, IF

6.68
L-index

#	Paper	IF	Citations
161	Spider-web-inspired membrane reinforced with sulfhydryl-functionalized cellulose nanocrystals for oil/water separation.. <i>Carbohydrate Polymers</i> , 2022 , 282, 119049	10.3	3
160	Construction of mechanically robust and recyclable photocatalytic hydrogel based on nanocellulose-supported CdS/MoS ₂ /Montmorillonite hybrid for antibiotic degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 636, 128035	5.1	6
159	Recent advances in metal organic framework and cellulose nanomaterial composites. <i>Coordination Chemistry Reviews</i> , 2022 , 461, 214496	23.2	4
158	3D Printed Ti ₃ C ₂ T _x MXene/Cellulose Nanofiber Architectures for Solid-State Supercapacitors: Ink Rheology, 3D Printability, and Electrochemical Performance. <i>Advanced Functional Materials</i> , 2022 , 32, 2109593	15.6	10
157	Recent Advances in Extraction and Processing of Chitin Using Deep Eutectic Solvents. <i>Chemical Engineering Journal</i> , 2022 , 136953	14.7	1
156	Lignin-containing cellulose nanofibers made with microwave-aid green solvent treatment for magnetic fluid stabilization. <i>Carbohydrate Polymers</i> , 2022 , 291, 119573	10.3	0
155	Salt sensitivity of low solid content bentonite suspension as influenced by lignocellulosic nanomaterial and polyanionic cellulose. <i>MRS Communications</i> , 2021 , 11, 726	2.7	0
154	Inherently Conductive Poly(dimethylsiloxane) Elastomers Synergistically Mediated by Nanocellulose/Carbon Nanotube Nanohybrids toward Highly Sensitive, Stretchable, and Durable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	9
153	Self-Recovery, Fatigue-Resistant, and Multifunctional Sensor Assembled by a Nanocellulose/Carbon Nanotube Nanocomplex-Mediated Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50281-50297	9.5	18
152	Highly viscoelastic, stretchable, conductive, and self-healing strain sensors based on cellulose nanofiber-reinforced polyacrylic acid hydrogel. <i>Cellulose</i> , 2021 , 28, 4295-4311	5.5	40
151	Novel alginate-cellulose nanofiber-poly(vinyl alcohol) hydrogels for carrying and delivering nitrogen, phosphorus and potassium chemicals. <i>International Journal of Biological Macromolecules</i> , 2021 , 172, 330-340	7.9	13
150	3D-printed wood-poly(lactic acid)-thermoplastic starch composites: Performance features in relation to biodegradation treatment. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50914	2.9	1
149	Rheological Aspects of Cellulose Nanomaterials: Governing Factors and Emerging Applications. <i>Advanced Materials</i> , 2021 , 33, e2006052	24	42
148	Carbonized Cellulose Nanofibril with Individualized Fibrous Morphology: toward Multifunctional Applications in Polycaprolactone Conductive Composites.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5169-5179 ^{4.1}	4.1	1
147	Comparative performance of bio-based coatings formulated with cellulose, chitin, and chitosan nanomaterials suitable for fruit preservation. <i>Carbohydrate Polymers</i> , 2021 , 259, 117764	10.3	11
146	A Chemically Self-Charging Flexible Solid-State Zinc-Ion Battery Based on VO ₂ Cathode and Polyacrylamide/Chitin Nanofiber Hydrogel Electrolyte. <i>Advanced Energy Materials</i> , 2021 , 11, 2003902	21.8	19
145	ZIF-67@Cellulose nanofiber hybrid membrane with controlled porosity for use as Li-ion battery separator. <i>Journal of Energy Chemistry</i> , 2021 , 52, 170-180	12	25

144	Lignin-containing cellulose nanofibers with gradient lignin content obtained from cotton gin motes and cotton gin trash. <i>Cellulose</i> , 2021 , 28, 757-773	5.5	9
143	Highly stable H2V3O8/Mxene cathode for Zn-ion batteries with superior rate performance and long lifespan. <i>Chemical Engineering Journal</i> , 2021 , 405, 126737	14.7	26
142	Effects of cellulose/salicylaldehyde thiosemicarbazone complexes on PVA based hydrogels: Portable, reusable, and high-precision luminescence sensing of Cu. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123798	12.8	18
141	Highly stretchable and self-healing cellulose nanofiber-mediated conductive hydrogel towards strain sensing application. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 171-181	9.3	38
140	TEMPO-oxidized cellulose nanofibers/polyacrylamide hybrid hydrogel with intrinsic self-recovery and shape memory properties. <i>Cellulose</i> , 2021 , 28, 1469-1488	5.5	25
139	Rheological Properties of Lignocellulosic Nanomaterial Aqueous Suspensions as Influenced by Water-Soluble Biopolymer Additives. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17049-17060	8.3	0
138	Cellulose nanofibers from rapidly microwave-delignified energy cane bagasse and their application in drilling fluids as rheology and filtration modifiers. <i>Industrial Crops and Products</i> , 2020 , 150, 112378	5.9	15
137	Production of lignin-containing cellulose nanofibers using deep eutectic solvents for UV-absorbing polymer reinforcement. <i>Carbohydrate Polymers</i> , 2020 , 246, 116548	10.3	23
136	Thermothickening Drilling Fluids Containing Bentonite and Dual-Functionalized Cellulose Nanocrystals. <i>Energy & Fuels</i> , 2020 , 34, 8206-8215	4.1	16
135	Rapid Preparation of Cellulose Nanofibers from Energy Cane Bagasse and Their Application as Stabilizer and Rheological Modifiers in Magnetorheological Fluid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	1
134	Zeolitic imidazolate framework-cellulose nanofiber hybrid membrane as Li-Ion battery separator: Basic membrane property and battery performance. <i>Journal of Power Sources</i> , 2020 , 454, 227878	8.9	19
133	The influence of double-layered distribution of fire retardants on the fire retardancy and mechanical properties of wood fiber polypropylene composites. <i>Construction and Building Materials</i> , 2020 , 242, 118047	6.7	16
132	Self-Healable Electro-Conductive Hydrogels Based on Core-Shell Structured Nanocellulose/Carbon Nanotubes Hybrids for Use as Flexible Supercapacitors. <i>Nanomaterials</i> , 2020 , 10,	5.4	49
131	Cellulose Nanocrystal-Polyelectrolyte Hybrids for Bentonite Water-Based Drilling Fluids.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 3015-3027	4.1	5
130	Highly recyclable and super-tough hydrogel mediated by dual-functional TiO nanoparticles toward efficient photodegradation of organic water pollutants. <i>Journal of Colloid and Interface Science</i> , 2020 , 564, 99-112	9.3	29
129	Carbonized cellulose nanofibers as dielectric heat sources for microwave annealing 3D printed PLA composite. <i>Composites Part B: Engineering</i> , 2020 , 184, 107640	10	13
128	Layered ferric vanadate nanosheets as a high-rate NH4+ storage electrode. <i>Electrochimica Acta</i> , 2020 , 360, 137008	6.7	17
127	Bio-Composites Consisting of Cellulose Nanofibers and Na Montmorillonite Clay: Morphology and Performance Property. <i>Polymers</i> , 2020 , 12,	4.5	5

126	Overcoming Salt Contamination of Bentonite Water-Based Drilling Fluids with Blended Dual-Functionalized Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11569-11578	8.3	24
125	A stretchable solid-state zinc ion battery based on a cellulose nanofiber/polyacrylamide hydrogel electrolyte and a Mg _{0.23} V ₂ O ₅ ·1.0H ₂ O cathode. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18327-18337	13	22
124	Water-Redispersible Cellulose Nanofiber and Polyanionic Cellulose Hybrids for High-Performance Water-Based Drilling Fluids. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 14352-14363	3.9	17
123	Thermal Stability and Flame Resistance of the Coextruded Wood-Plastic Composites Containing Talc-Filled Plastic Shells. <i>International Journal of Polymer Science</i> , 2020 , 2020, 1-9	2.4	1
122	A stretchable, self-healing conductive hydrogels based on nanocellulose supported graphene towards wearable monitoring of human motion. <i>Carbohydrate Polymers</i> , 2020 , 250, 116905	10.3	76
121	Mechanically adaptive nanocomposites with cellulose nanocrystals: Strain-field mapping with digital image correlation. <i>Carbohydrate Polymers</i> , 2019 , 211, 11-21	10.3	10
120	An intrinsically self-healing and biocompatible electroconductive hydrogel based on nanostructured nanocellulose-polyaniline complexes embedded in a viscoelastic polymer network towards flexible conductors and electrodes. <i>Electrochimica Acta</i> , 2019 , 318, 660-672	6.7	101
119	3D printed poly(lactic acid) composites with grafted cellulose nanofibers: Effect of nanofiber and post-fabrication annealing treatment on composite flexural properties. <i>Additive Manufacturing</i> , 2019 , 28, 621-628	6.1	27
118	Surface modified cellulose nanocrystals for tailoring interfacial miscibility and microphase separation of polymer nanocomposites. <i>Cellulose</i> , 2019 , 26, 4301-4312	5.5	10
117	Fast Microwave Synthesis of Hierarchical Porous Carbons from Waste Palm Boosted by Activated Carbons for Supercapacitors. <i>Nanomaterials</i> , 2019 , 9,	5.4	16
116	A self-healable and highly flexible supercapacitor integrated by dynamically cross-linked electro-conductive hydrogels based on nanocellulose-templated carbon nanotubes embedded in a viscoelastic polymer network. <i>Carbon</i> , 2019 , 149, 1-18	10.4	188
115	Investigation of Amphiphilic Polypeptoid-Functionalized Halloysite Nanotubes as Emulsion Stabilizer for Oil Spill Remediation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27944-27953	9.5	29
114	Assembly of Polyacrylamide-Sodium Alginate-Based Organic-Inorganic Hydrogel with Mechanical and Adsorption Properties. <i>Polymers</i> , 2019 , 11,	4.5	23
113	Highly Stretchable and Self-Healing Strain Sensors Based on Nanocellulose-Supported Graphene Dispersed in Electro-Conductive Hydrogels. <i>Nanomaterials</i> , 2019 , 9,	5.4	75
112	Electrospun Core-Shell Nanofibrous Membranes with Nanocellulose-Stabilized Carbon Nanotubes for Use as High-Performance Flexible Supercapacitor Electrodes with Enhanced Water Resistance, Thermal Stability, and Mechanical Toughness. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44624-44635	9.5	99
111	Influence of Cellulose Nanoparticles on Rheological Behavior of Oil Well Cement-Water Slurries. <i>Materials</i> , 2019 , 12,	3.5	15
110	A Skin-Inspired Stretchable, Self-Healing and Electro-Conductive Hydrogel with A Synergistic Triple Network for Wearable Strain Sensors Applied in Human-Motion Detection. <i>Nanomaterials</i> , 2019 , 9,	5.4	50
109	Structural variations of cotton cellulose nanocrystals from deep eutectic solvent treatment: micro and nano scale. <i>Cellulose</i> , 2019 , 26, 861-876	5.5	39

108	Nanocellulose-templated assembly of polyaniline in natural rubber-based hybrid elastomers toward flexible electronic conductors. <i>Industrial Crops and Products</i> , 2019 , 128, 94-107	5.9	124
107	Effects of nanocellulose on sodium alginate/polyacrylamide hydrogel: Mechanical properties and adsorption-desorption capacities. <i>Carbohydrate Polymers</i> , 2019 , 206, 289-301	10.3	99
106	pH-Responsive Water-Based Drilling Fluids Containing Bentonite and Chitin Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3783-3795	8.3	53
105	Grafting polycaprolactone diol onto cellulose nanocrystals via click chemistry: Enhancing thermal stability and hydrophobic property. <i>Carbohydrate Polymers</i> , 2018 , 189, 331-341	10.3	33
104	Nanocellulose films with combined cellulose nanofibers and nanocrystals: tailored thermal, optical and mechanical properties. <i>Cellulose</i> , 2018 , 25, 1103-1115	5.5	57
103	Enhancing mechanical properties of poly(lactic acid) through its in-situ crosslinking with maleic anhydride-modified cellulose nanocrystals from cottonseed hulls. <i>Industrial Crops and Products</i> , 2018 , 112, 449-459	5.9	58
102	Biofilter treatment of gas phase Eucaryophyllene at an elevated temperature. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018 , 53, 752-765	2.3	2
101	Comparative mechanical, fire-retarding, and morphological properties of high-density polyethylene/(wood flour) composites with different flame retardants. <i>Journal of Vinyl and Additive Technology</i> , 2018 , 24, 3-12	2	5
100	Mechanical and Thermal Properties of R-High Density Polyethylene Composites Reinforced with Wheat Straw Particleboard Dust and Basalt Fiber. <i>International Journal of Polymer Science</i> , 2018 , 2018, 1-10	2.4	5
99	Surface wetting behavior of nanocellulose-based composite films. <i>Cellulose</i> , 2018 , 25, 5071-5087	5.5	18
98	Nanocellulose-Mediated Electroconductive Self-Healing Hydrogels with High Strength, Plasticity, Viscoelasticity, Stretchability, and Biocompatibility toward Multifunctional Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27987-28002	9.5	296
97	Effect of a novel clay/silica nanocomposite on water-based drilling fluids: Improvements in rheological and filtration properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 555, 339-350	5.1	93
96	Enhanced Antibacterial Performance and Cytocompatibility of Silver Nanoparticles Stabilized by Cellulose Nanocrystal Grafted with Chito-Oligosaccharides. <i>Materials</i> , 2018 , 11,	3.5	11
95	Thermally Tunable Pickering Emulsions Stabilized by Carbon-Dot-Incorporated Core-Shell Nanospheres with Fluorescence "On-Off" Behavior. <i>Langmuir</i> , 2018 , 34, 273-283	4	13
94	Reusable and cross-linked cellulose nanofibrils aerogel for the removal of heavy metal ions. <i>Polymer Composites</i> , 2018 , 39, 4442-4451	3	14
93	Surface-Chemistry-Tuned Cellulose Nanocrystals in a Bentonite Suspension for Water-Based Drilling Fluids. <i>ACS Applied Nano Materials</i> , 2018 , 1, 7039-7051	5.6	41
92	Electrospun Cellulose Nanocrystals/Chitosan/Polyvinyl Alcohol Nanofibrous Films and their Exploration to Metal Ions Adsorption. <i>Polymers</i> , 2018 , 10,	4.5	20
91	Electrospun Poly(Ethylene Oxide) Fibers Reinforced with Poly (Vinylpyrrolidone) Polymer and Cellulose Nanocrystals 2018 ,		4

90	Cellulose nanocrystal supported superparamagnetic nanorods with aminated silica shell: synthesis and properties. <i>Journal of Materials Science</i> , 2017 , 52, 6432-6441	4.3	6
89	Synergistic influence of halogenated flame retardants and nanoclay on flame performance of high density polyethylene and wood flour composites. <i>RSC Advances</i> , 2017 , 7, 24895-24902	3.7	8
88	The influence of grafted cellulose nanofibers and postextrusion annealing treatment on selected properties of poly(lactic acid) filaments for 3D printing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 847-855	2.6	44
87	Effect of Nano-CaCO ₃ and Talc on Property and Weathering Performance of PP Composites. <i>International Journal of Polymer Science</i> , 2017 , 2017, 1-9	2.4	5
86	Structural Transformation of Li-Excess Cathode Materials via Facile Preparation and Assembly of Sonication-Induced Colloidal Nanocrystals for Enhanced Lithium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31181-31191	9.5	5
85	Synthesis-Free Phase-Selective Gelator for Oil-Spill Remediation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33549-33553	9.5	27
84	Effects of nanocellulose on the structure and properties of poly(vinyl alcohol)-borax hybrid foams. <i>Cellulose</i> , 2017 , 24, 4433-4448	5.5	101
83	Thermoresponsive poly(poly(ethylene glycol) methylacrylate)s grafted cellulose nanocrystals through SI-ATRP polymerization. <i>Cellulose</i> , 2017 , 24, 4189-4203	5.5	24
82	Thermoresponsive Copolymer Poly(N-Vinylcaprolactam) Grafted Cellulose Nanocrystals: Synthesis, Structure, and Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7439-7447	8.3	35
81	Rheology, curing temperature and mechanical performance of oil well cement: Combined effect of cellulose nanofibers and graphene nano-platelets. <i>Materials and Design</i> , 2017 , 114, 92-101	8.1	56
80	Cellulose Nanocrystals (CNCs) from Corn Stalk: Activation Energy Analysis. <i>Materials</i> , 2017 , 10,	3.5	20
79	Thermal decomposition of fire-retarded wood flour/polypropylene composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 309-318	4.1	27
78	Performance of low solid bentonite drilling fluids modified by cellulose nanoparticles. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 34, 1403-1411	4.6	55
77	Nanotechnology in Agriculture. <i>ACS Symposium Series</i> , 2016 , 233-242	0.4	28
76	Mechanical and thermal properties of toluene diisocyanate-modified cellulose nanocrystal nanocomposites using semi-crystalline poly(lactic acid) as a base matrix. <i>RSC Advances</i> , 2016 , 6, 73879-73886	3.7	42
75	Cationic surface modification of cellulose nanocrystals: Toward tailoring dispersion and interface in carboxymethyl cellulose films. <i>Polymer</i> , 2016 , 107, 200-210	3.9	60
74	Cellulose Nanofibers as a Modifier for Rheology, Curing and Mechanical Performance of Oil Well Cement. <i>Scientific Reports</i> , 2016 , 6, 31654	4.9	44
73	Physiochemical, optical and mechanical properties of poly(lactic acid) nanocomposites filled with toluene diisocyanate grafted cellulose nanocrystals. <i>RSC Advances</i> , 2016 , 6, 9438-9445	3.7	42

72	Thermal degradation and flammability properties of multilayer structured wood fiber and polypropylene composites with fire retardants. <i>RSC Advances</i> , 2016 , 6, 13890-13897	3.7	19
71	Cellulose Nanocrystals and Polyanionic Cellulose as Additives in Bentonite Water-Based Drilling Fluids: Rheological Modeling and Filtration Mechanisms. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 133-143	3.9	112
70	Molecular association of adsorbed water with lignocellulosic materials examined by micro-FTIR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 117-25	7.9	24
69	Preparation of highly charged cellulose nanofibrils using high-pressure homogenization coupled with strong acid hydrolysis pretreatments. <i>Carbohydrate Polymers</i> , 2016 , 136, 485-92	10.3	77
68	Preparation and Properties of Electrospun Poly (Vinyl Pyrrolidone)/Cellulose Nanocrystal/Silver Nanoparticle Composite Fibers. <i>Materials</i> , 2016 , 9,	3.5	80
67	Cellulose nanofibers reinforced sodium alginate-polyvinyl alcohol hydrogels: Core-shell structure formation and property characterization. <i>Carbohydrate Polymers</i> , 2016 , 147, 155-164	10.3	90
66	Thermal degradation and flammability behavior of fire-retarded wood flour/polypropylene composites. <i>Journal of Fire Sciences</i> , 2016 , 34, 226-239	1.5	8
65	Water-based bentonite drilling fluids modified by novel biopolymer for minimizing fluid loss and formation damage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 507, 58-66	5.1	65
64	Morphological influence of cellulose nanoparticles (CNs) from cottonseed hulls on rheological properties of polyvinyl alcohol/CN suspensions. <i>Carbohydrate Polymers</i> , 2016 , 153, 445-454	10.3	45
63	Structure and thermal properties of tar from gasification of agricultural crop residue. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 27-35	4.1	28
62	Comparison of highly transparent all-cellulose nanopaper prepared using sulfuric acid and TEMPO-mediated oxidation methods. <i>Cellulose</i> , 2015 , 22, 1123-1133	5.5	82
61	Fabricating electrospun nanofibers with antimicrobial capability: A facile route to recycle biomass tar. <i>Fuel</i> , 2015 , 150, 123-130	7.1	19
60	Characterization of cellulose I/II hybrid fibers isolated from energycane bagasse during the delignification process: Morphology, crystallinity and percentage estimation. <i>Carbohydrate Polymers</i> , 2015 , 133, 438-47	10.3	95
59	Cellulose fibers isolated from energycane bagasse using alkaline and sodium chlorite treatments: Structural, chemical and thermal properties. <i>Industrial Crops and Products</i> , 2015 , 76, 355-363	5.9	70
58	Cellulose Nanoparticles: StructureMorphologyRheology Relationships. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 821-832	8.3	268
57	Soy Protein Isolate As Fluid Loss Additive in Bentonite-Water-Based Drilling Fluids. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24799-809	9.5	59
56	Effect of Hybrid Talc-Basalt Fillers in the Shell Layer on Thermal and Mechanical Performance of Co-Extruded Wood Plastic Composites. <i>Materials</i> , 2015 , 8, 8510-8523	3.5	15
55	High-Density Polyethylene and Heat-Treated Bamboo Fiber Composites: Nonisothermal Crystallization Properties. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-7	2.4	2

54	Poly(vinylidene fluoride)/cellulose nanocrystals composites: rheological, hydrophilicity, thermal and mechanical properties. <i>Cellulose</i> , 2015 , 22, 2431-2441	5.5	28
53	Using Cellulose Nanocrystals as a Sustainable Additive to Enhance Hydrophilicity, Mechanical and Thermal Properties of Poly(vinylidene fluoride)/Poly(methyl methacrylate) Blend. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 574-582	8.3	44
52	Cellulose nanoparticles as modifiers for rheology and fluid loss in bentonite water-based fluids. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5006-16	9.5	232
51	High-water-content mouldable polyvinyl alcohol-borax hydrogels reinforced by well-dispersed cellulose nanoparticles: dynamic rheological properties and hydrogel formation mechanism. <i>Carbohydrate Polymers</i> , 2014 , 102, 306-16	10.3	161
50	Adsorption kinetic and equilibrium studies for methylene blue dye by partially hydrolyzed polyacrylamide/cellulose nanocrystal nanocomposite hydrogels. <i>Chemical Engineering Journal</i> , 2014 , 251, 17-24	14.7	220
49	Sound Transmission Properties of Mineral-filled High-Density Polyethylene (HDPE) and Wood-HDPE Composites. <i>BioResources</i> , 2014 , 10,	1.3	3
48	The Effect of Chemical and High-Pressure Homogenization Treatment Conditions on the Morphology of Cellulose Nanoparticles. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-11	3.2	13
47	Mechanical, thermal expansion, and flammability properties of co-extruded wood polymer composites with basalt fiber reinforced shells. <i>Materials & Design</i> , 2014 , 60, 334-342		66
46	Facile preparation of mouldable polyvinyl alcohol-borax hydrogels reinforced by well-dispersed cellulose nanoparticles: physical, viscoelastic and mechanical properties. <i>Cellulose</i> , 2013 , 20, 2947-2958	5.5	95
45	A facile approach to fabricate porous nanocomposite gels based on partially hydrolyzed polyacrylamide and cellulose nanocrystals for adsorbing methylene blue at low concentrations. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 334-41	12.8	54
44	Effect of high-pressure homogenization on particle size and film properties of soy protein isolate. <i>Industrial Crops and Products</i> , 2013 , 43, 538-544	5.9	162
43	2013 ,		23
42	Effect of Acid Hydrolysis Conditions on the Properties of Cellulose Nanoparticle-Reinforced Polymethylmethacrylate Composites. <i>Materials</i> , 2013 , 7, 16-29	3.5	34
41	Electrospun bio-nanocomposite scaffolds for bone tissue engineering by cellulose nanocrystals reinforcing maleic anhydride grafted PLA. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3847-54	9.5	254
40	Self-assembling behavior of cellulose nanoparticles during freeze-drying: effect of suspension concentration, particle size, crystal structure, and surface charge. <i>Biomacromolecules</i> , 2013 , 14, 1529-40	6.9	312
39	Characterization of cellulose II nanoparticles regenerated from 1-butyl-3-methylimidazolium chloride. <i>Carbohydrate Polymers</i> , 2013 , 94, 773-81	10.3	130
38	Mechanical and physical properties of core-shell structured wood plastic composites: Effect of shells with hybrid mineral and wood fillers. <i>Composites Part B: Engineering</i> , 2013 , 45, 1040-1048	10	41
37	Natural Fiber and Plastic Composites 2013 , 237-285		

36	High Density Polyethylene Composites Reinforced with Hybrid Inorganic Fillers: Morphology, Mechanical and Thermal Expansion Performance. <i>Materials</i> , 2013 , 6, 4122-4138	3.5	60
35	Fractal dimension analysis of void size in wood-strand composites based on X-ray computer tomography images. <i>Holzforschung</i> , 2013 , 67, 177-182	2	5
34	Experimental and numerical analysis of the sound insulation property of wood plastic composites (WPCs) filled with precipitated CaCO ₃ . <i>Holzforschung</i> , 2013 , 67, 301-306	2	9
33	Effect of Fiber Type and Coupling Treatment on Properties of High-Density Polyethylene/Natural Fiber Composites. <i>BioResources</i> , 2013 , 8,	1.3	15
32	Transitional Properties of Cotton Fibers from Cellulose I to Cellulose II Structure. <i>BioResources</i> , 2013 , 8,	1.3	48
31	Asymmetric flow field-flow fractionation with multiangle light scattering detection for characterization of cellulose nanocrystals. <i>Biomacromolecules</i> , 2012 , 13, 2671-9	6.9	18
30	Mechanical properties and in vitro degradation of electrospun bio-nanocomposite mats from PLA and cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2012 , 90, 301-8	10.3	162
29	High density polyethylene and poly(ethylene terephthalate) in situ sub-micro-fibril blends as a matrix for wood plastic composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 73-78	8.4	24
28	Recent Development in Applications of Cellulose Nanocrystals for Advanced Polymer-Based Nanocomposites by Novel Fabrication Strategies 2012 ,		23
27	THERMAL EXPANSION BEHAVIOR OF CO-EXTRUDED WOOD-PLASTIC COMPOSITES WITH GLASS-FIBER REINFORCED SHELLS. <i>BioResources</i> , 2012 , 7,	1.3	19
26	Comparative properties of cellulose nano-crystals from native and mercerized cotton fibers. <i>Cellulose</i> , 2012 , 19, 1173-1187	5.5	147
25	UV-initiated crosslinking of electrospun poly(ethylene oxide) nanofibers with pentaerythritol triacrylate: Effect of irradiation time and incorporated cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2012 , 87, 1779-1786	10.3	51
24	Dynamic rheology studies of in situ polymerization process of polyacrylamide/cellulose nanocrystal composite hydrogels. <i>Colloid and Polymer Science</i> , 2011 , 289, 247-255	2.4	60
23	Rice straw fiber reinforced high density polyethylene composite: Effect of coupled compatibilizing and toughening treatment. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 2214-2222	2.9	19
22	Electrospun polyethylene oxide/cellulose nanocrystal composite nanofibrous mats with homogeneous and heterogeneous microstructures. <i>Biomacromolecules</i> , 2011 , 12, 2617-25	6.9	238
21	Structure and rheology of nanocrystalline cellulose. <i>Carbohydrate Polymers</i> , 2011 , 84, 316-322	10.3	166
20	A novel polyacrylamide nanocomposite hydrogel reinforced with natural chitosan nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 155-62	6	180
19	Application of rod-shaped cellulose nanocrystals in polyacrylamide hydrogels. <i>Journal of Colloid and Interface Science</i> , 2011 , 353, 116-23	9.3	229

18	Chitosan colloidal suspension composed of mechanically disassembled nanofibers. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 637-43	9.3	28
17	Coextruded polyethylene and wood-flour composite: Effect of shell thickness, wood loading, and core quality. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 3594-3601	2.9	36
16	Starch composites reinforced by bamboo cellulosic crystals. <i>Bioresource Technology</i> , 2010 , 101, 2529-36	11	230
15	Wood plastic composites based on microfibrillar blends of high density polyethylene/poly(ethylene terephthalate). <i>Bioresource Technology</i> , 2010 , 101, 3665-71	11	60
14	Fabrication and properties of transparent polymethylmethacrylate/cellulose nanocrystals composites. <i>Bioresource Technology</i> , 2010 , 101, 5685-92	11	227
13	Modeling diameter distributions of poly(N-isopropylacrylamide-co-methacrylic acid) nanoparticles. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 2584-2589	2.9	14
12	Phase structure and properties of poly(ethylene terephthalate)/high-density polyethylene based on recycled materials. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1710-1719	2.9	31
11	Transitional properties of starch colloid with particle size reduction from micro- to nanometer. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 117-24	9.3	203
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9	Preparation of temperature- and pH-sensitive, stimuli-responsive poly(N-isopropylacrylamide-co-methacrylic acid) nanoparticles. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2226-2232	2.9	29
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