

Hongqi Dai

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.

226
papers

5,046
citations

38
h-index

58
g-index

236
ext. papers

6,844
ext. citations

6.3
avg, IF

6.56
L-index

#	Paper	IF	Citations
226	Biopolymer-based membranes from polysaccharides for CO ₂ separation: a review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1083	13.3	3
225	One-dimensional nanohybrids based on cellulose nanocrystals and their SERS performance.. <i>Carbohydrate Polymers</i> , 2022 , 284, 119140	10.3	2
224	Polystyrene sulfonate is effective for enhancing biomass enzymatic saccharification under green liquor pretreatment in bioenergy poplar. 2022 , 15, 10		0
223	Flexible graphene/silver nanoparticles/aluminum film paper for high-performance electromagnetic interference shielding. <i>Materials and Design</i> , 2022 , 213, 110296	8.1	1
222	Phosphomolybdic acid-catalyzed oxidation of waste starch: a new strategy for handling the OCC pulping wastewater.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
221	Heteroatom-doped porous carbon microspheres derived from ionic liquid-lignin solution for high performance supercapacitors.. <i>Journal of Colloid and Interface Science</i> , 2022 , 614, 566-573	9.3	4
220	Fluorescent paper-based analytical devices for ultra-sensitive dual-type RNA detections and accurate gastric cancer screening. <i>Biosensors and Bioelectronics</i> , 2022 , 197, 113781	11.8	7
219	Promoting h-BN dispersion in cellulose-based composite by liginosulfonate for regulatable effectual thermal management. <i>Materials and Design</i> , 2022 , 214, 110379	8.1	2
218	Lignocellulosic nanofibril aerogel via gas phase coagulation and diisocyanate modification for solvent absorption.. <i>Carbohydrate Polymers</i> , 2022 , 278, 119011	10.3	2
217	Antiviral/antibacterial biodegradable cellulose nonwovens as environmentally friendly and bioprotective materials with potential to minimize microplastic pollution. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127391	12.8	9
216	Recent Progress in Direct Production of Furfural from Lignocellulosic Residues and Hemicellulose.. <i>Bioresource Technology</i> , 2022 , 127126	11	4
215	Multifunctional cellulose paper-based materials and their application in complex wastewater treatment.. <i>International Journal of Biological Macromolecules</i> , 2022 , 207, 414-423	7.9	0
214	High flux composite membranes based on glass/cellulose fibers for efficient oil-water emulsion separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 647, 129016	5.1	0
213	Biological Activities and Emerging Roles of Lignin and Lignin-Based Products-A Review. <i>Biomacromolecules</i> , 2021 ,	6.9	17
212	Recent advances in understanding the effects of lignin structural characteristics on enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2021 , 14, 205	7.8	14
211	Evaluating the refractive index, thickness and porosity of ultrathin cellulose nanocrystal films with different polymorphs by SPR technique. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 1209-1209	7.9	1
210	Multilayer surface construction for enhancing barrier properties of cellulose-based packaging. <i>Carbohydrate Polymers</i> , 2021 , 255, 117431	10.3	13

209	Boosting the thermal conductivity of CNF-based composites by cross-linked lignin nanoparticle and BN-OH: Dual construction of 3D thermally conductive pathways. <i>Composites Science and Technology</i> , 2021 , 204, 108641	8.6	16
208	Antimicrobial/Biocompatible Hydrogels Dual-Reinforced by Cellulose as Ultrastretchable and Rapid Self-Healing Wound Dressing. <i>Biomacromolecules</i> , 2021 , 22, 1654-1663	6.9	35
207	Naturally Occurring Exopolysaccharide Nanoparticles: Formation Process and Their Application in Glutathione Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19756-19767	9.5	5
206	Crystallization of Polysaccharides 2021 , 283-300		0
205	Impacts of degree of substitution of quaternary cellulose on the strength improvement of fiber networks. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 41-44	7.9	2
204	Thiomers of Chitosan and Cellulose: Effective Biosorbents for Detection, Removal and Recovery of Metal Ions from Aqueous Medium. <i>Chemical Record</i> , 2021 , 21, 1876-1896	6.6	3
203	Magnetic FeO/attapulgite hybrids for Cd(II) adsorption: Performance, mechanism and recovery. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125237	12.8	10
202	Laccase immobilization onto natural polysaccharides for biosensing and biodegradation. <i>Carbohydrate Polymers</i> , 2021 , 262, 117963	10.3	13
201	Highly fluorescent graphene quantum dots from biorefinery waste for tri-channel sensitive detection of Fe ions. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125096	12.8	26
200	Functionalized Masks: Powerful Materials against COVID-19 and Future Pandemics. <i>Small</i> , 2021 , 17, e2102453		16
199	Binding affinity of family 4 carbohydrate binding module on cellulose films of nanocrystals and nanofibrils. <i>Carbohydrate Polymers</i> , 2021 , 251, 116725	10.3	8
198	Formaldehyde-free self-polymerization of lignin-derived monomers for synthesis of renewable phenolic resin. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 1312-1319	7.9	10
197	Natural lignocellulosic nanofibril film with excellent ultraviolet blocking performance and robust environment resistance. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 1578-1585	7.9	22
196	Ethylene scavengers for the preservation of fruits and vegetables: A review. <i>Food Chemistry</i> , 2021 , 337, 127750	8.5	43
195	Polyhedral oligomeric silsesquioxane/epoxy coatings: a review. <i>Surface Innovations</i> , 2021 , 9, 3-16	1.9	19
194	Novel multi-responsive and sugarcane bagasse cellulose-based nanogels for controllable release of doxorubicin hydrochloride. <i>Materials Science and Engineering C</i> , 2021 , 118, 111357	8.3	10
193	Dual-responsive carboxymethyl cellulose/dopamine/cystamine hydrogels driven by dynamic metal-ligand and redox linkages for controllable release of agrochemical. <i>Carbohydrate Polymers</i> , 2021 , 253, 117188	10.3	13
192	Laccase-catalyzed chitosan-monophenol copolymer as a coating on paper enhances its hydrophobicity and strength. <i>Progress in Organic Coatings</i> , 2021 , 151, 106026	4.8	7

- 191 Recyclable deep eutectic solvent coupling sodium hydroxide post-treatment for boosting woody/herbaceous biomass conversion at mild condition. *Bioresource Technology*, **2021**, 320, 124327 11 13
- 190 Nanocellulose-based lightweight porous materials: A review. *Carbohydrate Polymers*, **2021**, 255, 117489 10.3 35
- 189 Recent advances on the bacterial cellulose-derived carbon aerogels. *Journal of Materials Chemistry C*, **2021**, 9, 818-828 7.1 14
- 188 Thermodynamics of CO₂ adsorption on cellulose-derived biochar prepared in ionic liquid. *Canadian Journal of Chemical Engineering*, **2021**, 99, 1940 2.3 1
- 187 Facile Synthesis of Highly Active Sulfated Titania Nanofibers for Viscous Acid-Catalytic Reactions. *Catalysis Letters*, **2021**, 151, 1376-1384 2.8 2
- 186 Intermolecular interactions between Cyclodextrin and water.. *RSC Advances*, **2021**, 11, 24807-24815 3.7 0
- 185 Effective extraction of aromatic monomers from lignin oil using a binary petroleum ether/dichloromethane solvent. *Separation and Purification Technology*, **2021**, 267, 118599 8.3 9
- 184 Efficient valorization of woody biomass using two-step oxidation toward multipurpose fractionation. *Industrial Crops and Products*, **2021**, 167, 113509 5.9 1
- 183 Ciprofloxacin conjugated gold nanorods with pH induced surface charge transformable activities to combat drug resistant bacteria and their biofilms. *Materials Science and Engineering C*, **2021**, 128, 112292 8.3 4
- 182 Redox- and Enzyme-Responsive Macrospheres Gatekept by Polysaccharides for Controlled Release of Agrochemicals. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 11163-11170 5.7 3
- 181 Benzenesulfonic acid-based hydrotropic system for achieving lignocellulose separation and utilization under mild conditions. *Bioresource Technology*, **2021**, 337, 125379 11 6
- 180 Value-added utilization of lignin-derived aromatic oligomers as renewable charge-storage materials. *Industrial Crops and Products*, **2021**, 171, 113848 5.9 2
- 179 Experimental and kinetic study of the conversion of waste starch into glycolic acid over phosphomolybdic acid.. *RSC Advances*, **2021**, 11, 30961-30970 3.7 0
- 178 Synthetic polymers based on lignin-derived aromatic monomers for high-performance energy-storage materials. *Journal of Materials Chemistry A*, **2020**, 8, 24065-24074 13 6
- 177 Nonisothermal Cure Kinetics of Epoxy/Polyvinylpyrrolidone Functionalized Superparamagnetic Nano-Fe₃O₄ Composites: Effect of Zn and Mn Doping. *Journal of Composites Science*, **2020**, 4, 55 3 9
- 176 Cleaner production of lignocellulosic nanofibrils: Potential of mixed enzymatic treatment. *Journal of Cleaner Production*, **2020**, 270, 122506 10.3 22
- 175 Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. *Polymer Chemistry*, **2020**, 11, 4355-4381 4.9 11
- 174 On-Demand Regulation of Lignocellulosic Nanofibrils Based on Rapid Fractionation Using Acid Hydrotrope: Kinetic Study and Characterization. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 9569-9577 8.3 29

173	Cellulose-based adsorbents loaded with zero-valent iron for removal of metal ions from contaminated water. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 33234-33247	5.1	7
172	N-doped porous carbon nanofibers fabricated by bacterial cellulose-directed templating growth of MOF crystals for efficient oxygen reduction reaction and sodium-ion storage. <i>Carbon</i> , 2020 , 168, 12-21	10.4	31
171	Resource utilization and ionization modification of waste starch from the recycling process of old corrugated cardboard paper. <i>Journal of Environmental Management</i> , 2020 , 271, 111031	7.9	9
170	Functionalized porous magnetic cellulose/FeO beads prepared from ionic liquid for removal of dyes from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 309-316	7.9	42
169	Hydrothermal synthesis of nitrogen-doped ordered mesoporous carbon lysine-assisted self-assembly for efficient CO capture.. <i>RSC Advances</i> , 2020 , 10, 2932-2941	3.7	11
168	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
167	BNNS/PVA bilayer composite film with multiple-improved properties by the synergistic actions of cellulose nanofibrils and lignin nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 259-266	7.9	12
166	Dual-Functional Redox-Responsive Nanocarriers for Loading Phytohormone and Complexation with Heavy Metal Ions. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5076-5085	5.7	3
165	Polycyclodextrins: Synthesis, functionalization, and applications. <i>Carbohydrate Polymers</i> , 2020 , 242, 116277-116278	7.3	18
164	Excellent Low-Temperature Formaldehyde Decomposition Performance over Pt Nanoparticles Directly Loaded on Cellulose Triacetate. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21720-21723	3.9	23
163	Characteristics of as-prepared biochar derived from catalytic pyrolysis within moderate-temperature ionic liquid for CO ₂ uptake. <i>Canadian Journal of Chemical Engineering</i> , 2020 , 98, 690-704	2.3	4
162	Facile isolation of colloidal stable chitin nano-crystals from <i>Metapenaeus ensis</i> shell via solid maleic acid hydrolysis and their application for synthesis of silver nanoparticles. <i>Cellulose</i> , 2020 , 27, 9853-9875	5.5	6
161	Low-cost and high-wet-strength paper-based lignocellulosic adsorbents for the removal of heavy metal ions. <i>Industrial Crops and Products</i> , 2020 , 158, 112926	5.9	7
160	Natural Polymer-Based Antimicrobial Hydrogels without Synthetic Antibiotics as Wound Dressings. <i>Biomacromolecules</i> , 2020 , 21, 2983-3006	6.9	83
159	An antibacterial composite film based on cellulose acetate/TiO ₂ nanoparticles. <i>New Journal of Chemistry</i> , 2020 , 44, 20751-20758	3.6	13
158	Dispersion Properties of Nanocellulose: A Review. <i>Carbohydrate Polymers</i> , 2020 , 250, 116892	10.3	48
157	Diisocyanate modifiable commercial filter paper with tunable hydrophobicity, enhanced wet tensile strength and antibacterial activity. <i>Carbohydrate Polymers</i> , 2020 , 248, 116791	10.3	17
156	Self-healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. <i>Chemical Record</i> , 2020 , 20, 1142-1162	6.6	18

155	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
154	Functional-modified polyurethanes for rendering surfaces antimicrobial: An overview. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102235	14.3	12
153	Methods and applications of nanocellulose loaded with inorganic nanomaterials: A review. <i>Carbohydrate Polymers</i> , 2020 , 229, 115454	10.3	60
152	Layer-by-Layer Assembly for Surface Tethering of Thin-Hydrogel Films: Design Strategies and Applications. <i>Chemical Record</i> , 2020 , 20, 857-881	6.6	10
151	Near-complete enzymatic hydrolysis efficiency of Miscanthus using hydrotropic fractionation at atmospheric pressure. <i>Industrial Crops and Products</i> , 2020 , 149, 112365	5.9	9
150	Green and Superhydrophobic Coatings Based on Tailor-Modified Lignocellulose Nanofibrils for Self-Cleaning Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20323-20330	3.9	10
149	Porous cellulose beads reconstituted from ionic liquid for adsorption of heavy metal ions from aqueous solutions. <i>Cellulose</i> , 2019 , 26, 9163-9178	5.5	20
148	Manufacture of Highly Transparent and Hazy Cellulose Nanofibril Films via Coating TEMPO-Oxidized Wood Fibers. <i>Nanomaterials</i> , 2019 , 9,	5.4	29
147	Highly Efficient Lignin Depolymerization via Effective Inhibition of Condensation during Polyoxometalate-Mediated Oxidation. <i>Energy & Fuels</i> , 2019 , 33, 6483-6490	4.1	16
146	Clustering-Triggered Emission of Carboxymethylated Nanocellulose. <i>Frontiers in Chemistry</i> , 2019 , 7, 4475	5	33
145	Dimethylolurea as a Novel Slow-Release Nitrogen Source for Nitrogen Leaching Mitigation and Crop Production. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 7616-7625	5.7	3
144	Controlled Release of Agrochemicals Using pH and Redox Dual-Responsive Cellulose Nanogels. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6700-6707	5.7	24
143	Rapid Preparation of Oxidized Starch with High Carbonyl Contents Using NaBrO as Oxidizer. <i>Starch/Staerke</i> , 2019 , 71, 1900054	2.3	0
142	Preparation and characterization of amphoteric cellulose/montmorillonite composite beads with a controllable porous structure. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47941	2.9	8
141	Thermal and pH dual-responsive cellulose microfilament spheres for dye removal in single and binary systems. <i>Journal of Hazardous Materials</i> , 2019 , 377, 88-97	12.8	32
140	Bioinspired self-assembled films of carboxymethyl cellulose/dopamine/montmorillonite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14033-14041	13	33
139	Novel cellulose/montmorillonite mesoporous composite beads for dye removal in single and binary systems. <i>Bioresource Technology</i> , 2019 , 286, 121366	11	32
138	Lignocellulosic nanofibrils produced using wheat straw and their pulping solid residue: From agricultural waste to cellulose nanomaterials. <i>Waste Management</i> , 2019 , 91, 1-8	8.6	50

137	Impregnation of PEI in Novel Porous MgCO ₃ for Carbon Dioxide Capture from Flue Gas. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4979-4987	3.9	8
136	Fluorescence-sensitive adsorbent based on cellulose using for mercury detection and removal from aqueous solution with selective "on-off" response. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 1185-1192	7.9	31
135	Valorization of Alkaline Peroxide Mechanical Pulp by Metal Chloride-Assisted Hydrotropic Pretreatment for Enzymatic Saccharification and Cellulose Nanofibrillation. <i>Polymers</i> , 2019 , 11,	4.5	7
134	Thermally Conductive and Electrical Insulation BNNS/CNF Aerogel Nano-Paper. <i>Polymers</i> , 2019 , 11,	4.5	15
133	Highly transparent and thermally stable cellulose nanofibril films functionalized with colored metal ions for ultraviolet blocking activities. <i>Carbohydrate Polymers</i> , 2019 , 213, 10-16	10.3	20
132	Adsorption of volatile organic compounds on peanut shell activated carbon. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 238-246	2.3	15
131	Cationic Polymers with Tailored Structures for Rendering Polysaccharide-Based Materials Antimicrobial: An Overview. <i>Polymers</i> , 2019 , 11,	4.5	33
130	Cellulose Spacer Strategy: Anti-Aggregation-Caused Quenching Membrane for Mercury Ion Detection and Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15182-15189	8.3	15
129	Thermally-induced cellulose nanofibril films with near-complete ultraviolet-blocking and improved water resistance. <i>Carbohydrate Polymers</i> , 2019 , 223, 115050	10.3	16
128	Preparation and characterization of cysteine-formaldehyde cross-linked complex for CO ₂ capture. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 3012-3024	2.3	2
127	Aerogel Perfusion-Prepared h-BN/CNF Composite Film with Multiple Thermally Conductive Pathways and High Thermal Conductivity. <i>Nanomaterials</i> , 2019 , 9,	5.4	17
126	Suppressing Ammonia Re-Emission with the Aid of the CoO-NPs@KIT-6 Catalyst in Ammonia-Based Desulfurization. <i>Environmental Science & Technology</i> , 2019 , 53, 13477-13485	10.3	4
125	Comparison of mixed enzymatic pretreatment and post-treatment for enhancing the cellulose nanofibrillation efficiency. <i>Bioresource Technology</i> , 2019 , 293, 122171	11	30
124	Recyclable and Reusable Maleic Acid for Efficient Production of Cellulose Nanofibrils with Stable Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 20022-20031	8.3	54
123	Revealing Adsorption Behaviors of Amphoteric Polyacrylamide on Cellulose Fibers and Impact on Dry Strength of Fiber Networks. <i>Polymers</i> , 2019 , 11,	4.5	3
122	Thermally conductive, super flexible and flame-retardant BN-OH/PVA composite film reinforced by lignin nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14159-14169	7.1	41
121	Lignin Redistribution for Enhancing Barrier Properties of Cellulose-Based Materials. <i>Polymers</i> , 2019 , 11,	4.5	7
120	Direct Valorization of Lignocellulosic Biomass into Value-Added Chemicals by Polyoxometalate Catalyzed Oxidation under Mild Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22996-23004	3.9	10

119	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
118	Co-site substitution by Mn supported on biomass-derived active carbon for enhancing magnesia desulfurization. <i>Journal of Hazardous Materials</i> , 2019 , 365, 531-537	12.8	21
117	Effect of lignin on performance of lignocellulose nanofibrils for durable superhydrophobic surface. <i>Cellulose</i> , 2019 , 26, 933-944	5.5	21
116	Adsorption of Hg (II) ions from aqueous solution by diethylenetriaminepentaacetic acid-modified cellulose. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 149-156	7.9	48
115	Dye removal from single and binary systems using gel-like bioadsorbent based on functional-modified cellulose. <i>Cellulose</i> , 2018 , 25, 2559-2575	5.5	25
114	Microrheology, advances in methods and insights. <i>Advances in Colloid and Interface Science</i> , 2018 , 257, 71-85	14.3	13
113	Novel Composite Adsorbent Consisting of Dissolved Cellulose Fiber/Microfibrillated Cellulose for Dye Removal from Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6994-7002	8.3	65
112	Characteristics of CO ₂ adsorption on biochar derived from biomass pyrolysis in molten salt. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 2352-2360	2.3	18
111	Contribution of lignin to the surface structure and physical performance of cellulose nanofibrils film. <i>Cellulose</i> , 2018 , 25, 1309-1318	5.5	54
110	Improving cellulose nanofibrillation of waste wheat straw using the combined methods of prewashing, p-toluenesulfonic acid hydrolysis, disk grinding, and endoglucanase post-treatment. <i>Bioresource Technology</i> , 2018 , 256, 321-327	11	51
109	Enhancing physical performance and hydrophobicity of paper-based cellulosic material via impregnation with starch and PEI-KH560. <i>Cellulose</i> , 2018 , 25, 1365-1375	5.5	17
108	Lignin-Containing Cellulose Nanofibril-Reinforced Polyvinyl Alcohol Hydrogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4821-4828	8.3	103
107	Effect of Feedstock Concentration on Biogas Production by Inoculating Rumen Microorganisms in Biomass Solid Waste. <i>Applied Biochemistry and Biotechnology</i> , 2018 , 184, 1219-1231	3.2	3
106	Preparation of Novel Nano-Sized Hydrogel Microcapsules via Layer-By-Layer Assembly as Delivery Vehicles for Drugs onto Hygiene Paper. <i>Polymers</i> , 2018 , 10,	4.5	10
105	Synthesis of Amphiphilic Copolymers Containing Ciprofloxacin and Amine Groups and Their Antimicrobial Performances As Revealed by Confocal Laser-Scanning Microscopy and Atomic-Force Microscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 8406-8414	5.7	4
104	Enhancement of the heat conduction performance of boron nitride/cellulosic fibre insulating composites. <i>PLoS ONE</i> , 2018 , 13, e0200842	3.7	12
103	Temperature and pH responsive cellulose filament/poly (NIPAM-co-AAc) hybrids as novel adsorbent towards Pb(II) removal. <i>Carbohydrate Polymers</i> , 2018 , 195, 495-504	10.3	41
102	Adsorption of methyl violet using pH- and temperature-sensitive cellulose filament/poly(NIPAM-co-AAc) hybrid hydrogels. <i>Journal of Materials Science</i> , 2018 , 53, 11837-11854	4.3	9

101	Morphology control for tunable optical properties of cellulose nanofibrils films. <i>Cellulose</i> , 2018 , 25, 5909-5918	5	16
100	Starch-Based Flexible Coating for Food Packaging Paper with Exceptional Hydrophobicity and Antimicrobial Activity. <i>Polymers</i> , 2018 , 10,	4.5	24
99	Highly Dispersible Cellulose Nanofibrils Produced via Mechanical Pretreatment and TEMPO-mediated Oxidation. <i>Fibers and Polymers</i> , 2018 , 19, 2237-2244	2	6
98	An Aminosalicylic Acid-Modified Cellulose Composite Used for Mercury (II) Removal from Single and Quarternary Aqueous Solutions. <i>ChemistrySelect</i> , 2018 , 3, 10096-10102	1.8	12
97	Immobilizing Laccase on Different Species Wood Biochar to Remove the Chlorinated Biphenyl in Wastewater. <i>Scientific Reports</i> , 2018 , 8, 13947	4.9	16
96	Immobilizing Laccase on Modified Cellulose/CF Beads to Degrade Chlorinated Biphenyl in Wastewater. <i>Polymers</i> , 2018 , 10,	4.5	14
95	Study on cellulose microfilaments based composite spheres: Microwave-assisted synthesis, characterization, and application in pollutant removal. <i>Journal of Environmental Management</i> , 2018 , 228, 85-92	7.9	11
94	Shape memory aerogels from nanocellulose and polyethyleneimine as a novel adsorbent for removal of Cu(II) and Pb(II). <i>Carbohydrate Polymers</i> , 2018 , 196, 376-384	10.3	98
93	Effects of preparation approaches on optical properties of self-assembled cellulose nanopapers. <i>RSC Advances</i> , 2017 , 7, 10463-10468	3.7	28
92	Hydrogen bonding energy determined by molecular dynamics simulation and correlation to properties of thermoplastic starch films. <i>Carbohydrate Polymers</i> , 2017 , 166, 256-263	10.3	18
91	Integrated production of lignin containing cellulose nanocrystals (LCNC) and nanofibrils (LCNF) using an easily recyclable di-carboxylic acid. <i>Carbohydrate Polymers</i> , 2017 , 167, 167-176	10.3	134
90	Preparation of N, N, N-trimethyl chitosan via a novel approach using dimethyl carbonate. <i>Carbohydrate Polymers</i> , 2017 , 169, 83-91	10.3	28
89	Dynamic Flocculation of Ultrafine Particles of Coal-Fired Power Plant Induced by Ionic Polyacrylamides at Bench and Pilot Scales. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12438-12446	3.9	4
88	Effect of fiber drying on properties of lignin containing cellulose nanocrystals and nanofibrils produced through maleic acid hydrolysis. <i>Cellulose</i> , 2017 , 24, 4205-4216	5.5	51
87	High wet-strength, thermally stable and transparent TEMPO-oxidized cellulose nanofibril film via cross-linking with poly-amide epichlorohydrin resin. <i>RSC Advances</i> , 2017 , 7, 31567-31573	3.7	45
86	Antimicrobial paper obtained by dip-coating with modified guanidine-based particle aqueous dispersion. <i>Cellulose</i> , 2017 , 24, 3901-3910	5.5	17
85	Novel aqueous spongy foams made of three-dimensionally dispersed wood-fiber: entrapment and stabilization with NFC/MFC within capillary foams. <i>Cellulose</i> , 2017 , 24, 241-251	5.5	12
84	Microwave Assisted Preparation of Antimicrobial Chitosan with Guanidine Oligomers and Its Application in Hygiene Paper Products. <i>Polymers</i> , 2017 , 9,	4.5	5

83	Preparation of Copolymer-Based Nanoparticles with Broad-Spectrum Antimicrobial Activity. <i>Polymers</i> , 2017 , 9,	4.5	5
82	Microwave Assisted Preparation of Antimicrobial Chitosan with Guanidine Oligomers and Its Application in Hygiene Paper Products. <i>Polymers</i> , 2017 , 9, 633	4.5	1
81	Producing wood-based nanomaterials by rapid fractionation of wood at 80 °C using a recyclable acid hydrotrope. <i>Green Chemistry</i> , 2017 , 19, 3370-3379	10	117
80	Non-leaching antimicrobial biodegradable PBAT films through a facile and novel approach. <i>Materials Science and Engineering C</i> , 2016 , 58, 986-91	8.3	31
79	Effects of oxidant and dopants on the properties of cellulose/PPy conductive composite hydrogels. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	9
78	Antibacterial activities and mechanisms of fluorinated graphene and guanidine-modified graphene. <i>RSC Advances</i> , 2016 , 6, 8763-8772	3.7	19
77	Cellulase-assisted refining of bleached softwood kraft pulp for making water vapor barrier and grease-resistant paper. <i>Cellulose</i> , 2016 , 23, 891-900	5.5	17
76	Controllable defluorination of fluorinated graphene and weakening of C-F bonding under the action of nucleophilic dipolar solvent. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3285-93	3.6	39
75	Amphiphilic cationic copolymers with ciprofloxacin: preparation and antimicrobial activities. <i>New Journal of Chemistry</i> , 2016 , 40, 1354-1364	3.6	10
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