

# Yonghao Ni

## List of Publications by Citations

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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.

265  
papers

6,349  
citations

45  
h-index

63  
g-index

279  
ext. papers

8,794  
ext. citations

7.5  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
265	Jute as raw material for the preparation of microcrystalline cellulose. <i>Cellulose</i> , <b>2011</b> , 18, 451-459	5.5	198
264	3D printing using plant-derived cellulose and its derivatives: A review. <i>Carbohydrate Polymers</i> , <b>2019</b> , 203, 71-86	10.3	144
263	Biocompatible, self-wrinkled, antifreezing and stretchable hydrogel-based wearable sensor with PEDOT:sulfonated lignin as conductive materials. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 1039-1047	14.7	131
262	Houttuynia-derived nitrogen-doped hierarchically porous carbon for high-performance supercapacitor. <i>Carbon</i> , <b>2020</b> , 161, 62-70	10.4	123
261	Ultraflexible Self-Healing Guar Gum-Glycerol Hydrogel with Injectable, Antifreeze, and Strain-Sensitive Properties. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 3397-3404	5.5	107
260	A bionic tactile plastic hydrogel-based electronic skin constructed by a nerve-like nanonetwork combining stretchable, compliant, and self-healing properties. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122271	14.7	97
259	Robust Guar Gum/Cellulose Nanofibrils Multilayer Films with Good Barrier Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5477-5485	9.5	94
258	An integrated transparent, UV-filtering organohydrogel sensor via molecular-level ion conductive channels. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4525-4535	13	90
257	A process for enhancing the accessibility and reactivity of hardwood kraft-based dissolving pulp for viscose rayon production by cellulase treatment. <i>Bioresource Technology</i> , <b>2014</b> , 154, 109-13	11	90
256	Adsorption of polyethylene glycol (PEG) onto cellulose nano-crystals to improve its dispersity. <i>Carbohydrate Polymers</i> , <b>2015</b> , 123, 157-63	10.3	87
255	Cellulose nanocrystal/hexadecyltrimethylammonium bromide/silver nanoparticle composite as a catalyst for reduction of 4-nitrophenol. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 253-258	10.3	84
254	Preparation of cellulose nanocrystals from asparagus ( <i>Asparagus officinalis</i> L.) and their applications to palm oil/water Pickering emulsion. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 1-8	10.3	81
253	Ultrasensitive Physical, Bio, and Chemical Sensors Derived from 1-, 2-, and 3-D Nanocellulosic Materials. <i>Small</i> , <b>2020</b> , 16, e1906567	11	78
252	Cellulose Nanofibers/Reduced Graphene Oxide/Polypyrrole Aerogel Electrodes for High-Capacitance Flexible All-Solid-State Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11175-11185	8.3	77
251	A smart porous wood-supported flower-like NiS/Ni conjunction with vitrimer co-effect as a multifunctional material with reshaping, shape-memory, and self-healing properties for applications in high-performance supercapacitors, catalysts, and sensors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10888-10898	13	76
250	Cellulosic Nanomaterials in Food and Nutraceutical Applications: A Review. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 8-19	5.7	74
249	Anti-freezing and moisturizing conductive hydrogels for strain sensing and moist-electric generation applications. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3109-3118	13	73

248	Ultrasoft Self-Healing Nanoparticle-Hydrogel Composites with Conductive and Magnetic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6395-6403	8.3	71
247	Production of highly electro-conductive cellulosic paper via surface coating of carbon nanotube/graphene oxide nanocomposites using nanocrystalline cellulose as a binder. <i>Cellulose</i> , <b>2014</b> , 21, 4569-4581	5.5	71
246	Synthesis of novel cellulose-based antibacterial composites of Ag nanoparticles@ metal-organic frameworks@ carboxymethylated fibers. <i>Carbohydrate Polymers</i> , <b>2018</b> , 193, 82-88	10.3	70
245	Applications of Cellulose-based Materials in Sustained Drug Delivery Systems. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 2485-2501	4.3	65
244	TEMPO-oxidized cellulose nanofibers (TOCNs) as a green reinforcement for waterborne polyurethane coating (WPU) on wood. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 326-334	10.3	65
243	Ultrafast gelling using sulfonated lignin-Fe <sup>3+</sup> chelates to produce dynamic crosslinked hydrogel/coating with charming stretchable, conductive, self-healing, and ultraviolet-blocking properties. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125341	14.7	64
242	A smart paper@ polyaniline nanofibers incorporated vitrimer bifunctional device with reshaping, shape-memory and self-healing properties applied in high-performance supercapacitors and sensors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125318	14.7	63
241	Recovering/concentrating of hemicellulosic sugars and acetic acid by nanofiltration and reverse osmosis from prehydrolysis liquor of kraft based hardwood dissolving pulp process. <i>Bioresource Technology</i> , <b>2014</b> , 155, 111-5	11	62
240	Lignin-Based Nanoparticles Stabilized Pickering Emulsion for Stability Improvement and Thermal-Controlled Release of trans-Resveratrol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13497-13504	8.3	60
239	Mussel-Inspired Nanocomposite Hydrogel-Based Electrodes with Reusable and Injectable Properties for Human Electrophysiological Signals Detection. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7918-7925	8.3	60
238	Carbohydrates-rich corncobs supported metal-organic frameworks as versatile biosorbents for dye removal and microbial inactivation. <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 115042	10.3	57
237	Cellulose nanocrystals (CNC) as carriers for a spirooxazine dye and its effect on photochromic efficiency. <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 419-24	10.3	57
236	All-Lignin-Based Hydrogel with Fast pH-Stimuli Responsiveness for Mechanical Switching and Actuation. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4324-4330	9.6	55
235	A simple and effective approach to fabricate lignin nanoparticles with tunable sizes based on lignin fractionation. <i>Green Chemistry</i> , <b>2020</b> , 22, 2011-2017	10	55
234	A lignin-containing cellulose hydrogel for lignin fractionation. <i>Green Chemistry</i> , <b>2019</b> , 21, 5222-5230	10	54
233	Preparation of CNC-dispersed Fe <sub>3</sub> O <sub>4</sub> nanoparticles and their application in conductive paper. <i>Carbohydrate Polymers</i> , <b>2015</b> , 126, 175-8	10.3	52
232	Oil/water interfaces of guar gum-based biopolymer hydrogels and application to their separation. <i>Carbohydrate Polymers</i> , <b>2017</b> , 169, 9-15	10.3	50
231	Flexible N-Doped reduced graphene oxide/carbon Nanotube-MnO <sub>2</sub> film as a Multifunctional Material for High-Performance supercapacitors, catalysts and sensors. <i>Journal of Materiomics</i> , <b>2020</b> , 6, 523-531	6.7	50

230	Regenerated cellulose by the Lyocell process, a brief review of the process and properties. <i>BioResources</i> , <b>2018</b> , 13, 4577-4592	1.3	50
229	Modified Ti3C2TX (MXene) nanosheet-catalyzed self-assembled, anti-aggregated, ultra-stretchable, conductive hydrogels for wearable bioelectronics. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126129	14.7	48
228	Ethylene Control Technologies in Extending Postharvest Shelf Life of Climacteric Fruit. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 7308-7319	5.7	47
227	Characterization of high-yield pulp (HYP) by the solute exclusion technique. <i>Bioresource Technology</i> , <b>2009</b> , 100, 6630-4	11	47
226	Facile synthesis of Ag NPs@ MIL-100(Fe)/ guar gum hybrid hydrogel as a versatile photocatalyst for wastewater remediation: Photocatalytic degradation, water/oil separation and bacterial inactivation. <i>Carbohydrate Polymers</i> , <b>2020</b> , 230, 115642	10.3	47
225	Preparation and Characterization of Lignin-Containing Cellulose Nanofibril from Poplar High-Yield Pulp via TEMPO-Mediated Oxidation and Homogenization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 6131-6139	8.3	47
224	Fabrication of thermo- and pH-sensitive cellulose nanofibrils-reinforced hydrogel with biomass nanoparticles. <i>Carbohydrate Polymers</i> , <b>2019</b> , 215, 289-295	10.3	46
223	Enhancing antibacterium and strength of cellulosic paper by coating triclosan-loaded nanofibrillated cellulose (NFC). <i>Carbohydrate Polymers</i> , <b>2015</b> , 117, 996-1001	10.3	46
222	Biopolymers for surface engineering of paper-based products. <i>Cellulose</i> , <b>2014</b> , 21, 3145-3160	5.5	46
221	Multifunctional self-assembling hydrogel from guar gum. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 1044-1051	14.7	46
220	Cellulose-supported magnetic Fe <sub>3</sub> O <sub>4</sub> /MOF composites for enhanced dye removal application. <i>Cellulose</i> , <b>2019</b> , 26, 4909-4920	5.5	45
219	Recovery of lignocelluloses from pre-hydrolysis liquor in the lime kiln of kraft-based dissolving pulp production process by adsorption to lime mud. <i>Bioresource Technology</i> , <b>2011</b> , 102, 10035-9	11	45
218	Mussel-inspired blue-light-activated cellulose-based adhesive hydrogel with fast gelation, rapid haemostasis and antibacterial property for wound healing. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129329	14.7	44
217	Temperature and pH responsive cellulose filament/poly (NIPAM-co-AAc) hybrids as novel adsorbent towards Pb(II) removal. <i>Carbohydrate Polymers</i> , <b>2018</b> , 195, 495-504	10.3	41
216	Preparation of High-Strength Sustainable Lignocellulose Gels and Their Applications for Antiultraviolet Weathering and Dye Removal. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2998-3009	8.3	41
215	Using Green $\gamma$ -Valerolactone/Water Solvent To Decrease Lignin Heterogeneity by Gradient Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10112-10120	8.3	40
214	Fabrication of Bacterial Cellulose/Polyaniline Nanocomposite Paper with Excellent Conductivity, Strength, and Flexibility. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8215-8225	8.3	38
213	A novel method to prepare lignocellulose nanofibrils directly from bamboo chips. <i>Cellulose</i> , <b>2018</b> , 25, 7043-7051	5.5	38

212	Chitosan oligosaccharide-based dual pH responsive nano-micelles for targeted delivery of hydrophobic drugs. <i>Carbohydrate Polymers</i> , <b>2019</b> , 223, 115061	10.3	37
211	Microstructure, distribution and properties of conductive polypyrrole/cellulose fiber composites. <i>Cellulose</i> , <b>2013</b> , 20, 1587-1601	5.5	37
210	Flame retardant nanocomposites based on 2D layered nanomaterials: a review. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 13070-13105	4.3	36
209	A Facile Preparation of Super Long-Term Stable Lignin Nanoparticles from Black Liquor. <i>ChemSusChem</i> , <b>2019</b> , 12, 5239	8.3	36
208	Carbonized wood cell chamber-reduced graphene oxide@PVA flexible conductive material for supercapacitor, strain sensing and moisture-electric generation applications. <i>Chemical Engineering Journal</i> , <b>2021</b> , 418, 129518	14.7	35
207	Preparation of the CNC/Ag/beeswax composites for enhancing antibacterial and water resistance properties of paper. <i>Carbohydrate Polymers</i> , <b>2016</b> , 142, 183-8	10.3	34
206	Green mussel-inspired lignin magnetic nanoparticles with high adsorptive capacity and environmental friendliness for chromium(III) removal. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 478-486	7.9	33
205	Conductive regenerated cellulose film as counter electrode for efficient dye-sensitized solar cells. <i>Cellulose</i> , <b>2018</b> , 25, 5113-5122	5.5	33
204	Combined mechanical and enzymatic treatments for improving the Fock reactivity of hardwood kraft-based dissolving pulp. <i>Cellulose</i> , <b>2015</b> , 22, 803-809	5.5	33
203	Vitrimer-Cellulose Paper Composites: A New Class of Strong, Smart, Green, and Sustainable Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36090-36099	9.5	32
202	Silver nanoparticles-containing dual-function hydrogels based on a guar gum-sodium borohydride system. <i>Scientific Reports</i> , <b>2016</b> , 6, 36497	4.9	32
201	Lignin and cellulose derivatives-induced hydrogel with asymmetrical adhesion, strength, and electriferous properties for wearable bioelectrodes and self-powered sensors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128903	14.7	32
200	A self-healing, stretchable, and conductive Poly(N-vinylpyrrolidone)/gallic acid composite hydrogel formed via hydrogen bonding for wearable electronic sensors. <i>Composites Science and Technology</i> , <b>2020</b> , 198, 108294	8.6	31
199	A self-cleaning and photocatalytic cellulose-fiber-supported "Ag@AgCl@MOF- cloth" membrane for complex wastewater remediation. <i>Carbohydrate Polymers</i> , <b>2020</b> , 247, 116691	10.3	31
198	Organic solar cells based on cellulose nanopaper from agroforestry residues with an efficiency of over 16% and effectively wide-angle light capturing. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5442-5448 <sup>13</sup>	13	31
197	Chemically modified self-doped biocarbon via novel sulfonation assisted sacrificial template method for high performance flexible all solid-state supercapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 574, 33-42	9.3	31
196	Nanocellulose-assisted synthesis of ultrafine Co nanoparticles-loaded bimodal micro-mesoporous N-rich carbon as bifunctional oxygen electrode for Zn-air batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 450, 227640	8.9	30
195	Mechanical pretreatment improving hemicelluloses removal from cellulosic fibers during cold caustic extraction. <i>Bioresource Technology</i> , <b>2015</b> , 192, 501-6	11	29

194	Enhancing hemicelluloses removal from a softwood sulfite pulp. <i>Bioresource Technology</i> , <b>2015</b> , 192, 11-611	29
193	Fast and selective organocatalytic ring-opening polymerization by fluorinated alcohol without a cocatalyst. <i>Nature Communications</i> , <b>2019</b> , 10, 3590	17.4 29
192	Improvement of high-yield pulp properties by using a small amount of bleached wheat straw pulp. <i>Bioresource Technology</i> , <b>2011</b> , 102, 2829-33	11 29
191	Lignin-Directed Control of Silver Nanoparticles with Tunable Size in Porous Lignocellulose Hydrogels and Their Application in Catalytic Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12655-12663	8.3 29
190	Applications of enzymatic technologies to the production of high-quality dissolving pulp: A review. <i>Bioresource Technology</i> , <b>2019</b> , 281, 440-448	11 28
189	A multifunctional self-crosslinked chitosan/cationic guar gum composite hydrogel and its versatile uses in phosphate-containing water treatment and energy storage. <i>Carbohydrate Polymers</i> , <b>2020</b> , 244, 116472	10.3 28
188	Preparation and Characterization of Cellulose-Based Nanofiltration Membranes by Interfacial Polymerization with Piperazine and Trimesoyl Chloride. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 13168-13176	8.3 28
187	Cellulose-based electrospun nanofiber membrane with core-sheath structure and robust photocatalytic activity for simultaneous and efficient oil emulsions separation, dye degradation and Cr(VI) reduction. <i>Carbohydrate Polymers</i> , <b>2021</b> , 258, 117676	10.3 28
186	Synthesis of mesoporous Fe <sub>2</sub> O <sub>3</sub> via sol-gel methods using cellulose nano-crystals (CNC) as template and its photo-catalytic properties. <i>Materials Letters</i> , <b>2015</b> , 159, 218-220	3.3 27
185	Adsorption of Lignocelluloses Dissolved in Prehydrolysis Liquor of Kraft-Based Dissolving Pulp Process on Oxidized Activated Carbons. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 11706-11717	3.9 27
184	Fabrication of carboxymethylated cellulose fibers supporting Ag NPs@MOF-199s nanocatalysts for catalytic reduction of 4-nitrophenol. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4865	3.1 26
183	Effects of Cellulose Nanofibers Filling and Palmitic Acid Emulsions Coating on the Physical Properties of Fish Gelatin Films. <i>Food Biophysics</i> , <b>2017</b> , 12, 23-32	3.2 26
182	Diallyl dimethyl ammonium chloride-grafted cellulose filter membrane via ATRP for selective removal of anionic dye. <i>Cellulose</i> , <b>2018</b> , 25, 7261-7275	5.5 26
181	Development of poly(acrylic acid)/nanofibrillated cellulose superabsorbent composites by ultraviolet light induced polymerization. <i>Cellulose</i> , <b>2015</b> , 22, 2499-2506	5.5 25
180	Palladium nano-catalyst supported on cationic nanocellulose-alginate hydrogel for effective catalytic reactions. <i>Cellulose</i> , <b>2020</b> , 27, 6995-7008	5.5 25
179	Aqueous Dispersion of Carbon Fibers and Expanded Graphite Stabilized from the Addition of Cellulose Nanocrystals to Produce Highly Conductive Cellulose Composites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3291-3298	8.3 25
178	Methods to increase the reactivity of dissolving pulp in the viscose rayon production process: a review. <i>Cellulose</i> , <b>2018</b> , 25, 3733-3753	5.5 25
177	Catalytic Transfer Hydrogenation of Biobased HMF to 2,5-Bis-(Hydroxymethyl)Furan over Ru/Co <sub>3</sub> O <sub>4</sub> . <i>Catalysts</i> , <b>2017</b> , 7, 92	4 25

176	Biomaterials- and biostructures Inspired high-performance flexible stretchable strain sensors: A review. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 129949	14.7	25
175	Improving salt tolerance and thermal stability of cellulose nanofibrils by grafting modification. <i>Carbohydrate Polymers</i> , <b>2019</b> , 211, 257-265	10.3	24
174	An adaptive ionic skin with multiple stimulus responses and moist-electric generation ability. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17498-17506	13	24
173	Nano-Cellulose/MOF Derived Carbon Doped CuO/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite as High Efficient Catalyst for Organic Pollutant Remedy. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	24
172	Self-Healing Cellulose Nanocrystals-Containing Gels via Reshuffling of Thiuram Disulfide Bonds. <i>Polymers</i> , <b>2018</b> , 10,	4.5	24
171	Wearable lignin-based hydrogel electronics: A mini-review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 45-50	7.9	23
170	Fractionation and cellulase treatment for enhancing the properties of kraft-based dissolving pulp. <i>Bioresource Technology</i> , <b>2017</b> , 224, 439-444	11	22
169	Improving dispersion stability of hydrochloric acid hydrolyzed cellulose nano-crystals. <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 115037	10.3	21
168	Lime Treatment of Prehydrolysis Liquor from the Kraft-Based Dissolving Pulp Production Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 662-667	3.9	21
167	Electrically Conductive Fibre Composites Prepared from Polypyrrole-Engineered Pulp Fibres. <i>Canadian Journal of Chemical Engineering</i> , <b>2008</b> , 83, 896-903	2.3	21
166	Influence of Lignins on the Degradation of Cellulose During Ozone Treatment. <i>Journal of Wood Chemistry and Technology</i> , <b>1995</b> , 15, 413-430	2	21
165	Chitin nanofibers as versatile bio-templates of zeolitic imidazolate frameworks for N-doped hierarchically porous carbon electrodes for supercapacitor. <i>Carbohydrate Polymers</i> , <b>2021</b> , 251, 117107	10.3	21
164	Screen printing fabricating patterned and customized full paper-based energy storage devices with excellent photothermal, self-healing, high energy density and good electromagnetic shielding performances. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 97, 190-200	9.1	21
163	Lignocellulose-derived hydrogel/aerogel-based flexible quasi-solid-state supercapacitors with high-performance: a review. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 14233-14264	13	21
162	Highly Selective Conversion of Furfural to Furfural Alcohol or Levulinate Ester in One Pot over ZrO <sub>2</sub> @SBA-15 and Its Kinetic Behavior. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5584-5594	8.3	20
161	Imparting Cellulosic Paper of High Conductivity by Surface Coating of Dispersed Graphite. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 10119-10124	3.9	20
160	Anchoring 20(R)-Ginsenoside Rg3 onto Cellulose Nanocrystals To Increase the Hydroxyl Radical Scavenging Activity. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 7507-7513	8.3	20
159	Pre-cryocrushing of natural carbon precursors to prepare nitrogen, sulfur co-doped porous microcellular carbon as an efficient ORR catalyst. <i>Carbon</i> , <b>2021</b> , 173, 800-808	10.4	20

158	Fabrication of reduced graphene oxide-cellulose nanofibers based hybrid film with good hydrophilicity and conductivity as electrodes of supercapacitor. <i>Cellulose</i> , <b>2021</b> , 28, 3733-3743	5.5	20
157	A facile method for in situ fabrication of silica/cellulose aerogels and their application in CO capture. <i>Carbohydrate Polymers</i> , <b>2020</b> , 236, 116079	10.3	19
156	Lignin-containing cellulose nanocrystals/sodium alginate beads as highly effective adsorbents for cationic organic dyes. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 139, 640-646	7.9	19
155	Super-ductile, injectable, fast self-healing collagen-based hydrogels with multi-responsive and accelerated wound-repair properties. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126756	14.7	19
154	Further Understanding on the Cationic Demand of Dissolved Substances During Peroxide Bleaching of a Spruce TMP. <i>Journal of Wood Chemistry and Technology</i> , <b>2005</b> , 24, 153-168	2	18
153	Chitosan-based Polymer Matrix for Pharmaceutical Excipients and Drug Delivery. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 2502-2513	4.3	18
152	Asymmetrically Patterned Cellulose Nanofibers/Graphene Oxide Composite Film for Humidity Sensing and Moist-Induced Electricity Generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55205-55214	9.5	18
151	Fabrication of high value cellulose nanofibers@Ni foam by non carbonization: various application developed during the preparation. <i>Cellulose</i> , <b>2021</b> , 28, 1455-1468	5.5	18
150	Cellulase pretreatment for enhancing cold caustic extraction-based separation of hemicelluloses and cellulose from cellulosic fibers. <i>Bioresource Technology</i> , <b>2018</b> , 251, 1-6	11	18
149	C-nanocoated ZnO by TEMPO-oxidized cellulose templating for improved photocatalytic performance. <i>Carbohydrate Polymers</i> , <b>2020</b> , 235, 115958	10.3	17
148	Mild One-Pot Lignocellulose Fractionation Based on Acid-Catalyzed Biphasic Water/Phenol System to Enhance Components Processability. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2772-2782	8.3	17
147	Spider web-inspired ultra-stable 3D Ti3C2TX (MXene) hydrogels constructed by temporary ultrasonic alignment and permanent in-situ self-assembly fixation. <i>Composites Part B: Engineering</i> , <b>2020</b> , 197, 108187	10	17
146	Ultra-low pressure cellulose-based nanofiltration membrane fabricated on layer-by-layer assembly for efficient sodium chloride removal. <i>Carbohydrate Polymers</i> , <b>2021</b> , 255, 117352	10.3	17
145	Integrating phosphotungstic acid-assisted prerefining with cellulase treatment for enhancing the reactivity of kraft-based dissolving pulp. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124283	11	17
144	A New Kind of Nonconventional Luminogen Based on Aliphatic Polyhydroxyurethane and Its Potential Application in Ink-Free Anticounterfeiting Printing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 11005-11015	9.5	16
143	Sustainable and Biodegradable Copolymers from SO2 and Renewable Eugenol: A Novel Urea Fertilizer Coating Material with Superior Slow Release Performance. <i>Macromolecules</i> , <b>2020</b> , 53, 936-945	5.5	16
142	Fiber Quality Analysis: OpTest Fiber Quality Analyzer versus L&W Fiber Tester. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 12572-12578	3.9	16
141	Separation of hemicellulose and cellulose from wood pulp using a $\gamma$ -Valerolactone (GVL)/water mixture. <i>Separation and Purification Technology</i> , <b>2020</b> , 248, 117071	8.3	16



140	Microwave-Assisted Catalytic Cleavage of C <sub>α</sub> Bond in Lignin Models by Bifunctional Pt/CDC-SiC. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 38-43	8.3	16
139	A cellulose-based nanofiltration membrane with a stable three-layer structure for the treatment of drinking water. <i>Cellulose</i> , <b>2020</b> , 27, 8237-8253	5.5	16
138	Using carboxylated cellulose nanofibers to enhance mechanical and barrier properties of collagen fiber film by electrostatic interaction. <i>Journal of the Science of Food and Agriculture</i> , <b>2018</b> , 98, 3089-3097	4.3	16
137	Lignin sulfonate induced ultrafast polymerization of double network hydrogels with anti-freezing, high strength and conductivity and their sensing applications at extremely cold conditions. <i>Composites Part B: Engineering</i> , <b>2021</b> , 217, 108879	10	16
136	Green and sustainable cellulose-derived humidity sensors: A review. <i>Carbohydrate Polymers</i> , <b>2021</b> , 270, 118385	10.3	16
135	A highly efficient thermo responsive palladium nanoparticles incorporated guar gum hydrogel for effective catalytic reactions. <i>Carbohydrate Polymers</i> , <b>2019</b> , 226, 115289	10.3	15
134	Injectable all-polysaccharide self-assembling hydrogel: a promising scaffold for localized therapeutic proteins. <i>Cellulose</i> , <b>2019</b> , 26, 6891-6901	5.5	15
133	Stabilization of Pickering emulsions with cellulose nanofibers derived from oil palm fruit bunch. <i>Cellulose</i> , <b>2020</b> , 27, 839-851	5.5	15
132	Conductive Regenerated Cellulose Film and Its Electronic Devices - A Review. <i>Carbohydrate Polymers</i> , <b>2020</b> , 250, 116969	10.3	15
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129	Nature-inspired self-powered cellulose nanofibrils hydrogels with high sensitivity and mechanical adaptability. <i>Carbohydrate Polymers</i> , <b>2021</b> , 264, 117995	10.3	15
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124	Cellulosic Cr(salen) complex as an efficient and recyclable catalyst for copolymerization of SO with epoxide. <i>Carbohydrate Polymers</i> , <b>2018</b> , 194, 170-176	10.3	14
123	Heteropoly acid catalytic treatment for reactivity enhancement and viscosity control of dissolving pulp. <i>Bioresource Technology</i> , <b>2018</b> , 253, 182-187	11	14

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119	High efficiency pyrolysis of used cigarette filters for ester-rich bio-oil through microwave-assisted heating. <i>Journal of Cleaner Production</i> , <b>2020</b> , 257, 120596	10.3	13
118	Enhanced enzymatic hydrolysis of cellulose from waste paper fibers by cationic polymers addition. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 248-254	10.3	13
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115	Self-assembled all-polysaccharide hydrogel film for versatile paper-based food packaging. <i>Carbohydrate Polymers</i> , <b>2021</b> , 271, 118425	10.3	13
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109	Use of sulfated cellulose nanocrystals towards stability enhancement of gelatin-encapsulated tea polyphenols. <i>Cellulose</i> , <b>2018</b> , 25, 5157-5173	5.5	12
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107	Transparent and conductive cellulose film by controllably growing aluminum doped zinc oxide on regenerated cellulose film. <i>Cellulose</i> , <b>2020</b> , 27, 4847-4855	5.5	11
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84	A bioinspired gallol-functionalized collagen as wet-tissue adhesive for biomedical applications. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 127962	14.7	8
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51	Design of Fe-Rich, High-Conductivity Lignin Hydrogels for Supercapacitor and Sensor Applications.. <i>Biomacromolecules</i> , <b>2022</b> ,	6.9	4

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30	Photochromic nanocellulose composite films with excellent anti-UV capacity. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
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13	Comparison of single-stage and two-stage hydrothermal pretreatments for improving hemicellulose separation from bamboo chips. <i>Wood Science and Technology</i> , <b>2020</b> , 54, 547-557	2.5	0
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6	What are the differences between caustic extractions of Cl2 and of ClO2 bleached pulps?. <i>Nordic Pulp and Paper Research Journal</i> , <b>1995</b> , 10, 57-61	1.1	
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