Yonghao Ni

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.

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	Design of Fe-Rich, High-Conductivity Lignin Hydrogels for Supercapacitor and Sensor Applications.. *Biomacromolecules*, **2022**,	6.9	4
264	Recent advances on cellulose-based nanofiltration membranes and their applications in drinking water purification: A review. *Journal of Cleaner Production*, **2022**, 333, 130171	10.3	6
263	Near-Infrared Shielding Performance of Tungsten-Doped Tin Dioxide Nanoparticles. *Industrial & Engineering Chemistry Research*, **2022**, 61, 1578-1587	3.9	0
262	Novel functionalization of ZIF-67 for an efficient broad-spectrum photocatalyst: formaldehyde degradation at room temperature. *New Journal of Chemistry*, **2022**, 46, 2962-2970	3.6	0
261	Tannic acid modified hemicellulose nanoparticle reinforced ionic hydrogels with multi-functions for human motion strain sensor applications. *Industrial Crops and Products*, **2022**, 176, 114412	5.9	2
260	Lignin reinforced hydrogels with fast self-recovery, multi-functionalities via calcium ion bridging for flexible smart sensing applications.. *International Journal of Biological Macromolecules*, **2022**, 200, 226-233	7.9	3
259	Design of asymmetric-adhesion lignin reinforced hydrogels with anti-interference for strain sensing and moist air induced electricity generator.. *International Journal of Biological Macromolecules*, **2022**, 201, 104-110	7.9	1
258	Modification of PEDOT:PSS towards high-efficiency OLED electrode via synergistic effect of carboxy and phenol groups from biomass derivatives. *Chemical Engineering Journal*, **2022**, 430, 133014	14.7	1
257	Research progress of smart response composite hydrogels based on nanocellulose. *Carbohydrate Polymers*, **2022**, 275, 118741	10.3	6
256	Highly transparent RCF/PTFE humidity and IR light dual-driven actuator with high force density, sensitivity and stability. *Applied Surface Science*, **2022**, 572, 151502	6.7	1
255	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. *Journal of Materials Science and Technology*, **2022**, 97, 190-200	9.1	21
254	Mussel-Inspired Magnetic Dissolving Pulp Fibers Toward the Adsorption and Degradation of Organic Dyes.. *Frontiers in Chemistry*, **2022**, 10, 840133	5	
253	An environmentally friendly and highly transparent ZnO/cellulose nanocomposite membrane for UV sensing and shielding. *Cellulose*, **2022**, 29, 4439	5.5	0
252	Nanolignin filled conductive hydrogel with improved mechanical, anti-freezing, UV-shielding and transparent properties for strain sensing application.. *International Journal of Biological Macromolecules*, **2022**, 205, 442-451	7.9	4
251	TEMPO-mediated oxidized cellulose nanofibers-Cd2+ derived hierarchically porous carbon aerogel for oxygen reduction electrocatalysis. *Journal of Electroanalytical Chemistry*, **2022**, 910, 116168	4.1	2
250	High lignin containing hydrogels with excellent conducting, self-healing, antibacterial, dye adsorbing, sensing, moist-induced power generating and supercapacitance properties.. *International Journal of Biological Macromolecules*, **2022**,	7.9	2
249	Role of nanocellulose in colored paper preparation.. *International Journal of Biological Macromolecules*, **2022**, 206, 355-362	7.9	0

248	Towards sustainable oil/gas fracking by reusing its process water: A review on fundamentals, challenges, and opportunities. *Journal of Petroleum Science and Engineering*, **2022**, 213, 110422	4.4	3
247	Plant-inspired conductive adhesive organohydrogel with extreme environmental tolerance as a wearable dressing for multifunctional sensors.. *Colloids and Surfaces B: Biointerfaces*, **2022**, 215, 112509	6	1
246	Achieving Higher Signal Response Than Splitless GC Injection by High-Pressure Headspace Sampling and Full Evaporation Technique. *Chromatographia*, **2022**, 85, 507	2.1	
245	Molded fiber and pulp products as green and sustainable alternatives to plastics: A mini review. *Journal of Bioresources and Bioproducts*, **2022**, 7, 14-25	18.7	2
244	Immobilization and Characterization of Pectinase onto the Cationic Polystyrene Resin. *ACS Omega*, **2021**, 6, 31683-31688	3.9	1
243	Development of stable agar/carrageenan-FeO-Klebsiella pneumoniae composite beads for efficient phenol degradation. *Environmental Research*, **2021**, 112454	7.9	0
242	Lignin reinforced hydrogels with multi-functional sensing and moist-electric generating applications. *International Journal of Biological Macromolecules*, **2021**, 193, 941-947	7.9	5
241	Nano-SiO2 used with cationic polymer to improve the strength of sack paper. *BioResources*, **2021**, 16, 3348-3359	1.3	
240	Pre-cryocrushing of natural carbon precursors to prepare nitrogen, sulfur co-doped porous microcellular carbon as an efficient ORR catalyst. *Carbon*, **2021**, 173, 800-808	10.4	20
239	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. *Carbohydrate Polymers*, **2021**, 258, 117676	10.3	28
238	A chitosan/dopamine-TiO2 composite nanofiltration membrane for antifouling in water purification. *Cellulose*, **2021**, 28, 4959-4973	5.5	4
237	Transparent, smooth, and sustainable cellulose-derived conductive film applied for the flexible electronic device. *Carbohydrate Polymers*, **2021**, 260, 117820	10.3	5
236	A green all-polysaccharide hydrogel platform for sensing and electricity harvesting/storage. *Journal of Power Sources*, **2021**, 493, 229711	8.9	10
235	Lignin and cellulose derivatives-induced hydrogel with asymmetrical adhesion, strength, and electriferous properties for wearable bioelectrodes and self-powered sensors. *Chemical Engineering Journal*, **2021**, 414, 128903	14.7	32
234	Biocompatible Catechol-Functionalized Cellulose-Based Adhesives with Strong Water Resistance. *Macromolecular Materials and Engineering*, **2021**, 306, 2100232	3.9	5
233	Wearable lignin-based hydrogel electronics: A mini-review. *International Journal of Biological Macromolecules*, **2021**, 181, 45-50	7.9	23
232	High-Yield and High-Efficiency Conversion of HMF to Levulinic Acid in a Green and Facile Catalytic Process by a Dual-Function Brønsted-Lewis Acid HScCl Catalyst. *ACS Omega*, **2021**, 6, 15940-15947	3.9	2
231	New Kind of Lignin/Polyhydroxyurethane Composite: Green Synthesis, Smart Properties, Promising Applications, and Good Reprocessability and Recyclability. *ACS Applied Materials & Interfaces*, **2021**, 13, 28938-28948	9.5	12

230	An all-paper, scalable and flexible supercapacitor based on vertically aligned polyaniline (PANI) nano-dendrites@fibers. *Journal of Power Sources*, **2021**, 498, 229886	8.9	14
229	Ultra-low pressure cellulose-based nanofiltration membrane fabricated on layer-by-layer assembly for efficient sodium chloride removal. *Carbohydrate Polymers*, **2021**, 255, 117352	10.3	17
228	A Synthetic Method for Site-Specific Functionalized Polypeptides: Metal-Free, Highly Active, and Selective at Room Temperature. *Angewandte Chemie*, **2021**, 133, 902-908	3.6	2
227	Chitin nanofibers as versatile bio-templates of zeolitic imidazolate frameworks for N-doped hierarchically porous carbon electrodes for supercapacitor. *Carbohydrate Polymers*, **2021**, 251, 117107	10.3	21
226	Super-ductile, injectable, fast self-healing collagen-based hydrogels with multi-responsive and accelerated wound-repair properties. *Chemical Engineering Journal*, **2021**, 405, 126756	14.7	19
225	Integrating phosphotungstic acid-assisted prerefining with cellulase treatment for enhancing the reactivity of kraft-based dissolving pulp. *Bioresource Technology*, **2021**, 320, 124283	11	17
224	Fruit-battery-inspired self-powered stretchable hydrogel-based ionic skin that works effectively in extreme environments. *Journal of Materials Chemistry A*, **2021**, 9, 3968-3975	13	12
223	A bioinspired gallol-functionalized collagen as wet-tissue adhesive for biomedical applications. *Chemical Engineering Journal*, **2021**, 417, 127962	14.7	8
222	Alternative initiatives for non-wood chemical pulping and integration with the biorefinery concept: A review. *Biofuels, Bioproducts and Biorefining*, **2021**, 15, 100-118	5.3	9
221	A Synthetic Method for Site-Specific Functionalized Polypeptides: Metal-Free, Highly Active, and Selective at Room Temperature. *Angewandte Chemie - International Edition*, **2021**, 60, 889-895	16.4	7
220	Converting bleached hardwood kraft pulp to dissolving pulp by using organic electrolyte solutions. *Cellulose*, **2021**, 28, 1311-1320	5.5	2
219	Fabrication of high value cellulose nanofibers@Ni foam by non carbonization: various application developed during the preparation. *Cellulose*, **2021**, 28, 1455-1468	5.5	18
218	Breaking the lignin conversion bottleneck for multiple products: Co-production of aryl monomers and carbon nanospheres using one-step catalyst-free depolymerization. *Fuel*, **2021**, 285, 119211	7.1	15
217	Fabrication of reduced graphene oxide-cellulose nanofibers based hybrid film with good hydrophilicity and conductivity as electrodes of supercapacitor. *Cellulose*, **2021**, 28, 3733-3743	5.5	20
216	Novel melamine-based porous organic materials as metal-free catalysts for copolymerization of SO2 with epoxide. *Polymer*, **2021**, 217, 123434	3.9	2
215	Improving the sensitivity of cellulose fiber-based lateral flow assay by incorporating a water-dissolvable polyvinyl alcohol dam. *Cellulose*, **2021**, 28, 1-11	5.5	4
214	Lignin sulfonate induced ultrafast polymerization of double network hydrogels with anti-freezing, high strength and conductivity and their sensing applications at extremely cold conditions. *Composites Part B: Engineering*, **2021**, 217, 108879	10	16
213	Nature-inspired self-powered cellulose nanofibrils hydrogels with high sensitivity and mechanical adaptability. *Carbohydrate Polymers*, **2021**, 264, 117995	10.3	15

212	An oriented Fe-regulated lignin-based hydrogel with desired softness, conductivity, stretchability, and asymmetric adhesiveness towards anti-interference pressure sensors. *International Journal of Biological Macromolecules*, **2021**, 184, 282-288	7.9	8
211	Tendon-inspired fibers from liquid crystalline collagen as the pre-oriented bioink. *International Journal of Biological Macromolecules*, **2021**, 185, 739-749	7.9	3
210	Non-Wood Fibers: Relationships of Fiber Properties with Pulp Properties. *ACS Omega*, **2021**, 6, 21613-21622	3.7	8
209	Mussel-inspired blue-light-activated cellulose-based adhesive hydrogel with fast gelation, rapid haemostasis and antibacterial property for wound healing. *Chemical Engineering Journal*, **2021**, 417, 129329	14.7	44
208	Carbonized wood cell chamber-reduced graphene oxide@PVA flexible conductive material for supercapacitor, strain sensing and moisture-electric generation applications. *Chemical Engineering Journal*, **2021**, 418, 129518	14.7	35
207	Preparation of lignosulfonate ionic hydrogels for supercapacitors, sensors and dye adsorbent applications. *International Journal of Biological Macromolecules*, **2021**, 187, 189-199	7.9	9
206	A multifunctional nanocellulose-based hydrogel for strain sensing and self-powering applications. *Carbohydrate Polymers*, **2021**, 268, 118210	10.3	10
205	Construction of flexible cellulose nanofiber fiber@graphene quantum dots hybrid film applied in supercapacitor and sensor. *Cellulose*, **2021**, 28, 10359	5.5	4
204	Carbonized porous wood as an effective scaffold for loading flower-like CoS, NiS nanofibers with Co, Ni nanoparticles served as electrode material for high-performance supercapacitors. *Industrial Crops and Products*, **2021**, 167, 113545	5.9	8
203	Green and sustainable cellulose-derived humidity sensors: A review. *Carbohydrate Polymers*, **2021**, 270, 118385	10.3	16
202	Lignin nanofiller-reinforced composites hydrogels with long-lasting adhesiveness, toughness, excellent self-healing, conducting, ultraviolet-blocking and antibacterial properties. *Composites Part B: Engineering*, **2021**, 225, 109316	10	10
201	Coordination-driven hierarchically structured composites with N-CNTs-grafted graphene-confined ultra-small Co nanoparticles as effective oxygen electrocatalyst in rechargeable Zn-air battery. *Ceramics International*, **2021**, 47, 30091-30098	5.1	4
200	Self-assembled all-polysaccharide hydrogel film for versatile paper-based food packaging. *Carbohydrate Polymers*, **2021**, 271, 118425	10.3	13
199	Biomaterials- and biostructures Inspired high-performance flexible stretchable strain sensors: A review. *Chemical Engineering Journal*, **2021**, 425, 129949	14.7	25
198	A thin and flexible solid electrolyte templated by controllable porous nanocomposites toward extremely high performance all-solid-state lithium-ion batteries. *Chemical Engineering Journal*, **2021**, 425, 130632	14.7	6
197	Cellulose-based flexible organic light-emitting diodes with enhanced stability and external quantum efficiency. *Journal of Materials Chemistry C*, **2021**, 9, 4496-4504	7.1	5
196	3D hollow-structured hydrogels with editable macrostructure, function, and mechanical properties induced by segmented adjustments.. *RSC Advances*, **2021**, 11, 26876-26882	3.7	
195	Lignocellulose-derived hydrogel/aerogel-based flexible quasi-solid-state supercapacitors with high-performance: a review. *Journal of Materials Chemistry A*, **2021**, 9, 14233-14264	13	21

194	Co-N-Doped Directional Multichannel PAN/CA-Based Electrospun Carbon Nanofibers as High-Efficiency Bifunctional Oxygen Electrocatalysts for Zn–Air Batteries. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 17068-17077	8.3	4
193	Fabrication of lignin nanospheres by emulsification in a binary γ-valerolactone/glycerol system and their application as a bifunctional reducer and carrier for Pd nanoparticles with enhanced catalytic activity. *Green Chemistry*, **2020**, 22, 8594-8603	10	14
192	Palladium nano-catalyst supported on cationic nanocellulose–alginate hydrogel for effective catalytic reactions. *Cellulose*, **2020**, 27, 6995-7008	5.5	25
191	All-Lignin-Based Hydrogel with Fast pH-Stimuli Responsiveness for Mechanical Switching and Actuation. *Chemistry of Materials*, **2020**, 32, 4324-4330	9.6	55
190	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. *Journal of Materials Chemistry A*, **2020**, 8, 10898-10908	13	76
189	A multifunctional self-crosslinked chitosan/cationic guar gum composite hydrogel and its versatile uses in phosphate-containing water treatment and energy storage. *Carbohydrate Polymers*, **2020**, 244, 116472	10.3	28
188	Water molecule "spinning cutter" controllably improving the performance of cellulosic fibers. *Cellulose*, **2020**, 27, 7297-7306	5.5	4
187	Ultrafast gelling using sulfonated lignin-Fe3+ chelates to produce dynamic crosslinked hydrogel/coating with charming stretchable, conductive, self-healing, and ultraviolet-blocking properties. *Chemical Engineering Journal*, **2020**, 396, 125341	14.7	64
186	Quantification of N-methyl morpholine N-oxide in biorefinery process solution by headspace gas chromatography. *Cellulose*, **2020**, 27, 6861-6870	5.5	2
185	A self-healing, stretchable, and conductive Poly(N-vinylpyrrolidone)/gallic acid composite hydrogel formed via hydrogen bonding for wearable electronic sensors. *Composites Science and Technology*, **2020**, 198, 108294	8.6	31
184	Highly Selective Conversion of Furfural to Furfural Alcohol or Levulinate Ester in One Pot over ZrO2@SBA-15 and Its Kinetic Behavior. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5584-5594	8.3	20
183	Conversion of Loblolly pine biomass residues to bio-oil in a two-step process: Fast pyrolysis in the presence of zeolite and catalytic hydrogenation. *Industrial Crops and Products*, **2020**, 148, 112318	5.9	10
182	Novel Modification of Collagen: Realizing Desired Water Solubility and Thermostability in a Conflict-Free Way. *ACS Omega*, **2020**, 5, 5772-5780	3.9	6
181	Biochars from Lignin-rich Residue of Furfural Manufacturing Process for Heavy Metal Ions Remediation. *Materials*, **2020**, 13,	3.5	6
180	A smart paper@polyaniline nanofibers incorporated vitrimer bifunctional device with reshaping, shape-memory and self-healing properties applied in high-performance supercapacitors and sensors. *Chemical Engineering Journal*, **2020**, 396, 125318	14.7	63
179	A self-cleaning and photocatalytic cellulose-fiber- supported "Ag@AgCl@MOF- cloth" membrane for complex wastewater remediation. *Carbohydrate Polymers*, **2020**, 247, 116691	10.3	31
178	Modified Ti3C2TX (MXene) nanosheet-catalyzed self-assembled, anti-aggregated, ultra-stretchable, conductive hydrogels for wearable bioelectronics. *Chemical Engineering Journal*, **2020**, 401, 126129	14.7	48
177	Mild potassium hydroxide-based alkaline integrated biorefinery process of Kash (Saccharum spontaneum). *Industrial Crops and Products*, **2020**, 154, 112738	5.9	3

176	Preparation and Characterization of Various Kraft Lignins and Impact on Their Pyrolysis Behaviors. *Industrial & Engineering Chemistry Research*, **2020**, 59, 3310-3320	3.9	9
175	C-nanocoated ZnO by TEMPO-oxidized cellulose templating for improved photocatalytic performance. *Carbohydrate Polymers*, **2020**, 235, 115958	10.3	17
174	A New Kind of Nonconventional Luminogen Based on Aliphatic Polyhydroxyurethane and Its Potential Application in Ink-Free Anticounterfeiting Printing. *ACS Applied Materials & Interfaces* , **2020**, 12, 11005-11015	9.5	16
173	High efficiency pyrolysis of used cigarette filters for ester-rich bio-oil through microwave-assisted heating. *Journal of Cleaner Production*, **2020**, 257, 120596	10.3	13
172	A simple and effective approach to fabricate lignin nanoparticles with tunable sizes based on lignin fractionation. *Green Chemistry*, **2020**, 22, 2011-2017	10	55
171	Comparison of single-stage and two-stage hydrothermal pretreatments for improving hemicellulose separation from bamboo chips. *Wood Science and Technology*, **2020**, 54, 547-557	2.5	0
170	A facile method for in situ fabrication of silica/cellulose aerogels and their application in CO capture. *Carbohydrate Polymers*, **2020**, 236, 116079	10.3	19
169	Efficient Fractionation of Corn Stover for Biorefinery Using a Sustainable Pathway. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3454-3464	8.3	12
168	Organic solar cells based on cellulose nanopaper from agroforestry residues with an efficiency of over 16% and effectively wide-angle light capturing. *Journal of Materials Chemistry A*, **2020**, 8, 5442-5448	13	31
167	Mild One-Pot Lignocellulose Fractionation Based on Acid-Catalyzed Biphasic Water/Phenol System to Enhance Components Processability. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2772-2782	8.3	17
166	Sustainable and Biodegradable Copolymers from SO2 and Renewable Eugenol: A Novel Urea Fertilizer Coating Material with Superio Slow Release Performance. *Macromolecules*, **2020**, 53, 936-945	5.5	16
165	Superhydrophobic wood grafted by poly(2-(perfluorooctyl)ethyl methacrylate) via ATRP with self-cleaning, abrasion resistance and anti-mold properties. *Holzforschung*, **2020**, 74, 799-809	2	9
164	Transparent and conductive cellulose film by controllably growing aluminum doped zinc oxide on regenerated cellulose film. *Cellulose*, **2020**, 27, 4847-4855	5.5	11
163	Flexible N-Doped reduced graphene oxide/carbon Nanotube-MnO2 film as a Multifunctional Material for High-Performance supercapacitors, catalysts and sensors. *Journal of Materiomics*, **2020**, 6, 523-531	6.7	50
162	Effect of using regenerated combined FAU and MOR zeolites as catalysts during the pyrolysis of kraft lignin. *BioResources*, **2020**, 16, 417-440	1.3	2
161	Chitosan-Nanocellulose Composites for Regenerative Medicine Applications. *Current Medicinal Chemistry*, **2020**, 27, 4584-4592	4.3	9
160	Study on the Anti-Biodegradation Property of Tunicate Cellulose. *Polymers*, **2020**, 12,	4.5	3
159	Flexible and conductive cellulose substrate by layered growth of silver nanowires and indium-doped tin oxide. *BioResources*, **2020**, 15, 4699-4710	1.3	1

158	Spider web-inspired ultra-stable 3D Ti3C2TX (MXene) hydrogels constructed by temporary ultrasonic alignment and permanent in-situ self-assembly fixation. *Composites Part B: Engineering*, **2020**, 197, 108187	10	17
157	Separation of hemicellulose and cellulose from wood pulp using a γ-valerolactone (GVL)/water mixture. *Separation and Purification Technology*, **2020**, 248, 117071	8.3	16
156	Stabilization of Pickering emulsions with cellulose nanofibers derived from oil palm fruit bunch. *Cellulose*, **2020**, 27, 839-851	5.5	15
155	Houttuynia-derived nitrogen-doped hierarchically porous carbon for high-performance supercapacitor. *Carbon*, **2020**, 161, 62-70	10.4	123
154	Anti-freezing and moisturizing conductive hydrogels for strain sensing and moist-electric generation applications. *Journal of Materials Chemistry A*, **2020**, 8, 3109-3118	13	73
153	Nanocellulose-assisted synthesis of ultrafine Co nanoparticles-loaded bimodal micro-mesoporous N-rich carbon as bifunctional oxygen electrode for Zn-air batteries. *Journal of Power Sources*, **2020**, 450, 227640	8.9	30
152	Microwave-Assisted Catalytic Cleavage of C□ Bond in Lignin Models by Bifunctional Pt/CDC-SiC. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 38-43	8.3	16
151	Effects of hemicellulose content on TEMPO-mediated selective oxidation, and the properties of films prepared from bleached chemical pulp. *Cellulose*, **2020**, 27, 1043-1054	5.5	1
150	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. *Carbohydrate Polymers*, **2020**, 230, 115642	10.3	47
149	Conductive Regenerated Cellulose Film and Its Electronic Devices - A Review. *Carbohydrate Polymers*, **2020**, 250, 116969	10.3	15
148	Dialdehyde modified cellulose nanofibers enhanced the physical properties of decorative paper impregnated by aldehyde-free adhesive. *Carbohydrate Polymers*, **2020**, 250, 116941	10.3	6
147	Insight on adsorption of cellulase on wet ground corncob residues and its evaluation by multivariate linear analysis. *Bioresource Technology*, **2020**, 318, 124107	11	4
146	A three dimensional interconnected Li7La3Zr2O12 framework composite solid electrolyte utilizing lignosulfonate/ cellulose nanofiber bio-template for high performance lithium ion batteries. *Journal of Power Sources*, **2020**, 477, 228752	8.9	8
145	Super-stable, solvent-resistant and uniform lignin nanorods and nanospheres with a high yield in a mild and facile process. *Green Chemistry*, **2020**, 22, 8734-8744	10	9
144	Asymmetrically Patterned Cellulose Nanofibers/Graphene Oxide Composite Film for Humidity Sensing and Moist-Induced Electricity Generation. *ACS Applied Materials & Interfaces*, **2020**, 12, 55205-55214	9.5	18
143	A cellulose-based nanofiltration membrane with a stable three-layer structure for the treatment of drinking water. *Cellulose*, **2020**, 27, 8237-8253	5.5	16
142	Lignin-Directed Control of Silver Nanoparticles with Tunable Size in Porous Lignocellulose Hydrogels and Their Application in Catalytic Reduction. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12655-12663	8.3	29
141	Improving enzymatic hydrolysis of mechanically refined poplar branches with assistance of hydrothermal and Fenton pretreatment. *Bioresource Technology*, **2020**, 316, 123920	11	15

140	An adaptive ionic skin with multiple stimulus responses and moist-electric generation ability. *Journal of Materials Chemistry A*, **2020**, 8, 17498-17506	13	24
139	Effect of Various Microwave Absorbents on the Microwave-Assisted Lignin Depolymerization Process. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 16086-16090	8.3	6
138	Photochromic nanocellulose composite films with excellent anti-UV capacity. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	2
137	Using ionic liquid (EmimAc)-water mixture in selective removal of hemicelluloses from a paper-grade bleached hardwood kraft pulp. *Cellulose*, **2020**, 27, 9653-9661	5.5	7
136	A bionic tactile plastic hydrogel-based electronic skin constructed by a nerve-like nanonetwork combining stretchable, compliant, and self-healing properties. *Chemical Engineering Journal*, **2020**, 379, 122271	14.7	97
135	Chemically modified self-doped biocarbon via novel sulfonation assisted sacrificial template method for high performance flexible all solid-state supercapacitor. *Journal of Colloid and Interface Science*, **2020**, 574, 33-42	9.3	31
134	Ultrasensitive Physical, Bio, and Chemical Sensors Derived from 1-, 2-, and 3-D Nanocellulosic Materials. *Small*, **2020**, 16, e1906567	11	78
133	Applications of Cellulose-based Materials in Sustained Drug Delivery Systems. *Current Medicinal Chemistry*, **2019**, 26, 2485-2501	4.3	65
132	Nonmetal Schiff-Base Complex-Anchored Cellulose as a Novel and Reusable Catalyst for the Solvent-Free Ring-Opening Addition of CO2 with Epoxides. *Industrial & Engineering Chemistry Research*, **2019**, 58, 17255-17265	3.9	14
131	Vitrimer-Cellulose Paper Composites: A New Class of Strong, Smart, Green, and Sustainable Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 36090-36099	9.5	32
130	A highly efficient thermo responsive palladium nanoparticles incorporated guar gum hydrogel for effective catalytic reactions. *Carbohydrate Polymers*, **2019**, 226, 115289	10.3	15
129	Ultrasonic treatment for enhancing the accessibility and reactivity of softwood rayon-grade kraft-based dissolving pulp. *Cellulose*, **2019**, 26, 9287-9294	5.5	4
128	An integrated transparent, UV-filtering organohydrogel sensor via molecular-level ion conductive channels. *Journal of Materials Chemistry A*, **2019**, 7, 4525-4535	13	90
127	Improving salt tolerance and thermal stability of cellulose nanofibrils by grafting modification. *Carbohydrate Polymers*, **2019**, 211, 257-265	10.3	24
126	Isolation and Characterization of Microcrystalline Cellulose from Bamboo Pulp Through Extremely Low Acid Hydrolysis. *Journal of Wood Chemistry and Technology*, **2019**, 39, 242-254	2	8
125	Lignin-Based Nanoparticles Stabilized Pickering Emulsion for Stability Improvement and Thermal-Controlled Release of trans-Resveratrol. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13497-13504	8.3	60
124	Effect of the particle size of magnesium hydroxide on the cellulose polymerization during the oxygen delignification of radiata pine kraft pulp. *Cellulose*, **2019**, 26, 6571-6581	5.5	1
123	Cellulose Nanofibers/Reduced Graphene Oxide/Polypyrrole Aerogel Electrodes for High-Capacitance Flexible All-Solid-State Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11175-11185	8.3	77

122	Using Green Γ-Valerolactone/Water Solvent To Decrease Lignin Heterogeneity by Gradient Precipitation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10112-10120	8.3	40
121	Mussel-Inspired Nanocomposite Hydrogel-Based Electrodes with Reusable and Injectable Properties for Human Electrophysiological Signals Detection. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 7918-7925	8.3	60
120	Fabrication of carboxymethylated cellulose fibers supporting Ag NPs@MOF-199s nanocatalysts for catalytic reduction of 4-nitrophenol. *Applied Organometallic Chemistry*, **2019**, 33, e4865	3.1	26
119	Applications of enzymatic technologies to the production of high-quality dissolving pulp: A review. *Bioresource Technology*, **2019**, 281, 440-448	11	28
118	Preparation of highly hazy transparent cellulose film from dissolving pulp. *Cellulose*, **2019**, 26, 4061-4069	5.5	13
117	Fabrication of Bacterial Cellulose/Polyaniline Nanocomposite Paper with Excellent Conductivity, Strength, and Flexibility. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 8215-8225	8.3	38
116	Cellulose-supported magnetic Fe_3O_4@MOF composites for enhanced dye removal application. *Cellulose*, **2019**, 26, 4909-4920	5.5	45
115	Biocompatible, self-wrinkled, antifreezing and stretchable hydrogel-based wearable sensor with PEDOT:sulfonated lignin as conductive materials. *Chemical Engineering Journal*, **2019**, 370, 1039-1047	14.7	131
114	Fabrication of thermo- and pH-sensitive cellulose nanofibrils-reinforced hydrogel with biomass nanoparticles. *Carbohydrate Polymers*, **2019**, 215, 289-295	10.3	46
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