

Hongqi Dai

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.

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	Antimicrobial polymeric materials with quaternary ammonium and phosphonium salts. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 3626-55	6.3	339
225	Hydrophobic-modified nano-cellulose fiber/PLA biodegradable composites for lowering water vapor transmission rate (WVTR) of paper. <i>Carbohydrate Polymers</i> , 2014 , 111, 442-8	10.3	162
224	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
223	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
222	Fabrication of superhydrophobic paper surface via wax mixture coating. <i>Chemical Engineering Journal</i> , 2014 , 250, 431-436	14.7	106
221	Lignin-Containing Cellulose Nanofibril-Reinforced Polyvinyl Alcohol Hydrogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4821-4828	8.3	103
220	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
219	Natural Polymer-Based Antimicrobial Hydrogels without Synthetic Antibiotics as Wound Dressings. <i>Biomacromolecules</i> , 2020 , 21, 2983-3006	6.9	83
218	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
217	Enhanced water vapour barrier and grease resistance of paper bilayer-coated with chitosan and beeswax. <i>Carbohydrate Polymers</i> , 2014 , 101, 401-6	10.3	73
216	Synthesis of water-soluble cationic polymers with star-like structure based on cyclodextrin core via ATRP. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 6345-6354	2.5	68
215	Morphology and mechanical properties of poly(butylene adipate-co-terephthalate)/potato starch blends in the presence of synthesized reactive compatibilizer or modified poly(butylene adipate-co-terephthalate). <i>Carbohydrate Polymers</i> , 2015 , 123, 275-82	10.3	67
214	Novel quaternary phosphonium-type cationic polyacrylamide and elucidation of dual-functional antibacterial/antiviral activity. <i>RSC Advances</i> , 2014 , 4, 46887-46895	3.7	66
213	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
212	Development of Lignin and Nanocellulose Enhanced Bio PU Foams for Automotive Parts. <i>Journal of Polymers and the Environment</i> , 2014 , 22, 279-288	4.5	63
211	Methods and applications of nanocellulose loaded with inorganic nanomaterials: A review. <i>Carbohydrate Polymers</i> , 2020 , 229, 115454	10.3	60
210	Contribution of lignin to the surface structure and physical performance of cellulose nanofibrils film. <i>Cellulose</i> , 2018 , 25, 1309-1318	5.5	54

209	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
208	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
207	Absorbents based on maleic anhydride-modified cellulose fibers/diatomite for dye removal. <i>Journal of Materials Science</i> , 2014 , 49, 6696-6704	4.3	51
206	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
205	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
204	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
203	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
202	Antibacterial modification of cellulose fibers by grafting β -cyclodextrin and inclusion with ciprofloxacin. <i>Cellulose</i> , 2014 , 21, 1921-1932	5.5	49
201	Dispersion Properties of Nanocellulose: A Review. <i>Carbohydrate Polymers</i> , 2020 , 250, 116892	10.3	48
200	Recent research progress on preparation and application of N, N, N-trimethyl chitosan. <i>Carbohydrate Research</i> , 2016 , 434, 27-32	2.9	48
199	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
198	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
197	Tailor-Made Antimicrobial/Antiviral Star Polymer via ATRP of Cyclodextrin and Guanidine-Based Macromonomer. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 511-518	2.6	43
196	Ethylene scavengers for the preservation of fruits and vegetables: A review. <i>Food Chemistry</i> , 2021 , 337, 127750	8.5	43
195	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
194	Reactive coating of soybean oil-based polymer on nanofibrillated cellulose film for water vapor barrier packaging. <i>Carbohydrate Polymers</i> , 2014 , 111, 524-9	10.3	42
193	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
192	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

191	Characterization of Conformation and Locations of C-F Bonds in Graphene Derivative by Polarized ATR-FTIR. <i>Analytical Chemistry</i> , 2016 , 88, 3926-34	7.8	40
190	Cationic-modified cyclodextrin nanosphere/anionic polymer as flocculation/sorption systems. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 406-13	9.3	40
189	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
188	Synthesis and antibacterial characterization of gemini surfactant monomers and copolymers. <i>Polymer Chemistry</i> , 2012 , 3, 907	4.9	35
187	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
186	Nanocellulose-based lightweight porous materials: A review. <i>Carbohydrate Polymers</i> , 2021 , 255, 117489	10.3	35
185	Clustering-Triggered Emission of Carboxymethylated Nanocellulose. <i>Frontiers in Chemistry</i> , 2019 , 7, 447	5	33
184	Bioinspired self-assembled films of carboxymethyl cellulose/dopamine/montmorillonite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14033-14041	13	33
183	Cationic Polymers with Tailored Structures for Rendering Polysaccharide-Based Materials Antimicrobial: An Overview. <i>Polymers</i> , 2019 , 11,	4.5	33
182	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
181	Novel cellulose/montmorillonite mesoporous composite beads for dye removal in single and binary systems. <i>Bioresource Technology</i> , 2019 , 286, 121366	11	32
180	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
179	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
178	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
177	Antibacterial/Antiviral Property and Mechanism of Dual-Functional Quaternized Pyridinium-type Copolymer. <i>Polymers</i> , 2015 , 7, 2290-2303	4.5	31
176	Crystallization behaviors of polypropylene and functional polypropylene. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 872-877	2.9	31
175	Theoretical modeling of water vapor transport in cellulose-based materials. <i>Cellulose</i> , 2016 , 23, 1537-1552	5.2	31
174	Comparison of mixed enzymatic pretreatment and post-treatment for enhancing the cellulose nanofibrillation efficiency. <i>Bioresource Technology</i> , 2019 , 293, 122171	11	30

173	Beeswax-chitosan emulsion coated paper with enhanced water vapor barrier efficiency. <i>Applied Surface Science</i> , 2014 , 300, 80-85	6.7	30
172	Manufacture of Highly Transparent and Hazy Cellulose Nanofibril Films via Coating TEMPO-Oxidized Wood Fibers. <i>Nanomaterials</i> , 2019 , 9,	5.4	29
171	On-Demand Regulation of Lignocellulosic Nanofibrils Based on Rapid Fractionation Using Acid Hydrotrope: Kinetic Study and Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9569-9577	8.3	29
170	Cellulose fibers modified with nano-sized antimicrobial polymer latex for pathogen deactivation. <i>Carbohydrate Polymers</i> , 2016 , 135, 94-100	10.3	29
169	Effects of preparation approaches on optical properties of self-assembled cellulose nanopapers. <i>RSC Advances</i> , 2017 , 7, 10463-10468	3.7	28
168	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
167	Copolymers of styrene with a quaternary europium complex. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 1506-1510	2.9	28
166	Improving foamability of polypropylene by grafting modification. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 4114-4123	2.9	28
165	Organo-modified cationic silica nanoparticles/anionic polymer as flocculants. <i>Journal of Colloid and Interface Science</i> , 2003 , 267, 343-51	9.3	28
164	Preparation and properties of magnetic cellulose fiber composites. <i>BioResources</i> , 2011 , 6, 3396-3409	1.3	27
163	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
162	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
161	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
160	Synthesis and characterization of super-absorbent hydrogels based on hemicellulose. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	24
159	Preparation and characterization of soy protein films with a durable water resistance-adjustable and antimicrobial surface. <i>Materials Science and Engineering C</i> , 2016 , 69, 947-55	8.3	24
158	Starch-Based Flexible Coating for Food Packaging Paper with Exceptional Hydrophobicity and Antimicrobial Activity. <i>Polymers</i> , 2018 , 10,	4.5	24
157	Cleaner production of lignocellulosic nanofibrils: Potential of mixed enzymatic treatment. <i>Journal of Cleaner Production</i> , 2020 , 270, 122506	10.3	22
156	Hydrophobic modification of cellulose fibres by cationic-modified polyacrylate latex with core-shell structure. <i>Cellulose</i> , 2013 , 20, 485-494	5.5	22

155	Novel Anti-Microbial Host-Guest Complexes Based on Cationic β -Cyclodextrin Polymers and Triclosan/Butylparaben. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 2244-2248	4.8	22
154	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
153	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
152	Effect of lignin on performance of lignocellulose nanofibrils for durable superhydrophobic surface. <i>Cellulose</i> , 2019 , 26, 933-944	5.5	21
151	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
150	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
149	Polystyrene prepared by reactive extrusion: kinetics and effect of processing parameters. <i>Polymers for Advanced Technologies</i> , 2004 , 15, 185-191	3.2	20
148	Antibacterial activities and mechanisms of fluorinated graphene and guanidine-modified graphene. <i>RSC Advances</i> , 2016 , 6, 8763-8772	3.7	19
147	Water vapor adsorption equilibria and mass transport in unmodified and modified cellulose fiber-based materials. <i>Adsorption</i> , 2014 , 20, 863-874	2.6	19
146	Preparation and Characterization of Exfoliated PHBV Nanocomposites to Enhance Water Vapor Barriers of Calendared Paper. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 11277-11284	3.9	19
145	Polyhedral oligomeric silsesquioxane/epoxy coatings: a review. <i>Surface Innovations</i> , 2021 , 9, 3-16	1.9	19
144	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
143	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
142	Polycyclodextrins: Synthesis, functionalization, and applications. <i>Carbohydrate Polymers</i> , 2020 , 242, 116277-116283	10.3	18
141	Self-healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. <i>Chemical Record</i> , 2020 , 20, 1142-1162	6.6	18
140	Characterization and antipathogenic evaluation of a novel quaternary phosphonium tripolyacrylamide and elucidation of the inactivation mechanisms. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 747-757	5.4	18
139	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
138	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

137	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
136	Antimicrobial paper obtained by dip-coating with modified guanidine-based particle aqueous dispersion. <i>Cellulose</i> , 2017 , 24, 3901-3910	5.5	17
135	Biological Activities and Emerging Roles of Lignin and Lignin-Based Products-A Review. <i>Biomacromolecules</i> , 2021 ,	6.9	17
134	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
133	Highly Efficient Lignin Depolymerization via Effective Inhibition of Condensation during Polyoxometalate-Mediated Oxidation. <i>Energy & Fuels</i> , 2019 , 33, 6483-6490	4.1	16
132	Morphology control for tunable optical properties of cellulose nanofibrils films. <i>Cellulose</i> , 2018 , 25, 5909-5918	10.3	16
131	Thermally-induced cellulose nanofibril films with near-complete ultraviolet-blocking and improved water resistance. <i>Carbohydrate Polymers</i> , 2019 , 223, 115050	10.3	16
130	Poly lactic acid nanocomposites containing modified nanoclay with synergistic barrier to water vapor for coated paper. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	16
129	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
128	Functionalized Masks: Powerful Materials against COVID-19 and Future Pandemics. <i>Small</i> , 2021 , 17, e2102453	10.3	16
127	Immobilizing Laccase on Different Species Wood Biochar to Remove the Chlorinated Biphenyl in Wastewater. <i>Scientific Reports</i> , 2018 , 8, 13947	4.9	16
126	Thermally Conductive and Electrical Insulation BNNS/CNF Aerogel Nano-Paper. <i>Polymers</i> , 2019 , 11,	4.5	15
125	Adsorption of volatile organic compounds on peanut shell activated carbon. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 238-246	2.3	15
124	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
123	Novel comb-like ionenes with aliphatic side chains: synthesis and antimicrobial properties. <i>Journal of Materials Science</i> , 2013 , 48, 1162-1171	4.3	15
122	Mass transfer of water vapor, carbon dioxide and oxygen on modified cellulose fiber-based materials. <i>Nordic Pulp and Paper Research Journal</i> , 2012 , 27, 409-417	1.1	15
121	Study on nanometer-size styrene-butadiene multiblock copolymer synthesized by reactive extrusion. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 2265-2270	2.9	15
120	Poly(ethylene oxide) macromonomer-grafted polymer nanoparticles synthesised by emulsifier-free emulsion polymerisation. <i>Colloid and Polymer Science</i> , 2003 , 281, 815-822	2.4	14

119	Recent advances in understanding the effects of lignin structural characteristics on enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2021 , 14, 205	7.8	14
118	Recent advances on the bacterial cellulose-derived carbon aerogels. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 818-828	7.1	14
117	Immobilizing Laccase on Modified Cellulose/CF Beads to Degrade Chlorinated Biphenyl in Wastewater. <i>Polymers</i> , 2018 , 10,	4.5	14
116	Microrheology, advances in methods and insights. <i>Advances in Colloid and Interface Science</i> , 2018 , 257, 71-85	14.3	13
115	Amphiphilic star block copolymers as gene carrier part I: synthesis via ATRP using calix[4]resorcinarene-based initiators and characterization. <i>Materials Science and Engineering C</i> , 2013 , 33, 519-26	8.3	13
114	An antibacterial composite film based on cellulose acetate/TiO ₂ nanoparticles. <i>New Journal of Chemistry</i> , 2020 , 44, 20751-20758	3.6	13
113	Multilayer surface construction for enhancing barrier properties of cellulose-based packaging. <i>Carbohydrate Polymers</i> , 2021 , 255, 117431	10.3	13
112	Laccase immobilization onto natural polysaccharides for biosensing and biodegradation. <i>Carbohydrate Polymers</i> , 2021 , 262, 117963	10.3	13
111	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
110	Recyclable deep eutectic solvent coupling sodium hydroxide post-treatment for boosting woody/herbaceous biomass conversion at mild condition. <i>Bioresource Technology</i> , 2021 , 320, 124327	11	13
109	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
108	Enhancement of the heat conduction performance of boron nitride/cellulosic fibre insulating composites. <i>PLoS ONE</i> , 2018 , 13, e0200842	3.7	12
107	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
106	Interaction of cationic modified poly vinyl alcohol with high yield pulp. <i>Cellulose</i> , 2010 , 17, 1021-1031	5.5	12
105	Functional-modified polyurethanes for rendering surfaces antimicrobial: An overview. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102235	14.3	12
104	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
103	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020 , 11, 4355-4381	4.9	11
102	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

101	Water-resistant cellulosic filter for aerosol entrapment and water purification, Part I: production of water-resistant cellulosic filter. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 1716-22	2.6	11
100	Antimicrobial polyethylene wax emulsion and its application on active paper-based packaging material. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	11
99	Study on cellulose microfibrils 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
98	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
97	Amphiphilic cationic copolymers with ciprofloxacin: preparation and antimicrobial activities. <i>New Journal of Chemistry</i> , 2016 , 40, 1354-1364	3.6	10
96	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
95	Hybrid poly(ethylene terephthalate)/silica nanocomposites prepared by in-situ polymerization. <i>Polymer Composites</i> , 2007 , 28, 42-46	3	10
94	Preparation and characterization of rare earth complex europium ³⁺ -acrylate-1,10-phenanthroline grafted onto polypropylene. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1547-1552	2.9	10
93	Novel Retention System Based on (2,3-Epoxypropyl)trimethylammonium Chloride Modified Silica Nanoparticles and Anionic Polymer. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 539-545	3.9	10
92	Magnetic FeO/attapulgite hybrids for Cd(II) adsorption: Performance, mechanism and recovery. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125237	12.8	10
91	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
90	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
89	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
88	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
87	Nonisothermal Cure Kinetics of Epoxy/Polyvinylpyrrolidone Functionalized Superparamagnetic Nano-Fe ₃ O ₄ Composites: Effect of Zn and Mn Doping. <i>Journal of Composites Science</i> , 2020 , 4, 55	3	9
86	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
85	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
84	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

83	Synthesis and characterization of a novel water-soluble cationic diblock copolymer with star conformation by ATRP. <i>Materials Science and Engineering C</i> , 2014 , 43, 350-8	8.3	9
82	Characterization of the diffusion path in micro- and meso-porous materials from ZLC analysis. <i>Adsorption</i> , 2010 , 16, 531-539	2.6	9
81	Properties of a novel thermal sensitive polymer based on poly(vinyl alcohol) and its layer-by-layer assembly. <i>Polymers for Advanced Technologies</i> , 2007 , 18, 335-345	3.2	9
80	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
79	Effective extraction of aromatic monomers from lignin oil using a binary petroleum ether/dichloromethane solvent. <i>Separation and Purification Technology</i> , 2021 , 267, 118599	8.3	9
78	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
77	Preparation and characterization of amphoteric cellulose/hontmorillonite composite beads with a controllable porous structure. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47941	2.9	8
76	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
75	Preparation and characterization of thermo-sensitive poly(vinyl alcohol)-based hydrogel as drug carrier. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	8
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