

# Huining Xiao

## List of Publications by Year in descending order

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186  
papers

9,282  
citations

41627

51  
h-index

58552

86  
g-index

186  
all docs

186  
docs citations

186  
times ranked

10784  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.5	46
2	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.	5.3	20
3	Virucidal and biodegradable specialty cellulose nonwovens as personal protective equipment against COVID-19 pandemic. <i>Journal of Advanced Research</i> , 2022, 39, 147-156.	4.4	26
4	Hierarchically porous biochar derived from orthometric integration of wooden and bacterial celluloses for high-performance electromagnetic wave absorption. <i>Composites Science and Technology</i> , 2022, 218, 109184.	3.8	18
5	Lignocellulosic nanofibril aerogel via gas phase coagulation and diisocyanate modification for solvent absorption. <i>Carbohydrate Polymers</i> , 2022, 278, 119011.	5.1	22
6	Highly-efficient nitrogen self-doped biochar for versatile dyes removal prepared from soybean cake via a simple dual-templating approach and associated thermodynamics. <i>Journal of Cleaner Production</i> , 2022, 332, 130069.	4.6	32
7	Polystyrene sulfonate is effective for enhancing biomass enzymatic saccharification under green liquor pretreatment in bioenergy poplar. , 2022, 15, 10.		7
8	Design and Construction of Fluorescent Cellulose Nanocrystals for Biomedical Applications. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	21
9	Starch-Based Composite Films with Enhanced Hydrophobicity, Thermal Stability, and UV-Shielding Efficacy Induced by Lignin Nanoparticles. <i>Biomacromolecules</i> , 2022, 23, 829-838.	2.6	23
10	Hierarchically porous tobacco midrib-based biochar prepared by a simple dual-templating approach for highly efficient Rhodamine B removal. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103904.	2.3	4
11	Remediation of Cd (II) ions in aqueous and soil phases using novel porous cellulose/chitosan composite spheres loaded with zero-valent iron nanoparticles. <i>Reactive and Functional Polymers</i> , 2022, 173, 105210.	2.0	20
12	Mapping of $\beta$ -lactoglobulin-mucin interactions in an in vitro astringency model: Phase compatibility, adsorption mechanism and thermodynamic analysis. <i>Food Hydrocolloids</i> , 2022, 129, 107640.	5.6	2
13	Exploring the promoting mechanisms of bovine serum albumin, lignosulfonate, and polyethylene glycol for lignocellulose saccharification from perspective of molecular interactions with cellulase. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103910.	2.3	8
14	Carbohydrate-Binding Modules of Potential Resources: Occurrence in Nature, Function, and Application in Fiber Recognition and Treatment. <i>Polymers</i> , 2022, 14, 1806.	2.0	9
15	Degradable polyprodrugs: design and therapeutic efficiency. <i>Chemical Society Reviews</i> , 2022, 51, 6652-6703.	18.7	28
16	Binding affinity of family 4 carbohydrate binding module on cellulose films of nanocrystals and nanofibrils. <i>Carbohydrate Polymers</i> , 2021, 251, 116725.	5.1	23
17	Impact of degree of substitution of cationic xylan on strength of cellulose fiber networks along with medium conductivity. <i>Industrial Crops and Products</i> , 2021, 159, 113058.	2.5	9
18	Ethylene scavengers for the preservation of fruits and vegetables: A review. <i>Food Chemistry</i> , 2021, 337, 127750.	4.2	110

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19	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.	3.8	30
20	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.	5.1	35
21	In-situ and real-time probing cellulase biosensor formation and its interaction with lignosulfonate in varied media. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129114.	4.0	9
22	Nanocellulose-based lightweight porous materials: A review. <i>Carbohydrate Polymers</i> , 2021, 255, 117489.	5.1	118
23	Recent advances on the bacterial cellulose-derived carbon aerogels. <i>Journal of Materials Chemistry C</i> , 2021, 9, 818-828.	2.7	38
24	Thermodynamics of $\text{CO}_2$ adsorption on cellulose-derived biochar prepared in ionic liquid. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1940-1961.	0.9	9
25	Intermolecular interactions between $\beta$ -cyclodextrin and water. <i>RSC Advances</i> , 2021, 11, 24807-24815.	1.7	2
26	Enhanced oxidation of sulfite over a highly efficient biochar-induced silica composite for sulfur resource utilization in magnesia desulfurization. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13288-13296.	5.2	8
27	Multilayer surface construction for enhancing barrier properties of cellulose-based packaging. <i>Carbohydrate Polymers</i> , 2021, 255, 117431.	5.1	46
28	Highly viscoelastic, stretchable, conductive, and self-healing strain sensors based on cellulose nanofiber-reinforced polyacrylic acid hydrogel. <i>Cellulose</i> , 2021, 28, 4295-4311.	2.4	92
29	Antimicrobial/Biocompatible Hydrogels Dual-Reinforced by Cellulose as Ultrastretchable and Rapid Self-Healing Wound Dressing. <i>Biomacromolecules</i> , 2021, 22, 1654-1663.	2.6	94
30	Naturally Occurring Exopolysaccharide Nanoparticles: Formation Process and Their Application in Glutathione Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19756-19767.	4.0	16
31	Xanthan gum $\alpha$ -mucin complexation: Molecular interactions, thermodynamics, and rheological analysis. <i>Food Hydrocolloids</i> , 2021, 114, 106579.	5.6	19
32	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.	3.6	10
33	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.	2.9	38
34	Magnetic $\text{Fe}_3\text{O}_4$ /attapulgite hybrids for $\text{Cd}(\text{II})$ adsorption: Performance, mechanism and recovery. <i>Journal of Hazardous Materials</i> , 2021, 412, 125237.	6.5	39
35	Highly stretchable and self-healing cellulose nanofiber-mediated conductive hydrogel towards strain sensing application. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 171-181.	5.0	114
36	Naturally Occurring Exopolysaccharide Nanoparticles for Dye Adsorption. <i>ACS Applied Nano Materials</i> , 2021, 4, 10458-10466.	2.4	4

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37	Porphyrin derived dual-emissive carbon quantum dots: Customizable synthesis and application for intracellular Cu <sup>2+</sup> quantification. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130072.	4.0	18
38	Redox- and Enzyme-Responsive Macrospheres Gatekept by Polysaccharides for Controlled Release of Agrochemicals. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11163-11170.	2.4	12
39	Benzenesulfonic acid-based hydrotropic system for achieving lignocellulose separation and utilization under mild conditions. <i>Bioresource Technology</i> , 2021, 337, 125379.	4.8	32
40	A ratiometric fluorescent hydrogel of controlled thickness prepared continuously using microtomy for the detection and removal of Hg(II). <i>Chemical Engineering Journal</i> , 2021, 426, 131296.	6.6	29
41	Self-Recovery, Fatigue-Resistant, and Multifunctional Sensor Assembled by a Nanocellulose/Carbon Nanotube Nanocomplex-Mediated Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50281-50297.	4.0	125
42	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, 1209-1214.	3.6	5
43	Biological Activities and Emerging Roles of Lignin and Lignin-Based Products—A Review. <i>Biomacromolecules</i> , 2021, 22, 4905-4918.	2.6	65
44	Inherently Conductive Poly(dimethylsiloxane) Elastomers Synergistically Mediated by Nanocellulose/Carbon Nanotube Nanohybrids toward Highly Sensitive, Stretchable, and Durable Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59142-59153.	4.0	70
45	Methods and applications of nanocellulose loaded with inorganic nanomaterials: A review. <i>Carbohydrate Polymers</i> , 2020, 229, 115454.	5.1	103
46	Construction of three-dimensional g-C <sub>3</sub> N <sub>4</sub> /attapulgite hybrids for Cd(II) adsorption and the reutilization of waste adsorbent. <i>Applied Surface Science</i> , 2020, 504, 144456.	3.1	40
47	Characteristics of as-prepared biochar derived from catalytic pyrolysis within moderate temperature ionic liquid for CO <sub>2</sub> uptake. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 690-704.	0.9	16
48	Redox-responsive carboxymethyl cellulose hydrogel for adsorption and controlled release of dye. <i>European Polymer Journal</i> , 2020, 123, 109447.	2.6	54
49	Natural Polymer-Based Antimicrobial Hydrogels without Synthetic Antibiotics as Wound Dressings. <i>Biomacromolecules</i> , 2020, 21, 2983-3006.	2.6	207
50	Self-Healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. <i>Chemical Record</i> , 2020, 20, 1142-1162.	2.9	35
51	A stretchable, self-healing conductive hydrogels based on nanocellulose supported graphene towards wearable monitoring of human motion. <i>Carbohydrate Polymers</i> , 2020, 250, 116905.	5.1	184
52	Functional-modified polyurethanes for rendering surfaces antimicrobial: An overview. <i>Advances in Colloid and Interface Science</i> , 2020, 283, 102235.	7.0	41
53	Microsphere-structured hydrogel crosslinked by polymerizable protein-based nanospheres. <i>Polymer</i> , 2020, 211, 123114.	1.8	15
54	Advance in constructing acid catalyst-solvent combinations for efficient transformation of glucose into 5-Hydroxymethylfurfural. <i>Molecular Catalysis</i> , 2020, 498, 111254.	1.0	15

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55	Remarkable fluorimetric response and colorimetric sense on the mercury deionization in aqueous solution by a new adsorbent based on chitosan. <i>European Polymer Journal</i> , 2020, 130, 109663.	2.6	17
56	Nonisothermal Cure Kinetics of Epoxy/Polyvinylpyrrolidone Functionalized Superparamagnetic Nano-Fe <sub>3</sub> O <sub>4</sub> Composites: Effect of Zn and Mn Doping. <i>Journal of Composites Science</i> , 2020, 4, 55.	1.4	13
57	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020, 11, 4355-4381.	1.9	32
58	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.	2.7	17
59	Engineering a ratiometric fluorescent sensor membrane containing carbon dots for efficient fluoride detection and removal. <i>Chemical Engineering Journal</i> , 2020, 399, 125741.	6.6	41
60	Dual responsive copolymers-grafted microfibrillated cellulose composites for removing lead ions from aqueous solution. <i>Journal of Cleaner Production</i> , 2020, 258, 120867.	4.6	16
61	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.	5.4	63
62	Superhydrophobic modification of cellulose and cotton textiles: Methodologies and applications. <i>Journal of Bioresources and Bioproducts</i> , 2020, 5, 1-15.	11.8	304
63	Functionalized porous magnetic cellulose/Fe <sub>3</sub> O <sub>4</sub> beads prepared from ionic liquid for removal of dyes from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 309-316.	3.6	61
64	Hydrothermal synthesis of nitrogen-doped ordered mesoporous carbon <i>via</i> lysine-assisted self-assembly for efficient CO <sub>2</sub> capture. <i>RSC Advances</i> , 2020, 10, 2932-2941.	1.7	21
65	Self-Healable Electro-Conductive Hydrogels Based on Core-Shell Structured Nanocellulose/Carbon Nanotubes Hybrids for Use as Flexible Supercapacitors. <i>Nanomaterials</i> , 2020, 10, 112.	1.9	80
66	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.	2.4	9
67	Layer-by-Layer Assembly for Surface Tethering of Thin Hydrogel Films: Design Strategies and Applications. <i>Chemical Record</i> , 2020, 20, 857-881.	2.9	22
68	Polycyclodextrins: Synthesis, functionalization, and applications. <i>Carbohydrate Polymers</i> , 2020, 242, 116277.	5.1	51
69	Excellent Low-Temperature Formaldehyde Decomposition Performance over Pt Nanoparticles Directly Loaded on Cellulose Triacetate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21720-21728.	1.8	8
70	Cationic Polymers with Tailored Structures for Rendering Polysaccharide-Based Materials Antimicrobial: An Overview. <i>Polymers</i> , 2019, 11, 1283.	2.0	47
71	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.	3.2	25
72	Preparation and characterization of cysteine-formaldehyde crosslinked complex for CO <sub>2</sub> capture. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 3012-3024.	0.9	2

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73	Aerogel Perfusion-Prepared h-BN/CNF Composite Film with Multiple Thermally Conductive Pathways and High Thermal Conductivity. <i>Nanomaterials</i> , 2019, 9, 1051.	1.9	19
74	Suppressing Ammonia Re-Emission with the Aid of the Co <sub>3</sub> O <sub>4</sub> -NPs@KIT-6 Catalyst in Ammonia-Based Desulfurization. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13477-13485.	4.6	14
75	Green and Superhydrophobic Coatings Based on Tailor-Modified Lignocellulose Nanofibrils for Self-Cleaning Surfaces. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20323-20330.	1.8	23
76	Porous cellulose beads reconstituted from ionic liquid for adsorption of heavy metal ions from aqueous solutions. <i>Cellulose</i> , 2019, 26, 9163-9178.	2.4	32
77	Highly Dispersed NiCo <sub>2</sub> O <sub>4</sub> Nanodots Decorated Three-Dimensional g-C <sub>3</sub> N <sub>4</sub> for Enhanced Photocatalytic H <sub>2</sub> Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12428-12438.	3.2	115
78	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.	2.4	8
79	Controlled Release of Agrochemicals Using pH and Redox Dual-Responsive Cellulose Nanogels. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6700-6707.	2.4	55
80	Preparation and characterization of amphoteric cellulose/montmorillonite composite beads with a controllable porous structure. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47941.	1.3	10
81	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.	6.5	51
82	Bioinspired self-assembled films of carboxymethyl cellulose/dopamine/montmorillonite. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14033-14041.	5.2	54
83	Novel cellulose/montmorillonite mesoporous composite beads for dye removal in single and binary systems. <i>Bioresource Technology</i> , 2019, 286, 121366.	4.8	51
84	Impregnation of PEI in Novel Porous MgCO <sub>3</sub> for Carbon Dioxide Capture from Flue Gas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 4979-4987.	1.8	14
85	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.	3.6	36
86	Thermally Conductive and Electrical Insulation BNNS/CNF Aerogel Nano-Paper. <i>Polymers</i> , 2019, 11, 660.	2.0	24
87	Glyoxal improved functionalization of starch with AZC enhances the hydrophobicity, strength and UV blocking capacities of co-crosslinked polymer. <i>European Polymer Journal</i> , 2019, 110, 385-393.	2.6	20
88	Revealing Adsorption Behaviors of Amphoteric Polyacrylamide on Cellulose Fibers and Impact on Dry Strength of Fiber Networks. <i>Polymers</i> , 2019, 11, 1886.	2.0	11
89	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.	2.7	66
90	Lignin Redistribution for Enhancing Barrier Properties of Cellulose-Based Materials. <i>Polymers</i> , 2019, 11, 1929.	2.0	16

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91	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, 1737.	1.9	74
92	Defect-engineered cobalt-based solid catalyst for high efficiency oxidation of sulfite. <i>Chemical Engineering Science</i> , 2019, 197, 1-10.	1.9	7
93	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.	6.5	28
94	Effect of lignin on performance of lignocellulose nanofibrils for durable superhydrophobic surface. <i>Cellulose</i> , 2019, 26, 933-944.	2.4	38
95	Adsorption of Hg (II) ions from aqueous solution by diethylenetriaminepentaacetic acid-modified cellulose. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 149-156.	3.6	57
96	Bio-inspired construction of cellulose-based molecular imprinting membrane with selective recognition surface for paclitaxel separation. <i>Applied Surface Science</i> , 2019, 466, 244-253.	3.1	18
97	Dye removal from single and binary systems using gel-like bioadsorbent based on functional-modified cellulose. <i>Cellulose</i> , 2018, 25, 2559-2575.	2.4	39
98	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.	3.2	85
99	Characteristics of CO <sub>2</sub> adsorption on biochar derived from biomass pyrolysis in molten salt. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2352-2360.	0.9	40
100	Comparative study of ultra-lightweight pulp foams obtained from various fibers and reinforced by MFC. <i>Carbohydrate Polymers</i> , 2018, 182, 92-97.	5.1	18
101	Uniform dispersion of cobalt nanoparticles over nonporous TiO <sub>2</sub> with low activation energy for magnesium sulfate recovery in a novel magnesia-based desulfurization process. <i>Journal of Hazardous Materials</i> , 2018, 342, 579-588.	6.5	47
102	Facile synthesis of tube-shaped Mn-Ni-Ti solid solution and preferable Langmuir-Hinshelwood mechanism for selective catalytic reduction of NO by NH <sub>3</sub> . <i>Applied Catalysis A: General</i> , 2018, 549, 289-301.	2.2	83
103	Black NiO-TiO <sub>2</sub> nanorods for solar photocatalysis: Recognition of electronic structure and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 705-714.	10.8	177
104	Controlled release of agrochemicals and heavy metal ion capture dual-functional redox-responsive hydrogel for soil remediation. <i>Chemical Communications</i> , 2018, 54, 13714-13717.	2.2	52
105	Starch-Based Flexible Coating for Food Packaging Paper with Exceptional Hydrophobicity and Antimicrobial Activity. <i>Polymers</i> , 2018, 10, 1260.	2.0	41
106	An Aminosalicic Acid-Modified Cellulose Composite Used for Mercury (II) Removal from Single and Quarternary Aqueous Solutions. <i>ChemistrySelect</i> , 2018, 3, 10096-10102.	0.7	19
107	Immobilizing Laccase on Modified Cellulose/CF Beads to Degrade Chlorinated Biphenyl in Wastewater. <i>Polymers</i> , 2018, 10, 798.	2.0	17
108	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.	3.8	14

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109	Co3O4 quantum dots/TiO2 nanobelt hybrids for highly efficient photocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 396-403.	10.8	218
110	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, 335.	2.0	11
111	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.	2.4	6
112	ZnO nanoparticles enhanced hydrophobicity for starch film and paper. <i>Materials Letters</i> , 2018, 230, 207-210.	1.3	40
113	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.	5.1	62
114	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.	1.7	20
115	Insight into structural role of 2D/3D mesoporous silicon in catalysis of magnesium sulfite oxidation. <i>Applied Catalysis A: General</i> , 2018, 566, 33-43.	2.2	10
116	Dual-responsive IPN hydrogel based on sugarcane bagasse cellulose as drug carrier. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 132-140.	3.6	45
117	Water-resistant cellulosic filter containing non-leaching antimicrobial starch for water purification and disinfection. <i>Carbohydrate Polymers</i> , 2017, 163, 146-152.	5.1	42
118	Adsorption Characteristics of Carbon Dioxide Gas on a Solid Acid Derivative of $\beta$ -Cyclodextrin. <i>Energy &amp; Fuels</i> , 2017, 31, 4186-4192.	2.5	27
119	Single and binary adsorption of heavy metal ions from aqueous solutions using sugarcane cellulose-based adsorbent. <i>Bioresource Technology</i> , 2017, 241, 482-490.	4.8	265
120	A green and robust solid catalyst facilitating the magnesium sulfite oxidation in the magnesia desulfurization process. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8018-8028.	5.2	33
121	Dynamic Flocculation of Ultrafine Particles of Coal-Fired Power Plant Induced by Ionic Polyacrylamides at Bench and Pilot Scales. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 12438-12446.	1.8	4
122	Inhibiting Mercury Re-emission and Enhancing Magnesia Recovery by Cobalt-Loaded Carbon Nanotubes in a Novel Magnesia Desulfurization Process. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11346-11353.	4.6	55
123	Nanocellulose as a sustainable biomass material: structure, properties, present status and future prospects in biomedical applications. <i>Nanoscale</i> , 2017, 9, 14758-14781.	2.8	198
124	Solvent-free synthesis of the cellulose-based hybrid beads for adsorption of lead ions in aqueous solutions. <i>RSC Advances</i> , 2017, 7, 53899-53906.	1.7	10
125	Mechanistic investigation of the enhanced NH <sub>3</sub> -SCR on cobalt-decorated Ce-Ti mixed oxide: In situ FTIR analysis for structure-activity correlation. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 297-308.	10.8	388
126	Preparation of Copolymer-Based Nanoparticles with Broad-Spectrum Antimicrobial Activity. <i>Polymers</i> , 2017, 9, 717.	2.0	5



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127	Synergically Improving Light Harvesting and Charge Transportation of TiO <sub>2</sub> Nanobelts by Deposition of MoS <sub>2</sub> for Enhanced Photocatalytic Removal of Cr(VI). <i>Catalysts</i> , 2017, 7, 30.	1.6	34
128	Centrosymmetric Versus Noncentrosymmetric: Structural and Optical Studies on Inorganic-Organic Hybrid Compounds of Bismuth Thiourea Iodide Resulting from Acid Effect. <i>ChemistrySelect</i> , 2017, 2, 5882-5886.	0.7	7
129	Hydrophobic modification of bagasse cellulose fibers with cationic latex: Adsorption kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2016, 302, 33-43.	6.6	47
130	The effect of ceria nanoparticles on improving heat resistant properties of fluorosilicone rubber. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	22
131	Amino-functionalized alkaline clay with cationic star-shaped polymer as adsorbents for removal of Cr(VI) in aqueous solution. <i>Applied Surface Science</i> , 2016, 385, 333-340.	3.1	58
132	Improving ionic conductivity of polycrystalline lithium ion conductors by interacting with mesoporous materials. <i>Materials Letters</i> , 2016, 177, 50-53.	1.3	4
133	Antibacterial activities and mechanisms of fluorinated graphene and guanidine-modified graphene. <i>RSC Advances</i> , 2016, 6, 8763-8772.	1.7	23
134	Cellulase-assisted refining of bleached softwood kraft pulp for making water vapor barrier and grease-resistant paper. <i>Cellulose</i> , 2016, 23, 891-900.	2.4	25
135	Amphiphilic cationic copolymers with ciprofloxacin: preparation and antimicrobial activities. <i>New Journal of Chemistry</i> , 2016, 40, 1354-1364.	1.4	11
136	Bio-Wax Latex-Modified Paper as Antimicrobial and Water-Vapor-Resistant Packaging Material. <i>Journal of Wood Chemistry and Technology</i> , 2016, 36, 182-191.	0.9	9
137	Cellulose fibers modified with nano-sized antimicrobial polymer latex for pathogen deactivation. <i>Carbohydrate Polymers</i> , 2016, 135, 94-100.	5.1	31
138	Non-leaching antimicrobial biodegradable PBAT films through a facile and novel approach. <i>Materials Science and Engineering C</i> , 2016, 58, 986-991.	3.8	43
139	Antimicrobial polyethylene wax emulsion and its application on active paper-based packaging material. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	13
140	Preparation and Properties of Nonleaching Antimicrobial Linear Low-Density Polyethylene Films. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 1824-1831.	1.8	22
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