

Yonghao Ni

List of Publications by Year in descending order

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278
papers

11,565
citations

20817

60
h-index

51608

86
g-index

279
all docs

279
docs citations

279
times ranked

9437
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 97, 190-200.	10.7	71
2	Modification of PEDOT:PSS towards high-efficiency OLED electrode via synergistic effect of carboxy and phenol groups from biomass derivatives. <i>Chemical Engineering Journal</i> , 2022, 430, 133014.	12.7	21
3	Research progress of smart response composite hydrogels based on nanocellulose. <i>Carbohydrate Polymers</i> , 2022, 275, 118741.	10.2	23
4	Highly transparent RCF/PTFE humidity and IR light dual-driven actuator with high force density, sensitivity and stability. <i>Applied Surface Science</i> , 2022, 572, 151502.	6.1	6
5	Development of stable agar/carrageenan-Fe ₃ O ₄ -Klebsiella pneumoniae composite beads for efficient phenol degradation. <i>Environmental Research</i> , 2022, 205, 112454.	7.5	8
6	Tannic acid modified hemicellulose nanoparticle reinforced ionic hydrogels with multi-functions for human motion strain sensor applications. <i>Industrial Crops and Products</i> , 2022, 176, 114412.	5.2	20
7	Lignin reinforced hydrogels with fast self-recovery, multi-functionalities via calcium ion bridging for flexible smart sensing applications. <i>International Journal of Biological Macromolecules</i> , 2022, 200, 226-233.	7.5	13
8	Design of asymmetric-adhesion lignin reinforced hydrogels with anti-interference for strain sensing and moist air induced electricity generator. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 104-110.	7.5	21
9	Design of Fe ³⁺ -Rich, High-Conductivity Lignin Hydrogels for Supercapacitor and Sensor Applications. <i>Biomacromolecules</i> , 2022, 23, 766-778.	5.4	32
10	Recent advances on cellulose-based nanofiltration membranes and their applications in drinking water purification: A review. <i>Journal of Cleaner Production</i> , 2022, 333, 130171.	9.3	57
11	Near-Infrared Shielding Performance of Tungsten-Doped Tin Dioxide Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1578-1587.	3.7	2
12	Novel functionalization of ZIF-67 for an efficient broad-spectrum photocatalyst: formaldehyde degradation at room temperature. <i>New Journal of Chemistry</i> , 2022, 46, 2962-2970.	2.8	14
13	Adhesive, Antibacterial, Conductive, Anti-UV, Self-Healing, and Tough Collagen-Based Hydrogels from a Pyrogallol-Ag Self-Catalysis System. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8728-8742.	8.0	28
14	Mussel-Inspired Magnetic Dissolving Pulp Fibers Toward the Adsorption and Degradation of Organic Dyes. <i>Frontiers in Chemistry</i> , 2022, 10, 840133.	3.6	2
15	An environmentally friendly and highly transparent ZnO/cellulose nanocomposite membrane for UV sensing and shielding. <i>Cellulose</i> , 2022, 29, 4439-4453.	4.9	10
16	Nanolignin filled conductive hydrogel with improved mechanical, anti-freezing, UV-shielding and transparent properties for strain sensing application. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 442-451.	7.5	43
17	TEMPO-mediated oxidized cellulose nanofibers-Cd ²⁺ derived hierarchically porous carbon aerogel for oxygen reduction electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116168.	3.8	5
18	High lignin containing hydrogels with excellent conducting, self-healing, antibacterial, dye adsorbing, sensing, moist-induced power generating and supercapacitance properties. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 48-61.	7.5	22

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19	Role of nanocellulose in colored paper preparation. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 355-362.	7.5	3
20	Towards sustainable oil/gas fracking by reusing its process water: A review on fundamentals, challenges, and opportunities. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110422.	4.2	10
21	Lignin-Reinforced Paper with Excellent Stability and Thermal Properties for an Efficient Heat Spreader. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5569-5581.	6.7	2
22	Plant-inspired conductive adhesive organohydrogel with extreme environmental tolerance as a wearable dressing for multifunctional sensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112509.	5.0	22
23	Energy harvesting by vitrimer-based moist-electric generators. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11524-11534.	10.3	14
24	A tough organohydrogel-based multiresponsive sensor for a triboelectric nanogenerator and supercapacitor toward wearable intelligent devices. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12092-12103.	10.3	35
25	Preparation of Hemicellulose Nanoparticle-Containing Ionic Hydrogels with High Strength, Self-Healing, and UV Resistance and Their Applications as Strain Sensors and Asymmetric Pressure Sensors. <i>Biomacromolecules</i> , 2022, 23, 2272-2279.	5.4	13
26	High-Sensitivity Multiresponses Cellulose-Based Actuators with Configurable Amplitude. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6414-6425.	6.7	15
27	Achieving Higher Signal Response Than Splitless GC Injection by High-Pressure Headspace Sampling and Full Evaporation Technique. <i>Chromatographia</i> , 2022, 85, 507.	1.3	1
28	A multifunctional MXene-assembled anhydrous gel electronics. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 1151-1159.	9.4	9
29	Nanofibrillated Cellulose-Derived Nanofibrous Co@N-C as Oxygen Reduction Reaction Catalysts in Zn@Air Batteries. <i>ACS Applied Nano Materials</i> , 2022, 5, 6438-6446.	5.0	9
30	Molded fiber and pulp products as green and sustainable alternatives to plastics: A mini review. <i>Journal of Bioresources and Bioproducts</i> , 2022, 7, 14-25.	20.5	45
31	Fruit Peel-Inspired Super-Stable Ionic Organohydrogel Electronics with Dense Hydrophobic Skin. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4673-4680.	4.4	2
32	Cellulose Hollow Annular Nanoparticles Prepared from High-Intensity Ultrasonic Treatment. <i>ACS Nano</i> , 2022, 16, 8928-8938.	14.6	13
33	Lignin-containing hydrogels with anti-freezing, excellent water retention and super-flexibility for sensor and supercapacitor applications. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 77-90.	7.5	18
34	Redispersion of dried plant nanocellulose: A review. <i>Carbohydrate Polymers</i> , 2022, 294, 119830.	10.2	18
35	Highly ordered asymmetric cellulose-based honeycomb membrane for moisture-electricity generation and humidity sensing. <i>Carbohydrate Polymers</i> , 2022, 294, 119809.	10.2	5
36	Ultra-low pressure cellulose-based nanofiltration membrane fabricated on layer-by-layer assembly for efficient sodium chloride removal. <i>Carbohydrate Polymers</i> , 2021, 255, 117352.	10.2	33

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37	A Synthetic Method for Site-Specific Functionalized Polypeptides: Metal-Free, Highly Active, and Selective at Room Temperature. <i>Angewandte Chemie</i> , 2021, 133, 902-908.	2.0	3
38	Chitin nanofibers as versatile bio-templates of zeolitic imidazolate frameworks for N-doped hierarchically porous carbon electrodes for supercapacitor. <i>Carbohydrate Polymers</i> , 2021, 251, 117107.	10.2	58
39	Super-ductile, injectable, fast self-healing collagen-based hydrogels with multi-responsive and accelerated wound-repair properties. <i>Chemical Engineering Journal</i> , 2021, 405, 126756.	12.7	49
40	Integrating phosphotungstic acid-assisted prerefining with cellulase treatment for enhancing the reactivity of kraft-based dissolving pulp. <i>Bioresource Technology</i> , 2021, 320, 124283.	9.6	29
41	Fruit-battery-inspired self-powered stretchable hydrogel-based ionic skin that works effectively in extreme environments. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3968-3975.	10.3	42
42	A bioinspired gallol-functionalized collagen as wet-tissue adhesive for biomedical applications. <i>Chemical Engineering Journal</i> , 2021, 417, 127962.	12.7	37
43	Alternative initiatives for non-wood chemical pulping and integration with the biorefinery concept: A review. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 100-118.	3.7	24
44	A Synthetic Method for Site-Specific Functionalized Polypeptides: Metal-Free, Highly Active, and Selective at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 889-895.	13.8	15
45	Converting bleached hardwood kraft pulp to dissolving pulp by using organic electrolyte solutions. <i>Cellulose</i> , 2021, 28, 1311-1320.	4.9	6
46	Fabrication of high value cellulose nanofibers@Ni foam by non carbonization: various application developed during the preparation. <i>Cellulose</i> , 2021, 28, 1455-1468.	4.9	29
47	Breaking the lignin conversion bottleneck for multiple products: Co-production of aryl monomers and carbon nanospheres using one-step catalyst-free depolymerization. <i>Fuel</i> , 2021, 285, 119211.	6.4	25
48	Fabrication of reduced graphene oxide-cellulose nanofibers based hybrid film with good hydrophilicity and conductivity as electrodes of supercapacitor. <i>Cellulose</i> , 2021, 28, 3733-3743.	4.9	44
49	Novel melamine-based porous organic materials as metal-free catalysts for copolymerization of SO ₂ with epoxide. <i>Polymer</i> , 2021, 217, 123434.	3.8	12
50	Nano-SiO ₂ used with cationic polymer to improve the strength of sack paper. <i>BioResources</i> , 2021, 16, 3348-3359.	1.0	0
51	Pre-cryocrushing of natural carbon precursors to prepare nitrogen, sulfur co-doped porous microcellular carbon as an efficient ORR catalyst. <i>Carbon</i> , 2021, 173, 800-808.	10.3	44
52	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> , 2021, 258, 117676.	10.2	69
53	A chitosan/dopamine-TiO ₂ composite nanofiltration membrane for antifouling in water purification. <i>Cellulose</i> , 2021, 28, 4959-4973.	4.9	15
54	Transparent, smooth, and sustainable cellulose-derived conductive film applied for the flexible electronic device. <i>Carbohydrate Polymers</i> , 2021, 260, 117820.	10.2	16

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55	A green all-polysaccharide hydrogel platform for sensing and electricity harvesting/storage. <i>Journal of Power Sources</i> , 2021, 493, 229711.	7.8	18
56	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> , 2021, 414, 128903.	12.7	80
57	Biocompatible Catechol-Functionalized Cellulose-Based Adhesives with Strong Water Resistance. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100232.	3.6	19
58	Wearable lignin-based hydrogel electronics: A mini-review. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 45-50.	7.5	58
59	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 ₄ Catalyst. <i>ACS Omega</i> , 2021, 6, 15940-15947.	3.5	8
60	New Kind of Lignin/Polyhydroxyurethane Composite: Green Synthesis, Smart Properties, Promising Applications, and Good Reprocessability and Recyclability. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28938-28948.	8.0	64
61	An all-paper, scalable and flexible supercapacitor based on vertically aligned polyaniline (PANI) nano-dendrites@fibers. <i>Journal of Power Sources</i> , 2021, 498, 229886.	7.8	65
62	Improving the sensitivity of cellulose fiber-based lateral flow assay by incorporating a water-dissolvable polyvinyl alcohol dam. <i>Cellulose</i> , 2021, 28, 8641-8651.	4.9	20
63	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> , 2021, 217, 108879.	12.0	52
64	Nature-inspired self-powered cellulose nanofibrils hydrogels with high sensitivity and mechanical adaptability. <i>Carbohydrate Polymers</i> , 2021, 264, 117995.	10.2	43
65	An oriented Fe ³⁺ -regulated lignin-based hydrogel with desired softness, conductivity, stretchability, and asymmetric adhesiveness towards anti-interference pressure sensors. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 282-288.	7.5	31
66	Tendon-inspired fibers from liquid crystalline collagen as the pre-oriented bioink. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 739-749.	7.5	10
67	Non-Wood Fibers: Relationships of Fiber Properties with Pulp Properties. <i>ACS Omega</i> , 2021, 6, 21613-21622.	3.5	38
68	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> , 2021, 417, 129329.	12.7	157
69	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> , 2021, 418, 129518.	12.7	72
70	Preparation of lignosulfonate ionic hydrogels for supercapacitors, sensors and dye adsorbent applications. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 189-199.	7.5	27
71	A multifunctional nanocellulose-based hydrogel for strain sensing and self-powering applications. <i>Carbohydrate Polymers</i> , 2021, 268, 118210.	10.2	40
72	Construction of flexible cellulose nanofiber fiber@graphene quantum dots hybrid film applied in supercapacitor and sensor. <i>Cellulose</i> , 2021, 28, 10359-10372.	4.9	21

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73	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. <i>Industrial Crops and Products</i> , 2021, 167, 113545.	5.2	21
74	Green and sustainable cellulose-derived humidity sensors: A review. <i>Carbohydrate Polymers</i> , 2021, 270, 118385.	10.2	66
75	Lignin nanofiller-reinforced composites hydrogels with long-lasting adhesiveness, toughness, excellent self-healing, conducting, ultraviolet-blocking and antibacterial properties. <i>Composites Part B: Engineering</i> , 2021, 225, 109316.	12.0	44
76	Coordination-driven hierarchically structured composites with N-CNTs-grafted graphene-confined ultra-small Co nanoparticles as effective oxygen electrocatalyst in rechargeable Zn-air battery. <i>Ceramics International</i> , 2021, 47, 30091-30098.	4.8	10
77	Self-assembled all-polysaccharide hydrogel film for versatile paper-based food packaging. <i>Carbohydrate Polymers</i> , 2021, 271, 118425.	10.2	47
78	Biomaterials- and biostructures inspired high-performance flexible stretchable strain sensors: A review. <i>Chemical Engineering Journal</i> , 2021, 425, 129949.	12.7	65
79	A thin and flexible solid electrolyte templated by controllable porous nanocomposites toward extremely high performance all-solid-state lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130632.	12.7	30
80	Cellulose-based flexible organic light-emitting diodes with enhanced stability and external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4496-4504.	5.5	15
81	3D hollow-structured hydrogels with editable macrostructure, function, and mechanical properties induced by segmented adjustments. <i>RSC Advances</i> , 2021, 11, 26876-26882.	3.6	3
82	Lignocellulose-derived hydrogel/aerogel-based flexible quasi-solid-state supercapacitors with high-performance: a review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14233-14264.	10.3	55
83	Lignin reinforced hydrogels with multi-functional sensing and moist-electric generating applications. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 941-947.	7.5	19
84	Immobilization and Characterization of Pectinase onto the Cationic Polystyrene Resin. <i>ACS Omega</i> , 2021, 6, 31683-31688.	3.5	9
85	Co-N-Doped Directional Multichannel PAN/CA-Based Electrospun Carbon Nanofibers as High-Efficiency Bifunctional Oxygen Electrocatalysts for Zn-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17068-17077.	6.7	25
86	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> , 2020, 379, 122271.	12.7	171
87	Stabilization of Pickering emulsions with cellulose nanofibers derived from oil palm fruit bunch. <i>Cellulose</i> , 2020, 27, 839-851.	4.9	35
88	Houttuynia-derived nitrogen-doped hierarchically porous carbon for high-performance supercapacitor. <i>Carbon</i> , 2020, 161, 62-70.	10.3	282
89	Anti-freezing and moisturizing conductive hydrogels for strain sensing and moist-electric generation applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3109-3118.	10.3	158
90	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> , 2020, 450, 227640.	7.8	42

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91	Microwave-Assisted Catalytic Cleavage of C—C Bond in Lignin Models by Bifunctional Pt/CDC-SiC. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 38-43.	6.7	20
92	Effects of hemicellulose content on TEMPO-mediated selective oxidation, and the properties of films prepared from bleached chemical pulp. <i>Cellulose</i> , 2020, 27, 1043-1054.	4.9	9
93	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> , 2020, 230, 115642.	10.2	82
94	Conductive Regenerated Cellulose Film and Its Electronic Devices – A Review. <i>Carbohydrate Polymers</i> , 2020, 250, 116969.	10.2	35
95	Dialdehyde modified cellulose nanofibers enhanced the physical properties of decorative paper impregnated by aldehyde-free adhesive. <i>Carbohydrate Polymers</i> , 2020, 250, 116941.	10.2	28
96	Insight on adsorption of cellulase on wet ground corncob residues and its evaluation by multivariate linear analysis. <i>Bioresource Technology</i> , 2020, 318, 124107.	9.6	6
97	A three dimensional interconnected Li ₇ La ₃ Zr ₂ O ₁₂ framework composite solid electrolyte utilizing lignosulfonate/ cellulose nanofiber bio-template for high performance lithium ion batteries. <i>Journal of Power Sources</i> , 2020, 477, 228752.	7.8	26
98	Super-stable, solvent-resistant and uniform lignin nanorods and nanospheres with a high yield in a mild and facile process. <i>Green Chemistry</i> , 2020, 22, 8734-8744.	9.0	29
99	Asymmetrically Patterned Cellulose Nanofibers/Graphene Oxide Composite Film for Humidity Sensing and Moist-Induced Electricity Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55205-55214.	8.0	56
100	A cellulose-based nanofiltration membrane with a stable three-layer structure for the treatment of drinking water. <i>Cellulose</i> , 2020, 27, 8237-8253.	4.9	31
101	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> , 2020, 8, 12655-12663.	6.7	69
102	Improving enzymatic hydrolysis of mechanically refined poplar branches with assistance of hydrothermal and Fenton pretreatment. <i>Bioresource Technology</i> , 2020, 316, 123920.	9.6	31
103	An adaptive ionic skin with multiple stimulus responses and moist-electric generation ability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17498-17506.	10.3	53
104	Effect of Various Microwave Absorbents on the Microwave-Assisted Lignin Depolymerization Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16086-16090.	6.7	15
105	Photochromic nanocellulose composite films with excellent anti-UV capacity. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	4
106	Using ionic liquid (EmimAc)-water mixture in selective removal of hemicelluloses from a paper-grade bleached hardwood kraft pulp. <i>Cellulose</i> , 2020, 27, 9653-9661.	4.9	12
107	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. <i>Green Chemistry</i> , 2020, 22, 8594-8603.	9.0	32
108	Palladium nano-catalyst supported on cationic nanocellulose–alginate hydrogel for effective catalytic reactions. <i>Cellulose</i> , 2020, 27, 6995-7008.	4.9	47

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109	All-Lignin-Based Hydrogel with Fast pH-Stimuli Responsiveness for Mechanical Switching and Actuation. <i>Chemistry of Materials</i> , 2020, 32, 4324-4330.	6.7	136
110	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> , 2020, 8, 10898-10908.	10.3	107
111	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> , 2020, 244, 116472.	10.2	58
112	Water molecule "spinning cutter" controllably improving the performance of cellulosic fibers. <i>Cellulose</i> , 2020, 27, 7297-7306.	4.9	7
113	Ultrafast gelling using sulfonated lignin-Fe ³⁺ chelates to produce dynamic crosslinked hydrogel/coating with charming stretchable, conductive, self-healing, and ultraviolet-blocking properties. <i>Chemical Engineering Journal</i> , 2020, 396, 125341.	12.7	130
114	Quantification of N-methyl morpholine N-oxide in biorefinery process solution by headspace gas chromatography. <i>Cellulose</i> , 2020, 27, 6861-6870.	4.9	4
115	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> , 2020, 198, 108294.	7.8	69
116	Highly Selective Conversion of Furfural to Furfural Alcohol or Levulinic Ester in One Pot over ZrO ₂ @SBA-15 and Its Kinetic Behavior. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5584-5594.	6.7	53
117	Conversion of Loblolly pine biomass residues to bio-oil in a two-step process: Fast pyrolysis in the presence of zeolite and catalytic hydrogenation. <i>Industrial Crops and Products</i> , 2020, 148, 112318.	5.2	21
118	Novel Modification of Collagen: Realizing Desired Water Solubility and Thermostability in a Conflict-Free Way. <i>ACS Omega</i> , 2020, 5, 5772-5780.	3.5	14
119	Biochars from Lignin-rich Residue of Furfural Manufacturing Process for Heavy Metal Ions Remediation. <i>Materials</i> , 2020, 13, 1037.	2.9	8
120	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> , 2020, 396, 125318.	12.7	93
121	A self-cleaning and photocatalytic cellulose-fiber-supported Ag@AgCl@MOF-cloth membrane for complex wastewater remediation. <i>Carbohydrate Polymers</i> , 2020, 247, 116691.	10.2	83
122	Modified Ti ₃ C ₂ TX (MXene) nanosheet-catalyzed self-assembled, anti-aggregated, ultra-stretchable, conductive hydrogels for wearable bioelectronics. <i>Chemical Engineering Journal</i> , 2020, 401, 126129.	12.7	92
123	Mild potassium hydroxide-based alkaline integrated biorefinery process of <i>Kash (Saccharum) Tj ETQq1</i> 1 0.784314 ¹⁰ BT /Overjock 10 ¹¹ ff		
124	Preparation and Characterization of Various Kraft Lignins and Impact on Their Pyrolysis Behaviors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3310-3320.	3.7	20
125	C-nanocoated ZnO by TEMPO-oxidized cellulose templating for improved photocatalytic performance. <i>Carbohydrate Polymers</i> , 2020, 235, 115958.	10.2	27
126	A New Kind of Nonconventional Luminogen Based on Aliphatic Polyhydroxyurethane and Its Potential Application in Ink-Free Anticounterfeiting Printing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11005-11015.	8.0	38

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127	High efficiency pyrolysis of used cigarette filters for ester-rich bio-oil through microwave-assisted heating. <i>Journal of Cleaner Production</i> , 2020, 257, 120596.	9.3	26
128	A simple and effective approach to fabricate lignin nanoparticles with tunable sizes based on lignin fractionation. <i>Green Chemistry</i> , 2020, 22, 2011-2017.	9.0	140
129	Comparison of single-stage and two-stage hydrothermal pretreatments for improving hemicellulose separation from bamboo chips. <i>Wood Science and Technology</i> , 2020, 54, 547-557.	3.2	4
130	A facile method for in situ fabrication of silica/cellulose aerogels and their application in CO ₂ capture. <i>Carbohydrate Polymers</i> , 2020, 236, 116079.	10.2	35
131	Efficient Fractionation of Corn Stover for Biorefinery Using a Sustainable Pathway. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3454-3464.	6.7	28
132	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> , 2020, 8, 5442-5448.	10.3	44
133	Mild One-Pot Lignocellulose Fractionation Based on Acid-Catalyzed Biphasic Water/Phenol System to Enhance Components' Processability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2772-2782.	6.7	34
134	Sustainable and Biodegradable Copolymers from SO ₂ and Renewable Eugenol: A Novel Urea Fertilizer Coating Material with Superior Slow Release Performance. <i>Macromolecules</i> , 2020, 53, 936-945.	4.8	38
135	Superhydrophobic wood grafted by poly(2-(perfluorooctyl)ethyl methacrylate) via ATRP with self-cleaning, abrasion resistance and anti-mold properties. <i>Holzforschung</i> , 2020, 74, 799-809.	1.9	17
136	Transparent and conductive cellulose film by controllably growing aluminum doped zinc oxide on regenerated cellulose film. <i>Cellulose</i> , 2020, 27, 4847-4855.	4.9	16
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