

# Lucian A Lucia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7255948/publications.pdf>

Version: 2024-02-01

257  
papers

11,283  
citations

70961

41  
h-index

34900

98  
g-index

265  
all docs

265  
docs citations

265  
times ranked

12694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose Nanocrystals: Chemistry, Self-Assembly, and Applications. <i>Chemical Reviews</i> , 2010, 110, 3479-3500.	23.0	4,701
2	One-pot polymerization, surface grafting, and processing of waterborne polyurethane-cellulose nanocrystal nanocomposites. <i>Journal of Materials Chemistry</i> , 2009, 19, 7137.	6.7	288
3	Toward a Better Understanding of the Lignin Isolation Process from Wood. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5939-5947.	2.4	208
4	Comparative Evaluation of Three Lignin Isolation Protocols for Various Wood Species. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9696-9705.	2.4	205
5	Hydrothermal Carbonization of Corncob Residues for Hydrochar Production. <i>Energy &amp; Fuels</i> , 2015, 29, 872-876.	2.5	146
6	Hydrogel-Based Sensor Networks: Compositions, Properties, and Applications—A Review. <i>ACS Applied Bio Materials</i> , 2021, 4, 140-162.	2.3	139
7	Cellulose and nanocellulose-based flexible-hybrid printed electronics and conductive composites—A review. <i>Carbohydrate Polymers</i> , 2018, 198, 249-260.	5.1	137
8	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. <i>Chemical Engineering Journal</i> , 2019, 364, 226-243.	6.6	125
9	Laccase-immobilized bacterial cellulose/TiO <sub>2</sub> functionalized composite membranes: Evaluation for photo- and bio-catalytic dye degradation. <i>Journal of Membrane Science</i> , 2017, 525, 89-98.	4.1	111
10	Deep Eutectic Solvents (DESs) for the Isolation of Willow Lignin ( <i>Salix matsudana</i> cv. Zhuliu). <i>International Journal of Molecular Sciences</i> , 2017, 18, 2266.	1.8	99
11	Nanocellulose-based multilayer barrier coatings for gas, oil, and grease resistance. <i>Carbohydrate Polymers</i> , 2019, 206, 281-288.	5.1	92
12	A one-pot biosynthesis of reduced graphene oxide (RGO)/bacterial cellulose (BC) nanocomposites. <i>Green Chemistry</i> , 2014, 16, 3195-3201.	4.6	90
13	On the propensity of lignin to associate: A size exclusion chromatography study with lignin derivatives isolated from different plant species. <i>Phytochemistry</i> , 2007, 68, 2570-2583.	1.4	88
14	Propensity of Lignin to Associate: Light Scattering Photometry Study with Native Lignins. <i>Biomacromolecules</i> , 2008, 9, 3362-3369.	2.6	88
15	Soy protein—nanocellulose composite aerogels. <i>Cellulose</i> , 2013, 20, 2417-2426.	2.4	85
16	Cellulose Nanocrystals/Cellulose Core-in-Shell Nanocomposite Assemblies. <i>Langmuir</i> , 2009, 25, 13250-13257.	1.6	81
17	Intrinsic parameters for the synthesis and tuned properties of amphiphilic chitosan drug delivery nanocarriers. <i>Journal of Controlled Release</i> , 2017, 260, 213-225.	4.8	77
18	General Spectroscopic Protocol to Obtain the Concentration of the Superoxide Anion Radical. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 9331-9334.	1.8	74

#	ARTICLE	IF	CITATIONS
19	Chemicals and energy from biomass. Canadian Journal of Chemistry, 2006, 84, 960-970.	0.6	73
20	The enhanced mechanical properties of a covalently bound chitosan/multiwalled carbon nanotube nanocomposite. Journal of Applied Polymer Science, 2009, 113, 466-472.	1.3	72
21	On the Surface Interactions of Proteins with Lignin. ACS Applied Materials & Interfaces, 2013, 5, 199-206.	4.0	71
22	A novel fabrication of monodisperse melamine-formaldehyde resin microspheres to adsorb lead (II). Chemical Engineering Journal, 2016, 288, 745-757.	6.6	69
23	A fundamental investigation of the microarchitecture and mechanical properties of tempo-oxidized nanofibrillated cellulose (NFC)-based aerogels. Cellulose, 2012, 19, 1945-1956.	2.4	67
24	Green Modification of Surface Characteristics of Cellulosic Materials at the Molecular or Nano Scale: A Review. BioResources, 2015, 10, .	0.5	65
25	A Fiber-Aligned Thermal-Managed Wood-Based Superhydrophobic Aerogel for Efficient Oil Recovery. ACS Sustainable Chemistry and Engineering, 2019, 7, 16428-16439.	3.2	65
26	Chemical and Spatial Differentiation of Syringyl and Guaiacyl Lignins in Poplar Wood via Time-of-Flight Secondary Ion Mass Spectrometry. Analytical Chemistry, 2011, 83, 7020-7026.	3.2	61
27	Effects of hardwood structural and chemical characteristics on enzymatic hydrolysis for biofuel production. Bioresource Technology, 2012, 110, 232-238.	4.8	60
28	Synthesis of soy protein-lignin nanofibers by solution electrospinning. Reactive and Functional Polymers, 2014, 85, 221-227.	2.0	58
29	Carboxyl Groups in Wood Fibers. 1. Determination of Carboxyl Groups by Headspace Gas Chromatography. Industrial & Engineering Chemistry Research, 2003, 42, 5440-5444.	1.8	56
30	Enhanced Aggregation Behavior of Antimony(V) Porphyrins in Polyfluorinated Surfactant/Clay Hybrid Microenvironment. Journal of Physical Chemistry B, 2003, 107, 3789-3797.	1.2	55
31	Nature-Inspired Liquid Infused Systems for Superwetable Surface Energies. ACS Applied Materials & Interfaces, 2019, 11, 21275-21293.	4.0	55
32	A Novel Cellulose Nanocrystals-Based Approach To Improve the Mechanical Properties of Recycled Paper. ACS Sustainable Chemistry and Engineering, 2013, 1, 1584-1592.	3.2	54
33	High-Strength Antibacterial Chitosan-Cellulose Nanocrystal Composite Tissue Paper. Langmuir, 2019, 35, 104-112.	1.6	51
34	Consequences of the nanoporosity of cellulosic fibers on their streaming potential and their interactions with cationic polyelectrolytes. Cellulose, 2007, 14, 655-671.	2.4	50
35	Isolation and characterization of lignins from <i>Eucalyptus grandis</i> Hill ex Maiden and <i>Eucalyptus globulus</i> Labill. by enzymatic mild acidolysis (EMAL). Holzforschung, 2008, 62, 24-30.	0.9	49
36	Unique thermo-responsivity and tunable optical performance of poly(N-isopropylacrylamide)-cellulose nanocrystal hydrogel films. Carbohydrate Polymers, 2019, 208, 495-503.	5.1	49

#	ARTICLE	IF	CITATIONS
37	Oxygen Delignification Chemistry and Its Impact on Pulp Fibers. <i>Journal of Wood Chemistry and Technology</i> , 2003, 23, 13-29.	0.9	45
38	An environmentally benign approach to achieving vectorial alignment and high microporosity in bacterial cellulose/chitosan scaffolds. <i>RSC Advances</i> , 2017, 7, 13678-13688.	1.7	45
39	Highly tunable bioadhesion and optics of 3D printable PNIPAm/cellulose nanofibrils hydrogels. <i>Carbohydrate Polymers</i> , 2020, 234, 115898.	5.1	45
40	Fluorine-based surface decorated cellulose nanocrystals as potential hydrophobic and oleophobic materials. <i>Cellulose</i> , 2015, 22, 397-406.	2.4	44
41	Active Tara Gum/PVA Blend Films with Curcumin-Loaded CTAC Brush-TEMPO-Oxidized Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8926-8934.	3.2	44
42	Polymerization Topochemistry of Cellulose Nanocrystals: A Function of Surface Dehydration Control. <i>Langmuir</i> , 2014, 30, 14670-14679.	1.6	43
43	Understanding shape and morphology of unusual tubular starch nanocrystals. <i>Carbohydrate Polymers</i> , 2016, 151, 666-675.	5.1	42
44	Understanding the pyrolysis of CCA-treated wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 81, 60-64.	2.6	41
45	Metal-based bacterial cellulose of sandwich nanomaterials for anti-oxidation electromagnetic interference shielding. <i>Materials and Design</i> , 2016, 112, 374-382.	3.3	41
46	Improving the physical and chemical functionality of starch-derived films with biopolymers. <i>Journal of Applied Polymer Science</i> , 2006, 100, 2542-2548.	1.3	40
47	Characterization of Lignin Extracted from Willow by Deep Eutectic Solvent Treatments. <i>Polymers</i> , 2018, 10, 869.	2.0	40
48	Novel Preparation and Characterization of Cellulose Microparticles Functionalized in Ionic Liquids. <i>Langmuir</i> , 2009, 25, 10116-10120.	1.6	39
49	A comparison of the pyrolysis behavior of selected $\beta$ -O-4 type lignin model compounds. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 185-192.	2.6	39
50	High performance nanocellulose-based composite coatings for oil and grease resistance. <i>Cellulose</i> , 2018, 25, 3377-3391.	2.4	39
51	Metal to ligand charge transfer photochemistry of Re(I)-alkyl complexes. <i>Inorganica Chimica Acta</i> , 1993, 208, 103-106.	1.2	38
52	Intramolecular Energy Transfer to trans-Stilbene. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5577-5584.	1.1	38
53	Quantitative $^{31}\text{P}$ NMR detection of oxygen-centered and carbon-centered radical species. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4017-4028.	1.4	38
54	Water-Wettable Polypropylene Fibers by Facile Surface Treatment Based on Soy Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6541-6548.	4.0	37

#	ARTICLE	IF	CITATIONS
55	Copper nanoparticles-sputtered bacterial cellulose nanocomposites displaying enhanced electromagnetic shielding, thermal, conduction, and mechanical properties. <i>Cellulose</i> , 2016, 23, 3117-3127.	2.4	37
56	Preparation and Characterization of Activated Carbon from Hydrochar by Phosphoric Acid Activation and its Adsorption Performance in Prehydrolysis Liquor. <i>BioResources</i> , 2017, 12, .	0.5	36
57	Kinetic Modeling of Formic Acid Pulping of Bagasse. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3097-3101.	2.4	35
58	Insights into the Potential of Hardwood Kraft Lignin to Be a Green Platform Material for Emergence of the Biorefinery. <i>Polymers</i> , 2020, 12, 1795.	2.0	35
59	The influence of the chemical and structural features of xylan on the physical properties of its derived hydrogels. <i>Soft Matter</i> , 2011, 7, 1090-1099.	1.2	34
60	Adsorption of Chemically Modified Xylans on Eucalyptus Pulp and Its Effect on the Pulp Physical Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 1138-1145.	1.8	34
61	Laccase immobilized on PAN/O-MMT composite nanofibers support for substrate bioremediation: a de novo adsorption and biocatalytic synergy. <i>RSC Advances</i> , 2016, 6, 41420-41427.	1.7	34
62	Outer Sphere Metal-to-Ligand Charge Transfer in Organometallic Ion Pairs. <i>Inorganic Chemistry</i> , 1997, 36, 6224-6234.	1.9	33
63	Alkali extraction of hemicellulose from depithed corn stover and effects on soda-AQ pulping. <i>BioResources</i> , 2011, 6, 196-206.	0.5	33
64	A Critical Review of the Performance and Soil Biodegradability Profiles of Biobased Natural and Chemically Synthesized Polymers in Industrial Applications. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2071-2095.	4.6	33
65	Innovating Generation of Nanocellulose from Industrial Hemp by Dual Asymmetric Centrifugation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1850-1858.	3.2	32
66	The structural changes of lignin and lignin-carbohydrate complexes in corn stover induced by mild sodium hydroxide treatment. <i>RSC Advances</i> , 2014, 4, 10845.	1.7	31
67	Two Schiff-base fluorescence probes based on triazole and benzotriazole for selective detection of Zn <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 296-303.	4.0	31
68	Physical Study of the Primary and Secondary Photothermal Events in Gold/Cellulose Nanocrystals (AuNP/CNC) Nanocomposites Embedded in PVA Matrices. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1601-1609.	3.2	31
69	Highly stretchable and bio-based sensors for sensitive strain detection of angular displacements. <i>Cellulose</i> , 2019, 26, 3401-3413.	2.4	31
70	Influence of Natural Biomaterials on the Absorbency and Transparency of Starch-Derived Films: An Optimization Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 6480-6485.	1.8	30
71	Synthesis, Characterization, and Evaluation of Chitosan-Complexed Starch Nanoparticles on the Physical Properties of Recycled Paper Furnish. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 11029-11037.	4.0	30
72	C-C Bond Fragmentation as a Probe for Photoinduced Intramolecular Electron Transfer. <i>The Journal of Physical Chemistry</i> , 1995, 99, 1961-1968.	2.9	29

#	ARTICLE	IF	CITATIONS
73	The non-trivial role of native xylans on the preparation of TEMPO-oxidized cellulose nanofibrils. <i>Reactive and Functional Polymers</i> , 2014, 85, 142-150.	2.0	29
74	Magnetic Cu <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles immobilized in situ on the surfaces of cellulose nanocrystals. <i>Cellulose</i> , 2015, 22, 2571-2587.	2.4	29
75	Structural reconstruction strategies for the design of cellulose nanomaterials and aligned wood cellulose-based functional materials – A review. <i>Carbohydrate Polymers</i> , 2020, 247, 116722.	5.1	29
76	The role of heteropolysaccharides in developing oxidized cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2016, 144, 187-195.	5.1	28
77	Highly flexible, transparent, and conductive silver nanowire-attached bacterial cellulose conductors. <i>Cellulose</i> , 2018, 25, 3189-3196.	2.4	28
78	Hydrothermal and mechanically generated hemp hurd nanofibers for sustainable barrier coatings/films. <i>Industrial Crops and Products</i> , 2021, 168, 113582.	2.5	28
79	The influence of lignin-carbohydrate complexes on the cellulase-mediated saccharification I: Transgenic black cottonwood (western balsam poplar, California poplar) <i>P. trichocarpa</i> including the xylan down-regulated and the lignin down-regulated lines. <i>Fuel</i> , 2014, 119, 207-213.	3.4	27
80	A New Class of Biobased Paper Dry Strength Agents: Synthesis and Characterization of Soy-Based Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 524-532.	3.2	27
81	The Topochemistry of Cellulose Nanofibrils as a Function of Mechanical Generation Energy. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1471-1478.	3.2	27
82	Ecofriendly and innovative processing of hemp hurds fibers for tissue and towel paper. <i>BioResources</i> , 2020, 15, 706-720.	0.5	27
83	Direct Observation of Ultrafast C-C Bond Fragmentation in a Diamine Radical Cation. <i>The Journal of Physical Chemistry</i> , 1995, 99, 11801-11804.	2.9	26
84	Investigation of the Chemical Basis for Inefficient Lignin Removal in Softwood Kraft Pulp during Oxygen Delignification. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 4269-4276.	1.8	26
85	Bioengineering tunable porosity in bacterial nanocellulose matrices. <i>Soft Matter</i> , 2019, 15, 9359-9367.	1.2	26
86	New Insights into Lignin Modification During Chlorine Dioxide Bleaching Sequences (I): Chlorine Dioxide Delignification. <i>Journal of Wood Chemistry and Technology</i> , 2005, 24, 201-219.	0.9	25
87	Adsorption of Glycinin and $\beta^2$ -Conglycinin on Silica and Cellulose: Surface Interactions as a Function of Denaturation, pH, and Electrolytes. <i>Biomacromolecules</i> , 2012, 13, 387-396.	2.6	25
88	Capillary flooding of wood with microemulsions from Winsor I systems. <i>Journal of Colloid and Interface Science</i> , 2012, 381, 171-179.	5.0	25
89	Soy Protein-Based Polyelectrolyte Complexes as Biobased Wood Fiber Dry Strength Agents. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2267-2274.	3.2	25
90	Spectral Monitoring of the Formation and Degradation of Polysulfide Ions in Alkaline Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 7388-7392.	1.8	24

#	ARTICLE	IF	CITATIONS
91	Products and Functional Group Distributions in Pyrolysis Oil of Chromated Copper Arsenate (CCA)-Treated Wood, as Elucidated by Gas Chromatography and a Novel <sup>31</sup> P NMR-Based Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 5258-5264.	1.8	24
92	Direct observation of carbon-carbon bond fragmentation in .alpha.-amino alcohol radical cations. <i>The Journal of Physical Chemistry</i> , 1993, 97, 9078-9080.	2.9	23
93	Photophysics of Tungsten and Molybdenum Arylcarbyne Complexes. Observation of the Lowest Excited State by Laser Flash Photolysis. <i>Inorganic Chemistry</i> , 1996, 35, 7769-7775.	1.9	23
94	Novel visualization studies of lignocellulosic oxidation chemistry by application of C-near edge X-ray absorption fine structure spectroscopy. <i>Cellulose</i> , 2005, 12, 35-41.	2.4	23
95	Quantitative Analyses of Lignin Hydrothermolysates from Subcritical Water and Water-Ethanol Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 10328-10334.	1.8	23
96	New insights into the material chemistry of polycaprolactone-grafted cellulose nanofibrils/polyurethane nanocomposites. <i>Cellulose</i> , 2016, 23, 2457-2473.	2.4	23
97	Tuning the Morphology of Microparticles from Spray Drying of Cellulose Nanocrystal Suspensions by Hydrophobic Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5376-5384.	3.2	23
98	Lipase-catalyzed laurate esterification of cellulose nanocrystals and their use as reinforcement in PLA composites. <i>Cellulose</i> , 2020, 27, 6263-6273.	2.4	23
99	Titanium Dioxide Catalyzed Photodegradation of Lignin in Industrial Effluents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 7996-8000.	1.8	22
100	Understanding the pyrolysis of CCA-treated wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 82, 140-144.	2.6	22
101	RAFT synthesis of cellulose- <i>g</i> -polymethylmethacrylate copolymer in an ionic liquid. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4840-4849.	1.3	21
102	One-Pot Solvothermal Synthesis of Graphene Nanocomposites for Catalytic Conversion of Cellulose to Ethylene Glycol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11110-11117.	3.2	21
103	Facile Preparation and Characteristic Analysis of Sulfated Cellulose Nanofibril via the Pretreatment of Sulfamic Acid-Glycerol Based Deep Eutectic Solvents. <i>Nanomaterials</i> , 2021, 11, 2778.	1.9	21
104	Mechanistic Investigation of Rice Straw Lignin Subunit Bond Cleavages and Subsequent Formation of Monophenols. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 430-437.	3.2	20
105	Ultra-efficient photo-triggerable healing and shape-memory nanocomposite materials doped with copper sulfide nanoparticles. <i>Composites Science and Technology</i> , 2020, 199, 108371.	3.8	20
106	The morphology, self-assembly, and host-guest properties of cellulose nanocrystals surface grafted with cholesterol. <i>Carbohydrate Polymers</i> , 2020, 233, 115840.	5.1	20
107	Cholesterol-modified lignin: A new avenue for green nanoparticles, melttable materials, and drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110685.	2.5	19
108	Lignocellulosic Fibers from Renewable Resources Using Green Chemistry for a Circular Economy. <i>Global Challenges</i> , 2021, 5, 2000065.	1.8	19

#	ARTICLE	IF	CITATIONS
109	A systematic examination of the dynamics of water-cellulose interactions on capillary force-induced fiber collapse. <i>Carbohydrate Polymers</i> , 2022, 295, 119856.	5.1	19
110	Graft polymerization of $\hat{\mu}$ -caprolactone to cellulose nanocrystals and optimization of grafting conditions utilizing a response surface methodology. <i>Nordic Pulp and Paper Research Journal</i> , 2014, 29, 58-68.	0.3	18
111	Pseudo-Janus Zn/Al-based nanocomposites for Cr(VI) sorption/remediation and evolved photocatalytic functionality. <i>Chemical Engineering Journal</i> , 2015, 277, 150-158.	6.6	18
112	Synthesis and Characterization of Alkali Lignin-based Hydrogels from Ionic Liquids. <i>BioResources</i> , 2017, 12, .	0.5	18
113	Informal STEM education will accelerate the bioeconomy. <i>Nature Biotechnology</i> , 2019, 37, 103-104.	9.4	18
114	Crustacean shell-based biosorption water remediation platforms: Status and perspectives. <i>Journal of Environmental Management</i> , 2019, 231, 757-762.	3.8	18
115	Photooxidation of a Conjugated Diene by an Exciplex Mechanism: $\hat{\Delta}$ Amplification via Radical Chain Reactions in the Perylene Diimide-Photosensitized Oxidation of $\hat{\pm}$ -Terpinene. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9095-9098.	1.1	17
116	New insights into the fundamental nature of lignocellulosic fiber surface charge. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 392-397.	5.0	17
117	Investigation of the photo-oxidative chemistry of acetylated softwood lignin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 215-221.	2.0	17
118	Influence of Natural Biomaterials on the Elastic Properties of Starch-Derived Films: $\hat{\Delta}$ An Optimization Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 627-633.	1.8	17
119	Survey of Soy Protein Flour as a Novel Dry Strength Agent for Papermaking Furnishes. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9828-9833.	2.4	17
120	Unique Dual Functions for Carbon Dots in Emulsion Preparations: Costabilization and Fluorescence Probing. <i>Langmuir</i> , 2015, 31, 9537-9545.	1.6	17
121	Super Stable and Tough Hydrogel Containing Covalent, Crystalline, and Ionic Cross $\hat{\Delta}$ Links. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 32-38.	1.1	17
122	Stabilization of chitosan-based polyelectrolyte nanoparticle cargo delivery biomaterials by a multiple ionic cross-linking strategy. <i>Carbohydrate Polymers</i> , 2020, 231, 115709.	5.1	17
123	Remarkable Physical and Thermal Properties of Hydrothermal Carbonized Nanoscale Cellulose Observed from Citric Acid Catalysis and Acetone Rinsing. <i>Nanomaterials</i> , 2020, 10, 1049.	1.9	17
124	Near-Infrared Spectroscopy and Chemometric Analysis for Determining Oxygen Delignification Yield. <i>Journal of Wood Chemistry and Technology</i> , 2008, 28, 122-136.	0.9	16
125	Reinforcement Effects of Inorganic Nanoparticles for Double-Network Hydrogels. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 1290-1299.	1.7	16
126	Near-critical water hydrothermal transformation of industrial lignins to high value phenolics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 297-303.	2.6	16

#	ARTICLE	IF	CITATIONS
127	Bentonite-supported nanoscale zero-valent iron granulated electrodes for industrial wastewater remediation. <i>RSC Advances</i> , 2017, 7, 44605-44613.	1.7	16
128	The Effect of the Kraft Pulping Process, Wood Species, and pH on Lignin Recovery from Black Liquor. <i>Fibers</i> , 2022, 10, 16.	1.8	16
129	Adsorption of cationized eucalyptus heteropolysaccharides onto chemical and mechanical pulp fibers. <i>Carbohydrate Polymers</i> , 2015, 123, 324-330.	5.1	15
130	Cage escape yields for photoinduced bimolecular electron transfer reactions of Re(I) complexes. <i>Inorganica Chimica Acta</i> , 1994, 225, 41-49.	1.2	14
131	Chemicals, Materials, and Energy from Biomass: A Review. <i>ACS Symposium Series</i> , 2007, , 2-30.	0.5	14
132	A simple method to tune the gross antibacterial activity of cellulosic biomaterials. <i>Carbohydrate Polymers</i> , 2007, 69, 805-810.	5.1	14
133	Fiber nanotechnology: a new platform for "green" research and technological innovations. <i>Cellulose</i> , 2007, 14, 539-542.	2.4	14
134	Sudanese Agro-residue as a Novel Furnish for Pulp and Paper Manufacturing. <i>BioResources</i> , 2017, 12, .	0.5	14
135	Modeling the pyrolytic behavior of lignin through two representative monomers: Vanillin and acetovanillone. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 241-248.	2.6	14
136	Synthesis of Cationic Xylan Derivatives and Application as Strengthening Agents in Papermaking. <i>BioResources</i> , 2018, 13, .	0.5	14
137	In situ 3D bacterial cellulose/nitrogen-doped graphene oxide quantum dot-based membrane fluorescent probes for aggregation-induced detection of iron ions. <i>Cellulose</i> , 2019, 26, 6073-6086.	2.4	14
138	A new protocol for efficient and high yield preparation of cellulose nanofibrils. <i>Cellulose</i> , 2019, 26, 877-887.	2.4	14
139	Novel all-cellulose composite displaying aligned cellulose nanofibers reinforced with cellulose nanocrystals. <i>Tappi Journal</i> , 2011, 10, 19-25.	0.2	14
140	Photoinduced Charge Separation Promoted by Ring Opening of a Piperazine Radical Cation. <i>Journal of the American Chemical Society</i> , 1996, 118, 3057-3058.	6.6	13
141	The Structure of Lignin of Corn Stover and its Changes Induced by Mild Sodium Hydroxide Treatment. <i>BioResources</i> , 2014, 9, .	0.5	13
142	Acid-Generated Soy Protein Hydrolysates and Their Interfacial Behavior on Model Surfaces. <i>Biomacromolecules</i> , 2014, 15, 4336-4342.	2.6	13
143	Development of a Highly Efficient Pretreatment Sequence for the Enzymatic Saccharification of Loblolly Pine Wood. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3669-3678.	3.2	13
144	Evaluation of Sudanese Sorghum and Bagasse as a Pulp and Paper Feedstock. <i>BioResources</i> , 2017, 12, .	0.5	13

#	ARTICLE	IF	CITATIONS
145	Cooperative Electron Transfer Fragmentation Reactions. Amplification of a Photoreaction through A Tandem Chain Fragmentation of Acceptor and Donor Pinacols. <i>Journal of the American Chemical Society</i> , 1998, 120, 439-440.	6.6	12
146	Catalysis of Glucose to 5-Hydroxymethylfurfural using Sn-Beta Zeolites and a Brønsted Acid in Biphasic Systems. <i>BioResources</i> , 2015, 10, .	0.5	12
147	Supercritical Water-induced Lignin Decomposition Reactions: A Structural and Quantitative Study. <i>BioResources</i> , 2016, 11, .	0.5	12
148	The role of absorbed hemicelluloses on final paper properties and printability. <i>Fibers and Polymers</i> , 2016, 17, 389-395.	1.1	12
149	Starch Derivatives that Contribute Significantly to the Bonding and Antibacterial Character of Recycled Fibers. <i>ACS Omega</i> , 2018, 3, 5260-5265.	1.6	12
150	Modeling pyrolytic behavior of pre-oxidized lignin using four representative $\beta$ -ether-type lignin-like model polymers. <i>Fuel Processing Technology</i> , 2018, 176, 221-229.	3.7	12
151	Bacterial Superoleophobic Fibrous Matrices: A Naturally Occurring Liquid-Infused System for Oil-Water Separation. <i>Langmuir</i> , 2021, 37, 2552-2562.	1.6	12
152	Comparative Evaluation of Oxygen Delignification Processes for Low- and High-Lignin-Content Softwood Kraft Pulps. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 5171-5180.	1.8	11
153	A semi-interpenetrating network polyampholyte hydrogel simultaneously demonstrating remarkable toughness and antibacterial properties. <i>New Journal of Chemistry</i> , 2016, 40, 10520-10525.	1.4	11
154	A feasible approach efficiently redisperses dried cellulose nanofibrils in water: vacuum or freeze drying in the presence of sodium chloride. <i>Cellulose</i> , 2021, 28, 829-842.	2.4	11
155	Toward synergistic reinforced graphene nanoplatelets composite hydrogels with self-healing and multi-stimuli responses. <i>Polymer</i> , 2021, 234, 124228.	1.8	11
156	New Insights into Lignin Modification During Chlorine Dioxide Bleaching Sequences (II): Modifications in Extraction (E) and Chlorine Dioxide Bleaching (D1). <i>Journal of Wood Chemistry and Technology</i> , 2005, 24, 221-237.	0.9	10
157	Quantitative Molecular Structure-Pyrolytic Energy Correlation for Hardwood Lignins. <i>Energy &amp; Fuels</i> , 2012, 26, 1315-1322.	2.5	10
158	A Novel Approach for Rapid Preparation of Monophasic Microemulsions That Facilitates Penetration of Woody Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1665-1672.	3.2	10
159	Analytical Pyrolysis Characteristics of Enzymatic/Mild Acidolysis Lignin (EMAL). <i>BioResources</i> , 2018, 13, .	0.5	10
160	Spectroscopic Interrogation of the Acetylation Selectivity of Hardwood Biopolymers. <i>Starch/Staerke</i> , 2019, 71, 1900086.	1.1	10
161	Underwater Superoleophobic Matrix-Formatted Liquid-Infused Porous Biomembranes for Extremely Efficient Deconstitution of Nanoemulsions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50996-51006.	4.0	10
162	3D Photoinduced Spatiotemporal Resolution of Cellulose-Based Hydrogels for Fabrication of Biomedical Devices. <i>ACS Applied Bio Materials</i> , 2020, 3, 5007-5019.	2.3	10

#	ARTICLE	IF	CITATIONS
163	Hydrothermal carbonization of soybean hulls for the generation of hydrochar: A promising valorization pathway for low value biomass. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100571.	1.7	10
164	Fundamental insights into the oxidation of lignocellulosics obtained from singlet oxygen photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 168, 205-209.	2.0	9
165	New Insights into Lignin Modification during Chlorine Dioxide Bleaching Sequences (III): The Impact of Modifications in the (EO) versus E Stage on the D1 Stage. <i>Journal of Wood Chemistry and Technology</i> , 2005, 25, 133-147.	0.9	9
166	The Impact of Xylanase and Hot Acid Pretreatment on HexAs in Eucalyptus Kraft Pulp Bleaching. <i>Journal of Wood Chemistry and Technology</i> , 2015, 35, 239-250.	0.9	9
167	Hydrothermal-Controlled Conversion of Black Liquor Acid Sediment Directly to Phenolics. <i>Energy &amp; Fuels</i> , 2017, 31, 1638-1643.	2.5	9
168	Secondary pyrolysis pathway of monomeric aromatics resulting from oxidized $\beta$ -O-4 lignin dimeric model compounds. <i>Fuel Processing Technology</i> , 2017, 168, 11-19.	3.7	9
169	Use of TOF-SIMS for the analysis of surface metals in H <sub>2</sub> O <sub>2</sub> -bleached lignocellulosic fibers. <i>Pure and Applied Chemistry</i> , 2001, 73, 2047-2058.	0.9	9
170	Analytical Pyrolysis Pathways of Guaiacyl Glycerol- $\beta$ -guaiacyl Ether by Py-GC/MS. <i>BioResources</i> , 2016, 11, .	0.5	9
171	PHOTOYELLOWING OF UNTREATED AND ACETYLATED ASPEN CHEMITHERMOMECHANICAL PULP UNDER ARGON, AMBIENT, AND OXYGEN ATMOSPHERES. <i>Journal of Wood Chemistry and Technology</i> , 2001, 21, 343-360.	0.9	8
172	Relationship between the Kraft Green Liquor Sulfide Chemical Form and the Physical and Chemical Behavior of Softwood Chips during Pretreatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 3831-3837.	1.8	8
173	TMAH-pyrolysis $\beta$ - gas chromatography $\beta$ - mass spectrometry analysis of residual lignin changes in softwood kraft pulp during oxygen delignification. <i>Canadian Journal of Chemistry</i> , 2004, 82, 1197-1202.	0.6	8
174	Kinetic Profiling of Green Liquor-Modified Kraft Pulping. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 2948-2954.	1.8	8
175	Hydrothermal Carbonization of Nanofibrillated Cellulose: A Pioneering Model Study Demonstrating the Effect of Size on Final Material Qualities. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1823-1830.	3.2	8
176	Impact factors for flux decline in ultrafiltration of lignocellulosic hydrolysis liquor. <i>Separation and Purification Technology</i> , 2020, 240, 116597.	3.9	8
177	New Insights into Lignin Modification during Chlorine Dioxide Bleaching Sequences (IV): The Impact of Modifications in the (EP) and (EOP) Stages on the D1 Stage. <i>Journal of Wood Chemistry and Technology</i> , 2005, 25, 149-170.	0.9	7
178	Atom efficient thermal and photocuring combined treatments for the synthesis of novel eco-friendly grid-like zein nanofibres. <i>RSC Advances</i> , 2014, 4, 61573-61579.	1.7	7
179	Ionic Liquid-Based Molecular Oxygen Oxidation of Eucalyptus Kraft Lignin to Obtain a Suite of Monomeric Aromatic By-Products. <i>Journal of Wood Chemistry and Technology</i> , 2015, 35, 280-290.	0.9	7
180	Molecular Changes in Corn Stover Lignin Resulting from Pretreatment Chemistry. <i>BioResources</i> , 2017, 12, .	0.5	7

#	ARTICLE	IF	CITATIONS
181	Efficient green approaches for the preparation of physically crosslinked chitin gel materials by freeze-induced self-assembly. <i>Journal of Molecular Liquids</i> , 2020, 320, 114392.	2.3	7
182	Improved stress relaxation resistance of composites films by soy protein polymer. <i>Composites Communications</i> , 2021, 24, 100644.	3.3	7
183	Improved method for evaluation of cellulose degradation. <i>Journal of Wood Science</i> , 2003, 49, 285-288.	0.9	6
184	Kraft Green Liquor Pretreatment of Softwood Chips. 1. Chemical Sorption Profiles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 646-652.	1.8	6
185	Chemical Basis for a Selectivity Threshold to the Oxygen Delignification of Kraft Softwood Fiber As Supported by the Use of Chemical Selectivity Agents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 2291-2295.	1.8	6
186	Application of Photo-oxidative Processes for the Remediation of Bleached Kraft Pulp Effluent. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 11214-11220.	1.8	6
187	Coacervated liposoluble fructan-based host-guest microspheres as unique drug delivery materials. <i>RSC Advances</i> , 2015, 5, 67759-67766.	1.7	6
188	Ultrasound-assisted Xylanase Treatment of Chemo-Mechanical Poplar Pulp. <i>BioResources</i> , 2016, 11, .	0.5	6
189	Chitosan-Based Reagents Endow Recycled Paper Fibers with Remarkable Physical and Antimicrobial Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 7282-7286.	1.8	6
190	Enhancement of Lignin Extraction of Poplar by Treatment of Deep Eutectic Solvent with Low Halogen Content. <i>Polymers</i> , 2020, 12, 1599.	2.0	6
191	A quantitative comparison of the precipitation behavior of lignin from sweetgum and pine kraft black liquors. <i>BioResources</i> , 2020, 15, 5464-5480.	0.5	6
192	Enhancement of delignification by ionic liquids pretreatment and modification of hardwood kraft pulp in preparation for bleaching. <i>BioResources</i> , 2020, 15, 6299-6308.	0.5	6
193	Chemical Response of Hardwood Oligosaccharides as a Statistical Function of Isolation Protocol. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2953-2959.	2.4	5
194	Chemical Elucidation of Structurally Diverse Willow Lignins. <i>BioResources</i> , 2015, 11, .	0.5	5
195	Quantitative Study of the Interfacial Adsorption of Cellulase to Cellulose. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14160-14166.	1.5	5
196	Effect of side-chain structure on hydrothermolysis of lignin model compounds. <i>Fuel Processing Technology</i> , 2017, 166, 124-130.	3.7	5
197	Ionic Liquid-Mediated Homogeneous Esterification of Cinnamic Anhydride to Xylans. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2502.	1.8	5
198	Unique alkyl ketene dimer Pickering-based dispersions: Preparation and application to paper sizing. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45730.	1.3	5

#	ARTICLE	IF	CITATIONS
199	Organic Solvent Isolation and Structural Characterization of Willow Lignin. <i>BioResources</i> , 2018, 13, .	0.5	5
200	Simultaneously improved chitin gel formation and thermal stability promoted by TiO <sub>2</sub> . <i>Journal of Molecular Liquids</i> , 2021, 328, 115332.	2.3	5
201	Fabrication of cross-linked starch-based nanofibrous mat with optimized diameter. <i>Tappi Journal</i> , 2019, 18, 381-389.	0.2	5
202	Investigation of the Chemistry of Oxygen Delignification of Low Kappa Softwood Kraft Pulp using an Organic/Inorganic Chemical Selectivity System. <i>Journal of Wood Chemistry and Technology</i> , 2005, 25, 95-108.	0.9	4
203	Chemical Study of the Variation in the Bleaching and Pulping Response of Predominantly Juvenile and Mature Northern Black Spruce Fractions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 1652-1659.	1.8	4
204	Tuning Solute Partitioning Coefficients in a Biphasic Ionic Liquid/Water System to Facilitate Extraction of Lignin-Oxidized Aromatics. <i>BioResources</i> , 2015, 10, .	0.5	4
205	Soy flour detackification of stickies from paper recycling. <i>Nordic Pulp and Paper Research Journal</i> , 2015, 30, 541-545.	0.3	4
206	Catalytic Stepwise Pyrolysis of Technical Lignin. <i>BioResources</i> , 2017, 12, .	0.5	4
207	Sudanese Dicots as Alternative Fiber Sources for Pulp and Papermaking. <i>Drvna Industrija</i> , 2018, 69, 175-182.	0.3	4
208	Silver-doped carbon fibers at low loading capacity that display high antibacterial properties. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1628-1637.	1.6	4
209	Esterified Polysaccharide Composites that Display Super Absorbency from Highly Favorable Hydrogen and Ionic Interactions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 14234-14241.	1.8	4
210	Improved reswelling behaviors and thermal stability of polyvinyl alcohol composite gels assisted by salt. <i>Materials Letters</i> , 2020, 281, 128743.	1.3	4
211	Understanding the effect of severity factor of prehydrolysis on dissolving pulp production using prehydrolysis kraft pulping and elemental chlorine-free bleaching sequence. <i>BioResources</i> , 2020, 15, 4323-4336.	0.5	4
212	Breaking the Oxygen Delignification Barrier: Lignin Reactivity and Inactivity. <i>ACS Symposium Series</i> , 2001, , 92-107.	0.5	3
213	A novel and efficient approach for imparting magnetic susceptibility to lignocellulosic fibers. <i>Carbohydrate Polymers</i> , 2005, 59, 517-520.	5.1	3
214	Modifying the Functionality of Starch Films with Natural Polymers. <i>ACS Symposium Series</i> , 2007, , 200-218.	0.5	3
215	Kinetics of atom transfer radical polymerization of methyl methacrylate initiated by cellulose chloroacetate in BMIMCl. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 159-165.	1.3	3
216	A preliminary assay of the potential of soy protein isolate and its hydrolysates to provide interfiber bonding enhancements in lignocellulosic furnishes. <i>Reactive and Functional Polymers</i> , 2014, 85, 228-234.	2.0	3

#	ARTICLE	IF	CITATIONS
217	Structural elucidation of lignins from corncob acid hydrolysis residue by enzymatic mild acidolysis and deep eutectic solvent pretreatment. <i>BioResources</i> , 2020, 15, 4362-4372.	0.5	3
218	Green synthesis, characterization, and catalytic application of a supported and magnetically isolable copper-iron oxide-sodium alginate. <i>Green Synthesis and Catalysis</i> , 2022, 3, 179-184.	3.7	3
219	Electron Transfer Photofragmentation Reactions in Monolayer Films at the Air/Water Interface. <i>Langmuir</i> , 1998, 14, 3663-3672.	1.6	2
220	Effect of lignin content and magnesium-to-manganese ratio on the selectivity of oxygen delignification in softwood kraft pulp. <i>Pure and Applied Chemistry</i> , 2001, 73, 2059-2065.	0.9	2
221	Ionic Liquids as a New Platform for Fiber Brittleness Removal. <i>BioResources</i> , 2015, 10, .	0.5	2
222	Bioremediation of Dyes Using Ultrafine Membrane Prepared from the Waste Culture of <i>Ganoderma lucidum</i> with in-situ Immobilization of Laccase. <i>BioResources</i> , 2016, 11, .	0.5	2
223	Effect of different headspace concentrations of bornyl acetate on fecundity of green peach aphid and balsam woolly adelgid. <i>Scandinavian Journal of Forest Research</i> , 2017, 32, 397-405.	0.5	2
224	High-Bulk Water Dispersible Paper-Based Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11334-11338.	3.2	2
225	Fractionation and Characterization of Three Main Components from <i>Pennisetum sinense</i> Roxb. (P.) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> Overloc	0.5	2
226	Synthesizing Magnetic Support for Laccase Immobilization for the Purification of Pre-hydrolysis Liquor. <i>BioResources</i> , 2017, 13, .	0.5	2
227	Chitin-clay composite gels with enhanced thermal stability prepared in a green and facile approach. <i>Journal of Materials Science</i> , 2021, 56, 3600-3611.	1.7	2
228	Fabrication of magnetic lignin-based adsorbent for removal of methyl orange dye from aqueous solution. <i>BioResources</i> , 2021, 16, 5436-5449.	0.5	2
229	Probing the molecular weights of sweetgum and pine kraft lignin fractions. <i>Tappi Journal</i> , 2021, 20, 381-391.	0.2	2
230	Structural Analysis of Fast-Growing Aspen Alkaline Peroxide Mechanical Pulp Lignin: A Post-Enzymatic Treatment. <i>BioResources</i> , 2015, 11, .	0.5	2
231	Facile synthesis of lignosulfonate-graphene porous hydrogel for effective removal of Cr(VI) from aqueous solution. <i>BioResources</i> , 2019, 14, 7001-7014.	0.5	2
232	Suitable approach using agricultural residues for pulp and paper manufacturing. <i>Nordic Pulp and Paper Research Journal</i> , 2017, 32, 674-682.	0.3	2
233	Staged alkali and hydrogen peroxide treatment of poplar chemi-mechanical pulp. <i>BioResources</i> , 2020, 15, 1062-1073.	0.5	2
234	The effects of lignocellulosic fiber surface area on the dynamics of lignin oxidation and diffusion. <i>Journal of Applied Polymer Science</i> , 2004, 94, 177-181.	1.3	1

#	ARTICLE	IF	CITATIONS
235	Oxidative Chemistry of Lignin in Supercritical Carbon Dioxide and Expanded Liquids. ACS Symposium Series, 2007, , 311-331.	0.5	1
236	Polysulfide Distribution During Kraft Pulping. Industrial & Engineering Chemistry Research, 2010, 49, 3983-3985.	1.8	1
237	BIOMASS EDUCATION IN THE TWENTY-FIRST CENTURY. BioResources, 2012, 7, .	0.5	1
238	Potential contribution of anion exclusion to hydroxide penetration in green liquor-modified kraft pulping. Holzforschung, 2014, 68, 617-621.	0.9	1
239	Physico-Chemical Responses of Fraser Fir Induced by Balsam Woolly Adelgid (Homoptera: Adelgidae) Infestation. Journal of Entomological Science, 2016, 51, 94-97.	0.2	1
240	Biomechanical Pulping of Poplar with Crude Enzyme Secreted from Trametes sp. Ig-9. BioResources, 2018, 13, .	0.5	1
241	Pulp properties and spent pretreatment solution resulting from reed pulping with a low alkali loading. BioResources, 2021, 16, 2303-2313.	0.5	1
242	Soy flour and soy lecithin improve paper strength and formation. Nordic Pulp and Paper Research Journal, 2016, 31, 407-410.	0.3	1
243	Fundamental molecular characterization and comparison of the O, DO, and E stage effluents from hardwood pulp bleaching. Tappi Journal, 2019, 18, 341-351.	0.2	1
244	Properties of TX-100/n-Butanol/Cyclohexane/Water Microemulsion and Its Osmosis for Wood. Journal of Biobased Materials and Bioenergy, 2011, 5, 197-202.	0.1	1
245	Controlling porosity and density of nanocellulose aerogels for superhydrophobic light materials. Tappi Journal, 2018, 17, 145-153.	0.2	1
246	Using multistage models to evaluate how pulp washing after the first extraction stage impacts elemental chlorine-free bleach demand. Tappi Journal, 2018, 17, 621-630.	0.2	1
247	Soybean peroxidase treatment of ultra-high kappa softwood pulp to enhance yield and physical properties. Tappi Journal, 2020, 19, 437-443.	0.2	1
248	Preparation of an amphoteric lignin copolymer and its value in the papermaking industry. BioResources, 2020, 15, 9625-9641.	0.5	1
249	Evidence for antimicrobial activity in hemp hurds and lignin-containing nanofibrillated cellulose materials. Cellulose, 0, , .	2.4	1
250	A study of anthraquinone-fortified green liquor pretreatment of loblolly pine chips. Holzforschung, 2009, 63, .	0.9	0
251	Preparation and properties of polyurethane/benzyl amylose semi-interpenetrating networks. Journal of Applied Polymer Science, 2010, 116, 1299-1305.	1.3	0
252	Novel Screening Technique: Integrated Combinatorial Green Chemistry & Life Cycle Analysis (CGC-LCA). BioResources, 2013, 8, .	0.5	0

#	ARTICLE	IF	CITATIONS
253	Hemp Is the 21st Century Tobacco. ACS Agricultural Science and Technology, 2021, 1, 283-284.	1.0	0
254	Application of the Protoplast Fusion Technique to Engineer a Recombinant Microorganism to More Efficiently Degrade Chlorophenols. BioResources, 2015, 10, .	0.5	0
255	BioResources: Ten Years of Service for the Progress of the Science and Technology of Lignocellulosic Products. BioResources, 2015, 11, .	0.5	0
256	Producing Hydrochar from Cotton Linter Black Liquor and Performing Alkali Recovery. BioResources, 2017, 12, .	0.5	0
257	The Attraction of Magnetically Susceptible Paper. , 2006, , 209-214.		0