

# Lucian A Lucia

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249  
papers

8,759  
citations

36  
h-index

88  
g-index

265  
ext. papers

9,960  
ext. citations

4.9  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
249	The Effect of the Kraft Pulping Process, Wood Species, and pH on Lignin Recovery from Black Liquor. <i>Fibers</i> , <b>2022</b> , 10, 16	3.7	1
248	Facile Preparation and Characteristic Analysis of Sulfated Cellulose Nanofibril via the Pretreatment of Sulfamic Acid-Glycerol Based Deep Eutectic Solvents. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
247	Simultaneously improved chitin gel formation and thermal stability promoted by TiO <sub>2</sub> . <i>Journal of Molecular Liquids</i> , <b>2021</b> , 328, 115332	6	3
246	Improved stress relaxation resistance of composites films by soy protein polymer. <i>Composites Communications</i> , <b>2021</b> , 24, 100644	6.7	3
245	Hemp Is the 21st Century Tobacco. <i>ACS Agricultural Science and Technology</i> , <b>2021</b> , 1, 283-284		
244	Fabrication of magnetic lignin-based adsorbent for removal of methyl orange dye from aqueous solution. <i>BioResources</i> , <b>2021</b> , 16, 5436-5449	1.3	1
243	Probing the molecular weights of sweetgum and pine kraft lignin fractions. <i>Tappi Journal</i> , <b>2021</b> , 20, 381-391	3.1	2
242	Lignocellulosic Fibers from Renewable Resources Using Green Chemistry for a Circular Economy. <i>Global Challenges</i> , <b>2021</b> , 5, 2000065	4.3	6
241	A feasible approach efficiently redispersed dried cellulose nanofibrils in water: vacuum or freeze drying in the presence of sodium chloride. <i>Cellulose</i> , <b>2021</b> , 28, 829-842	5.5	2
240	Hydrogel-Based Sensor Networks: Compositions, Properties, and Applications-A Review.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 140-162	4.1	32
239	Chitin/clay composite gels with enhanced thermal stability prepared in a green and facile approach. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 3600-3611	4.3	1
238	Pulp properties and spent pretreatment solution resulting from reed pulping with a low alkali loading. <i>BioResources</i> , <b>2021</b> , 16, 2303-2313	1.3	1
237	Bacterial Superoleophobic Fibrous Matrices: A Naturally Occurring Liquid-Infused System for Oil-Water Separation. <i>Langmuir</i> , <b>2021</b> , 37, 2552-2562	4	4
236	Hydrothermal and mechanically generated hemp hurd nanofibers for sustainable barrier coatings/films. <i>Industrial Crops and Products</i> , <b>2021</b> , 168, 113582	5.9	6
235	Toward synergistic reinforced graphene nanoplatelets composite hydrogels with self-healing and multi-stimuli responses. <i>Polymer</i> , <b>2021</b> , 124228	3.9	3
234	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> , <b>2021</b> , 16, 100571	3.3	2
233	Lipase-catalyzed laurate esterification of cellulose nanocrystals and their use as reinforcement in PLA composites. <i>Cellulose</i> , <b>2020</b> , 27, 6263-6273	5.5	13

232	Remarkable Physical and Thermal Properties of Hydrothermal Carbonized Nanoscale Cellulose Observed from Citric Acid Catalysis and Acetone Rinsing. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	8
231	Structural reconstruction strategies for the design of cellulose nanomaterials and aligned wood cellulose-based functional materials - A review. <i>Carbohydrate Polymers</i> , <b>2020</b> , 247, 116722	10.3	13
230	3D Photoinduced Spatiotemporal Resolution of Cellulose-Based Hydrogels for Fabrication of Biomedical Devices.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 5007-5019	4.1	6
229	The morphology, self-assembly, and host-guest properties of cellulose nanocrystals surface grafted with cholesterol. <i>Carbohydrate Polymers</i> , <b>2020</b> , 233, 115840	10.3	12
228	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> , <b>2020</b> , 8, 1823-1830	8.3	4
227	Impact factors for flux decline in ultrafiltration of lignocellulosic hydrolysis liquor. <i>Separation and Purification Technology</i> , <b>2020</b> , 240, 116597	8.3	5
226	Highly tunable bioadhesion and optics of 3D printable PNIPAm/cellulose nanofibrils hydrogels. <i>Carbohydrate Polymers</i> , <b>2020</b> , 234, 115898	10.3	28
225	Ecofriendly and innovative processing of hemp hurds fibers for tissue and towel paper. <i>BioResources</i> , <b>2020</b> , 15, 706-720	1.3	9
224	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> , <b>2020</b> , 15, 4323-4336	1.3	1
223	A quantitative comparison of the precipitation behavior of lignin from sweetgum and pine kraft black liquors. <i>BioResources</i> , <b>2020</b> , 15, 5464-5480	1.3	3
222	Enhancement of delignification by ionic liquids pretreatment and modification of hardwood kraft pulp in preparation for bleaching. <i>BioResources</i> , <b>2020</b> , 15, 6299-6308	1.3	5
221	Soybean peroxidase treatment of ultra-high kappa softwood pulp to enhance yield and physical properties. <i>Tappi Journal</i> , <b>2020</b> , 19, 437-443	0.5	
220	Preparation of an amphoteric lignin copolymer and its value in the papermaking industry. <i>BioResources</i> , <b>2020</b> , 15, 9625-9641	1.3	1
219	Staged alkali and hydrogen peroxide treatment of poplar chemi-mechanical pulp. <i>BioResources</i> , <b>2020</b> , 15, 1062-1073	1.3	1
218	Structural elucidation of lignins from corncob acid hydrolysis residue by enzymatic mild acidolysis and deep eutectic solvent pretreatment. <i>BioResources</i> , <b>2020</b> , 15, 4362-4372	1.3	2
217	Innovating Generation of Nanocellulose from Industrial Hemp by Dual Asymmetric Centrifugation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1850-1858	8.3	17
216	Stabilization of chitosan-based polyelectrolyte nanoparticle cargo delivery biomaterials by a multiple ionic cross-linking strategy. <i>Carbohydrate Polymers</i> , <b>2020</b> , 231, 115709	10.3	13
215	The Topochemistry of Cellulose Nanofibrils as a Function of Mechanical Generation Energy. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1471-1478	8.3	11

214	Cholesterol-modified lignin: A new avenue for green nanoparticles, meltable materials, and drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 186, 110685	6	10
213	Esterified Polysaccharide Composites that Display Super Absorbency from Highly Favorable Hydrogen and Ionic Interactions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 14234-14243 <sup>9</sup>	3.9	2
212	Efficient green approaches for the preparation of physically crosslinked chitin gel materials by freeze-induced self-assembly. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 320, 114392	6	3
211	Improved reswelling behaviors and thermal stability of polyvinyl alcohol composite gels assisted by salt. <i>Materials Letters</i> , <b>2020</b> , 281, 128743	3.3	1
210	Enhancement of Lignin Extraction of Poplar by Treatment of Deep Eutectic Solvent with Low Halogen Content. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
209	Ultra-efficient photo-triggerable healing and shape-memory nanocomposite materials doped with copper sulfide nanoparticles. <i>Composites Science and Technology</i> , <b>2020</b> , 199, 108371	8.6	8
208	Underwater Superoleophobic Matrix-Formatted Liquid-Infused Porous Biomembranes for Extremely Efficient Deconstitution of Nanoemulsions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50996-51006	9.5	5
207	Insights into the Potential of Hardwood Kraft Lignin to Be a Green Platform Material for Emergence of the Biorefinery. <i>Polymers</i> , <b>2020</b> , 12,	4.5	18
206	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 226-243	14.7	75
205	Tuning the Morphology of Microparticles from Spray Drying of Cellulose Nanocrystal Suspensions by Hydrophobic Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5376-5384	8.3	17
204	One-Pot Solvothermal Synthesis of Graphene Nanocomposites for Catalytic Conversion of Cellulose to Ethylene Glycol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11110-11117	8.3	7
203	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> , <b>2019</b> , 26, 6073-6086	5.5	9
202	Nature-Inspired Liquid Infused Systems for Superwetttable Surface Energies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21275-21293	9.5	41
201	A Fiber-Aligned Thermal-Managed Wood-Based Superhydrophobic Aerogel for Efficient Oil Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16428-16439	8.3	38
200	Silver-doped carbon fibers at low loading capacity that display high antibacterial properties. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 1628-1637	3.5	2
199	Spectroscopic Interrogation of the Acetylation Selectivity of Hardwood Biopolymers. <i>Starch/Staerke</i> , <b>2019</b> , 71, 1900086	2.3	4
198	Facile synthesis of liginosulfonate-graphene porous hydrogel for effective removal of Cr(VI) from aqueous solution. <i>BioResources</i> , <b>2019</b> , 14, 7001-7014	1.3	1
197	Fundamental molecular characterization and comparison of the O, D0, and E stage effluents from hardwood pulp bleaching. <i>Tappi Journal</i> , <b>2019</b> , 18, 341-351	0.5	1

196	Fabrication of cross-linked starch-based nanofibrous mat with optimized diameter. <i>Tappi Journal</i> , <b>2019</b> , 18, 381-389	0.5	3
195	Highly stretchable and bio-based sensors for sensitive strain detection of angular displacements. <i>Cellulose</i> , <b>2019</b> , 26, 3401-3413	5.5	20
194	Bioengineering tunable porosity in bacterial nanocellulose matrices. <i>Soft Matter</i> , <b>2019</b> , 15, 9359-9367	3.6	13
193	Unique thermo-responsivity and tunable optical performance of poly(N-isopropylacrylamide)-cellulose nanocrystal hydrogel films. <i>Carbohydrate Polymers</i> , <b>2019</b> , 208, 495-503	10.3	30
192	Informal STEM education will accelerate the bioeconomy. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 103-104	44.5	9
191	Crustacean shell-based biosorption water remediation platforms: Status and perspectives. <i>Journal of Environmental Management</i> , <b>2019</b> , 231, 757-762	7.9	14
190	A new protocol for efficient and high yield preparation of cellulose nanofibrils. <i>Cellulose</i> , <b>2019</b> , 26, 877-887	8.5	7
189	High-Strength Antibacterial Chitosan-Cellulose Nanocrystal Composite Tissue Paper. <i>Langmuir</i> , <b>2019</b> , 35, 104-112	4	27
188	Nanocellulose-based multilayer barrier coatings for gas, oil, and grease resistance. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 281-288	10.3	50
187	Highly flexible, transparent, and conductive silver nanowire-attached bacterial cellulose conductors. <i>Cellulose</i> , <b>2018</b> , 25, 3189-3196	5.5	23
186	Modeling the pyrolytic behavior of lignin through two representative monomers: Vanillin and acetovanillone. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2018</b> , 130, 241-248	6	9
185	High performance nanocellulose-based composite coatings for oil and grease resistance. <i>Cellulose</i> , <b>2018</b> , 25, 3377-3391	5.5	23
184	Mechanistic Investigation of Rice Straw Lignin Subunit Bond Cleavages and Subsequent Formation of Monophenols. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 430-437	8.3	18
183	Unique alkyl ketene dimer Pickering-based dispersions: Preparation and application to paper sizing. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45730	2.9	2
182	Biomechanical Pulping of Poplar with Crude Enzyme Secreted from <i>Trametes</i> sp. Ig-9. <i>BioResources</i> , <b>2018</b> , 13,	1.3	1
181	Characterization of Lignin Extracted from Willow by Deep Eutectic Solvent Treatments. <i>Polymers</i> , <b>2018</b> , 10,	4.5	26
180	Cellulose and nanocellulose-based flexible-hybrid printed electronics and conductive composites - A review. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 249-260	10.3	101
179	Controlling porosity and density of nanocellulose aerogels for superhydrophobic light materials. <i>Tappi Journal</i> , <b>2018</b> , 17, 145-153	0.5	1

178	Using multistage models to evaluate how pulp washing after the first extraction stage impacts elemental chlorine-free bleach demand. <i>Tappi Journal</i> , <b>2018</b> , 17, 621-630	0.5	0
177	Synthesis of Cationic Xylan Derivatives and Application as Strengthening Agents in Papermaking. <i>BioResources</i> , <b>2018</b> , 13,	1.3	8
176	Sudanese Dicots as Alternative Fiber Sources for Pulp and Papermaking. <i>Drvna Industrija</i> , <b>2018</b> , 69, 175-188		2
175	Organic Solvent Isolation and Structural Characterization of Willow Lignin. <i>BioResources</i> , <b>2018</b> , 13,	1.3	2
174	Analytical Pyrolysis Characteristics of Enzymatic/Mild Acidolysis Lignin (EMAL). <i>BioResources</i> , <b>2018</b> , 13,	1.3	6
173	Starch Derivatives that Contribute Significantly to the Bonding and Antibacterial Character of Recycled Fibers. <i>ACS Omega</i> , <b>2018</b> , 3, 5260-5265	3.9	5
172	Modeling pyrolytic behavior of pre-oxidized lignin using four representative ether-type lignin-like model polymers. <i>Fuel Processing Technology</i> , <b>2018</b> , 176, 221-229	7.2	11
171	Active Tara Gum/PVA Blend Films with Curcumin-Loaded CTAC Brush-TEMPO-Oxidized Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8926-8934	8.3	24
170	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> , <b>2017</b> , 5, 1601-1609	8.3	25
169	Hydrothermal-Controlled Conversion of Black Liquor Acid Sediment Directly to Phenolics. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 1638-1643	4.1	8
168	Water Sorption and Barrier Properties of Cellulose Nanocomposites <b>2017</b> , 649-681		2
167	An environmentally benign approach to achieving vectorial alignment and high microporosity in bacterial cellulose/chitosan scaffolds. <i>RSC Advances</i> , <b>2017</b> , 7, 13678-13688	3.7	30
166	Intrinsic parameters for the synthesis and tuned properties of amphiphilic chitosan drug delivery nanocarriers. <i>Journal of Controlled Release</i> , <b>2017</b> , 260, 213-225	11.7	56
165	Effect of side-chain structure on hydrothermolysis of lignin model compounds. <i>Fuel Processing Technology</i> , <b>2017</b> , 166, 124-130	7.2	5
164	A comparison of the pyrolysis behavior of selected HO-4 type lignin model compounds. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2017</b> , 125, 185-192	6	34
163	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> , <b>2017</b> , 32, 397-405	1.7	1
162	Catalytic Stepwise Pyrolysis of Technical Lignin. <i>BioResources</i> , <b>2017</b> , 12,	1.3	2
161	Fractionation and Characterization of Three Main Components from Pennisetum sinense Roxb. (P. sinense) by Microwave-assisted H <sub>2</sub> O <sub>2</sub> -NaOH Extraction. <i>BioResources</i> , <b>2017</b> , 12,	1.3	1

160	Sudanese Agro-residue as a Novel Furnish for Pulp and Paper Manufacturing. <i>BioResources</i> , <b>2017</b> , 12,	1.3	8
159	Synthesizing Magnetic Support for Laccase Immobilization for the Purification of Pre-hydrolysis Liquor. <i>BioResources</i> , <b>2017</b> , 13,	1.3	2
158	Preparation and Characterization of Activated Carbon from Hydrochar by Phosphoric Acid Activation and its Adsorption Performance in Prehydrolysis Liquor. <i>BioResources</i> , <b>2017</b> , 12,	1.3	18
157	Molecular Changes in Corn Stover Lignin Resulting from Pretreatment Chemistry. <i>BioResources</i> , <b>2017</b> , 12,	1.3	5
156	Evaluation of Sudanese Sorghum and Bagasse as a Pulp and Paper Feedstock. <i>BioResources</i> , <b>2017</b> , 12,	1.3	6
155	Characterization Methods and Techniques <b>2017</b> , 107-140		1
154	Bentonite-supported nanoscale zero-valent iron granulated electrodes for industrial wastewater remediation. <i>RSC Advances</i> , <b>2017</b> , 7, 44605-44613	3.7	10
153	Secondary pyrolysis pathway of monomeric aromatics resulting from oxidized $\beta$ -O-4 lignin dimeric model compounds. <i>Fuel Processing Technology</i> , <b>2017</b> , 168, 11-19	7.2	8
152	High-Bulk Water Dispersible Paper-Based Composites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11334-11338	8.3	1
151	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> , <b>2017</b> , 525, 89-98	9.6	85
150	Synthesis and Characterization of Alkali Lignin-based Hydrogels from Ionic Liquids. <i>BioResources</i> , <b>2017</b> , 12,	1.3	15
149	Deep Eutectic Solvents (DESs) for the Isolation of Willow Lignin ( <i>Salix matsudana</i> cv. Zhuliu). <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	64
148	Ionic Liquid-Mediated Homogeneous Esterification of Cinnamic Anhydride to Xylans. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	1
147	Suitable approach using agricultural residues for pulp and paper manufacturing. <i>Nordic Pulp and Paper Research Journal</i> , <b>2017</b> , 32, 674-682	1.1	2
146	New insights into the material chemistry of polycaprolactone-grafted cellulose nanofibrils/polyurethane nanocomposites. <i>Cellulose</i> , <b>2016</b> , 23, 2457-2473	5.5	19
145	Copper nanoparticles-sputtered bacterial cellulose nanocomposites displaying enhanced electromagnetic shielding, thermal, conduction, and mechanical properties. <i>Cellulose</i> , <b>2016</b> , 23, 3117-3127	5.5	33
144	A semi-interpenetrating network polyampholyte hydrogel simultaneously demonstrating remarkable toughness and antibacterial properties. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10520-10525	3.6	7
143	The role of absorbed hemicelluloses on final paper properties and printability. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 389-395	2	6



142	Understanding shape and morphology of unusual tubular starch nanocrystals. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 666-675	10.3	24
141	Chitosan-Based Reagents Endow Recycled Paper Fibers with Remarkable Physical and Antimicrobial Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 7282-7286	3.9	5
140	A novel fabrication of monodisperse melamine-formaldehyde resin microspheres to adsorb lead (II). <i>Chemical Engineering Journal</i> , <b>2016</b> , 288, 745-757	14.7	54
139	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> , <b>2016</b> , 227, 296-303	8.5	26
138	A Novel Approach for Rapid Preparation of Monophasic Microemulsions That Facilitates Penetration of Woody Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1665-1672	8.3	3
137	The role of heteropolysaccharides in developing oxidized cellulose nanofibrils. <i>Carbohydrate Polymers</i> , <b>2016</b> , 144, 187-95	10.3	20
136	Analytical Pyrolysis Pathways of Guaiacyl Glycerol- $\beta$ -guaiacyl Ether by Py-GC/MS. <i>BioResources</i> , <b>2016</b> , 11,	1.3	4
135	Soy flour and soy lecithin improve paper strength and formation. <i>Nordic Pulp and Paper Research Journal</i> , <b>2016</b> , 31, 407-410	1.1	1
134	Supercritical Water-induced Lignin Decomposition Reactions: A Structural and Quantitative Study. <i>BioResources</i> , <b>2016</b> , 11,	1.3	10
133	Ultrasound-assisted Xylanase Treatment of Chemi-Mechanical Poplar Pulp. <i>BioResources</i> , <b>2016</b> , 11,	1.3	4
132	Near-critical water hydrothermal transformation of industrial lignins to high value phenolics. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2016</b> , 120, 297-303	6	8
131	Development of a Highly Efficient Pretreatment Sequence for the Enzymatic Saccharification of Loblolly Pine Wood. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3669-3678	8.3	12
130	Laccase immobilized on PAN/O-MMT composite nanofibers support for substrate bioremediation: a de novo adsorption and biocatalytic synergy. <i>RSC Advances</i> , <b>2016</b> , 6, 41420-41427	3.7	26
129	Metal-based bacterial cellulose of sandwich nanomaterials for anti-oxidation electromagnetic interference shielding. <i>Materials and Design</i> , <b>2016</b> , 112, 374-382	8.1	30
128	Super Stable and Tough Hydrogel Containing Covalent, Crystalline, and Ionic Cross-Links. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 32-38	2.6	13
127	Coacervated liposoluble fructan-based host-guest microspheres as unique drug delivery materials. <i>RSC Advances</i> , <b>2015</b> , 5, 67759-67766	3.7	5
126	Quantitative Study of the Interfacial Adsorption of Cellulase to Cellulose. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 150612090427003	3.8	4
125	Pseudo-Janus Zn/Al-based nanocomposites for Cr(VI) sorption/remediation and evolved photocatalytic functionality. <i>Chemical Engineering Journal</i> , <b>2015</b> , 277, 150-158	14.7	18



124	The Impact of Xylanase and Hot Acid Pretreatment on HexAs in Eucalyptus Kraft Pulp Bleaching. <i>Journal of Wood Chemistry and Technology</i> , <b>2015</b> , 35, 239-250	2	6
123	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> , <b>2015</b> , 35, 280-290	2	6
122	Unique Dual Functions for Carbon Dots in Emulsion Preparations: Costabilization and Fluorescence Probing. <i>Langmuir</i> , <b>2015</b> , 31, 9537-45	4	16
121	Reinforcement Effects of Inorganic Nanoparticles for Double-Network Hydrogels. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 1290-1299	3.9	13
120	Tuning Solute Partitioning Coefficients in a Biphasic Ionic Liquid/Water System to Facilitate Extraction of Lignin-Oxidized Aromatics. <i>BioResources</i> , <b>2015</b> , 10,	1.3	2
119	Chemical Elucidation of Structurally Diverse Willow Lignins. <i>BioResources</i> , <b>2015</b> , 11,	1.3	5
118	Soy flour detackification of stickies from paper recycling. <i>Nordic Pulp and Paper Research Journal</i> , <b>2015</b> , 30, 541-545	1.1	4
117	Green Modification of Surface Characteristics of Cellulosic Materials at the Molecular or Nano Scale: A Review. <i>BioResources</i> , <b>2015</b> , 10,	1.3	50
116	Catalysis of Glucose to 5-Hydroxymethylfurfural using Sn-Beta Zeolites and a Brønsted Acid in Biphasic Systems. <i>BioResources</i> , <b>2015</b> , 10,	1.3	9
115	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> , <b>2015</b> , 22, 2571-2587	5.5	23
114	Fluorine-based surface decorated cellulose nanocrystals as potential hydrophobic and oleophobic materials. <i>Cellulose</i> , <b>2015</b> , 22, 397-406	5.5	32
113	Adsorption of cationized eucalyptus heteropolysaccharides onto chemical and mechanical pulp fibers. <i>Carbohydrate Polymers</i> , <b>2015</b> , 123, 324-30	10.3	11
112	Hydrothermal Carbonization of Corncob Residues for Hydrochar Production. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 872-876	4.1	95
111	A New Class of Biobased Paper Dry Strength Agents: Synthesis and Characterization of Soy-Based Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 524-532	8.3	22
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