

Jalel Labidi

List of Publications by Year in descending order

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286
papers

14,661
citations

19608

61
h-index

27345

106
g-index

301
all docs

301
docs citations

301
times ranked

14029
citing authors

#	ARTICLE	IF	CITATIONS
1	Physico-chemical characterization of lignins from different sources for use in phenol-formaldehyde resin synthesis. <i>Bioresource Technology</i> , 2007, 98, 1655-1663.	4.8	883
2	Lignin depolymerisation strategies: towards valuable chemicals and fuels. <i>Chemical Society Reviews</i> , 2014, 43, 7485-7500.	18.7	850
3	Current advancements in chitosan-based film production for food technology; A review. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 889-904.	3.6	303
4	Lignin separation and fractionation by ultrafiltration. <i>Separation and Purification Technology</i> , 2010, 71, 38-43.	3.9	280
5	Industrial and crop wastes: A new source for nanocellulose biorefinery. <i>Industrial Crops and Products</i> , 2016, 93, 26-38.	2.5	263
6	Physicochemical properties of PLA lignin blends. <i>Polymer Degradation and Stability</i> , 2014, 108, 330-338.	2.7	232
7	On chemistry of β -chitin. <i>Carbohydrate Polymers</i> , 2017, 176, 177-186.	5.1	225
8	Kraft lignin as filler in PLA to improve ductility and thermal properties. <i>Industrial Crops and Products</i> , 2015, 72, 46-53.	2.5	214
9	Improving base catalyzed lignin depolymerization by avoiding lignin repolymerization. <i>Fuel</i> , 2014, 116, 617-624.	3.4	199
10	Assesment of technical lignins for uses in biofuels and biomaterials: Structure-related properties, proximate analysis and chemical modification. <i>Industrial Crops and Products</i> , 2016, 83, 155-165.	2.5	199
11	Comparative study of lignin fractionation by ultrafiltration and selective precipitation. <i>Chemical Engineering Journal</i> , 2010, 157, 93-99.	6.6	196
12	Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of <i>Pistacia terebinthus</i> for active food packaging. <i>RSC Advances</i> , 2018, 8, 3941-3950.	1.7	196
13	Organosolv lignin depolymerization with different base catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1593-1599.	1.6	194
14	Surface-modified nano-cellulose as reinforcement in poly(lactic acid) to conform new composites. <i>Industrial Crops and Products</i> , 2015, 71, 44-53.	2.5	191
15	Characterization of lignins obtained by selective precipitation. <i>Separation and Purification Technology</i> , 2009, 68, 193-198.	3.9	186
16	Agricultural palm oil tree residues as raw material for cellulose, lignin and hemicelluloses production by ethylene glycol pulping process. <i>Chemical Engineering Journal</i> , 2009, 148, 106-114.	6.6	183
17	The effect of alkaline and silane treatments on mechanical properties and breakage of sisal fibers and poly(lactic acid)/sisal fiber composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 84, 186-195.	3.8	165
18	Microwave-assisted depolymerisation of organosolv lignin via mild hydrogen-free hydrogenolysis: Catalyst screening. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 43-55.	10.8	156

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19	Rice straw pulp obtained by using various methods. <i>Bioresource Technology</i> , 2008, 99, 2881-2886.	4.8	151
20	Study of the antioxidant capacity of <i>Miscanthus sinensis</i> lignins. <i>Process Biochemistry</i> , 2010, 45, 935-940.	1.8	147
21	Production and characterization of chitosan based edible films from <i>Berberis crataegina</i> 's fruit extract and seed oil. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 45, 287-297.	2.7	146
22	The effect of surface modifications on sisal fiber properties and sisal/poly (lactic acid) interface adhesion. <i>Composites Part B: Engineering</i> , 2015, 73, 132-138.	5.9	143
23	Chitin nanocrystals and nanofibers as nano-sized fillers into thermoplastic starch-based biocomposites processed by melt-mixing. <i>Chemical Engineering Journal</i> , 2014, 256, 356-364.	6.6	142
24	Role of chitin nanocrystals and nanofibers on physical, mechanical and functional properties in thermoplastic starch films. <i>Food Hydrocolloids</i> , 2015, 46, 93-102.	5.6	139
25	Processing of $\hat{\pm}$ -chitin nanofibers by dynamic high pressure homogenization: Characterization and antifungal activity against <i>A. niger</i> . <i>Carbohydrate Polymers</i> , 2015, 116, 286-291.	5.1	133
26	Determination of multiple sulfur isotopes in glasses: A reappraisal of the MORB $\hat{\tau}$ 34S. <i>Chemical Geology</i> , 2012, 334, 189-198.	1.4	131
27	Characterisation of Kraft lignin separated by gradient acid precipitation. <i>Industrial Crops and Products</i> , 2014, 55, 149-154.	2.5	123
28	Different routes to turn chitin into stunning nano-objects. <i>European Polymer Journal</i> , 2015, 68, 503-515.	2.6	120
29	Tannins extraction: A key point for their valorization and cleaner production. <i>Journal of Cleaner Production</i> , 2019, 206, 1138-1155.	4.6	117
30	Utilization of flax (<i>Linum usitatissimum</i>) cellulose nanocrystals as reinforcing material for chitosan films. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 944-952.	3.6	116
31	Lignin oxidation and depolymerisation in ionic liquids. <i>Green Chemistry</i> , 2016, 18, 834-841.	4.6	111
32	Lignin as natural radical scavenger. Effect of the obtaining and purification processes on the antioxidant behaviour of lignin. <i>Biochemical Engineering Journal</i> , 2012, 67, 173-185.	1.8	110
33	Base catalyzed depolymerization of lignin: Influence of organosolv lignin nature. <i>Biomass and Bioenergy</i> , 2014, 66, 379-386.	2.9	107
34	Effect of alkaline and autohydrolysis processes on the purity of obtained hemicelluloses from corn stalks. <i>Bioresource Technology</i> , 2012, 103, 239-248.	4.8	101
35	Combined organosolv and ultrafiltration lignocellulosic biorefinery process. <i>Chemical Engineering Journal</i> , 2010, 157, 113-120.	6.6	99
36	Functionalized blown films of plasticized polylactic acid/chitin nanocomposite: Preparation and characterization. <i>Materials and Design</i> , 2016, 92, 846-852.	3.3	94

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37	Heterogeneously Catalysed Mild Hydrogenolytic Depolymerisation of Lignin Under Microwave Irradiation with Hydrogen-Donating Solvents. <i>ChemCatChem</i> , 2013, 5, 977-985.	1.8	93
38	Adsorption of copper on chitin-based materials: Kinetic and thermodynamic studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 140-148.	2.7	93
39	Potential use of kraft and organosolv lignins as a natural additive for healthcare products. <i>RSC Advances</i> , 2018, 8, 24525-24533.	1.7	93
40	Chitosan-based delivery systems for plants: A brief overview of recent advances and future directions. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 683-697.	3.6	90
41	Oxidative Depolymerization of Lignin Using a Novel Polyoxometalate-Protic Ionic Liquid System. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6031-6036.	3.2	89
42	Ultrasound-assisted fractionation of the lignocellulosic material. <i>Bioresource Technology</i> , 2011, 102, 6326-6330.	4.8	88
43	Modified cellulose fibres for adsorption of organic compound in aqueous solution. <i>Separation and Purification Technology</i> , 2006, 52, 332-342.	3.9	85
44	Assessment of suitability of vine shoots for hemicellulosic oligosaccharides production through aqueous processing. <i>Bioresource Technology</i> , 2016, 211, 636-644.	4.8	84
45	Autohydrolysis and organosolv process for recovery of hemicelluloses, phenolic compounds and lignin from grape stalks. <i>Bioresource Technology</i> , 2012, 107, 267-274.	4.8	82
46	Fractionation of Organosolv Lignin from Olive Tree Clippings and its Valorization to Simple Phenolic Compounds. <i>ChemSusChem</i> , 2013, 6, 529-536.	3.6	82
47	Self-bonded composite films based on cellulose nanofibers and chitin nanocrystals as antifungal materials. <i>Carbohydrate Polymers</i> , 2016, 144, 41-49.	5.1	82
48	Lactic acid production by alkaline hydrothermal treatment of corn cobs. <i>Chemical Engineering Journal</i> , 2012, 181-182, 655-660.	6.6	77
49	Furfural production from corn cobs autohydrolysis liquors by microwave technology. <i>Industrial Crops and Products</i> , 2013, 42, 513-519.	2.5	77
50	Polyol production by chemical modification of date seeds. <i>Industrial Crops and Products</i> , 2011, 34, 1035-1040.	2.5	76
51	Preparing valuable renewable nanocomposite films based exclusively on oceanic biomass " Chitin nanofillers and chitosan. <i>Reactive and Functional Polymers</i> , 2015, 89, 31-39.	2.0	76
52	Lignin depolymerization for phenolic monomers production by sustainable processes. <i>Journal of Energy Chemistry</i> , 2017, 26, 622-631.	7.1	76
53	Evaluation of different lignocellulosic raw materials as potential alternative feedstocks in biorefinery processes. <i>Industrial Crops and Products</i> , 2014, 53, 102-110.	2.5	75
54	Effect of thermal treatment on physicochemical properties of Gypie messmate wood. <i>Industrial Crops and Products</i> , 2013, 45, 360-366.	2.5	74

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55	Effect of different organosolv treatments on the structure and properties of olive tree pruning lignin. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1103-1108.	2.9	72
56	Hydrothermal treatment of chestnut shells (<i>Castanea sativa</i>) to produce oligosaccharides and antioxidant compounds. <i>Carbohydrate Polymers</i> , 2018, 192, 75-83.	5.1	72
57	Corn cob arabinoxylan for new materials. <i>Carbohydrate Polymers</i> , 2014, 102, 12-20.	5.1	71
58	Characterization of hydrothermally treated wood in relation to changes on its chemical composition and physical properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 256-266.	2.6	68
59	Synergistic reinforcement of poly(vinyl alcohol) nanocomposites with cellulose nanocrystal-stabilized graphene. <i>Composites Science and Technology</i> , 2015, 117, 26-31.	3.8	68
60	Xylan ^{ac} cellulose films: Improvement of hydrophobicity, thermal and mechanical properties. <i>Carbohydrate Polymers</i> , 2014, 112, 56-62.	5.1	67
61	Integration of a solar thermal system in a dairy process. <i>Renewable Energy</i> , 2011, 36, 1843-1853.	4.3	65
62	Plantain fibre bundles isolated from Colombian agro-industrial residues. <i>Bioresource Technology</i> , 2008, 99, 486-491.	4.8	64
63	Polyols obtained from solvolysis liquefaction of biodiesel production solid residues. <i>Chemical Engineering Journal</i> , 2011, 175, 169-175.	6.6	63
64	Effect of the photocatalytic activity of TiO ₂ on lignin depolymerization. <i>Chemosphere</i> , 2013, 91, 1355-1361.	4.2	63
65	Exploiting Mycosporines as Natural Molecular Sunscreens for the Fabrication of UV-Absorbing Green Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16558-16564.	4.0	63
66	Production of cellulose nanoparticles from blue agave waste treated with environmentally friendly processes. <i>Carbohydrate Polymers</i> , 2018, 183, 294-302.	5.1	63
67	Antioxidant and antimicrobial activities of extracts obtained from the refining of autohydrolysis liquors of vine shoots. <i>Industrial Crops and Products</i> , 2017, 107, 105-113.	2.5	61
68	Yerba mate waste: A sustainable resource of antioxidant compounds. <i>Industrial Crops and Products</i> , 2018, 113, 398-405.	2.5	61
69	Halochromic and antioxidant capacity of smart films of chitosan/chitin nanocrystals with curcuma oil and anthocyanins. <i>Food Hydrocolloids</i> , 2022, 123, 107119.	5.6	61
70	Development of novel antimicrobial films based on poly(lactic acid) and essential oils. <i>Reactive and Functional Polymers</i> , 2016, 109, 1-8.	2.0	60
71	Optimization of alkaline pretreatment for the co-production of biopolymer lignin and bioethanol from chestnut shells following a biorefinery approach. <i>Industrial Crops and Products</i> , 2018, 124, 582-592.	2.5	60
72	Depolymerization of Different Organosolv Lignins in Supercritical Methanol, Ethanol, and Acetone To Produce Phenolic Monomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1373-1380.	3.2	59

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73	Antioxidant and biocide behaviour of lignin fractions from apple tree pruning residues. <i>Industrial Crops and Products</i> , 2017, 104, 242-252.	2.5	59
74	<i>Miscanthus sinensis</i> fractionation by different reagents. <i>Chemical Engineering Journal</i> , 2010, 156, 49-55.	6.6	58
75	Valorization of some lignocellulosic agro-industrial residues to obtain biopolyols. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 244-249.	1.6	58
76	Willow Lignin Oxidation and Depolymerization under Low Cost Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5277-5288.	3.2	57
77	Coproduction of lignin and glucose from vine shoots by eco-friendly strategies: Toward the development of an integrated biorefinery. <i>Bioresource Technology</i> , 2017, 244, 328-337.	4.8	57
78	Lignin valorization from side-streams produced during agricultural waste pulping and total chlorine free bleaching. <i>Journal of Cleaner Production</i> , 2017, 142, 2609-2617.	4.6	57
79	Diatomite as a novel composite ingredient for chitosan film with enhanced physicochemical properties. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1401-1411.	3.6	56
80	Supplementing capsaicin with chitosan-based films enhanced the anti-quorum sensing, antimicrobial, antioxidant, transparency, elasticity and hydrophobicity. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 438-446.	3.6	55
81	Effect of mass transfer kinetics on the performance of adsorptive heat pump systems. <i>Applied Thermal Engineering</i> , 2002, 22, 23-40.	3.0	53
82	Lignin extraction and purification with ionic liquids. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1248-1257.	1.6	53
83	Modeling of adsorption heat pumps with heat regeneration. <i>Applied Thermal Engineering</i> , 2004, 24, 431-447.	3.0	52
84	Vine shoots as new source for the manufacture of prebiotic oligosaccharides. <i>Carbohydrate Polymers</i> , 2019, 207, 34-43.	5.1	52
85	Production and characterization of chitosan-fungal extract films. <i>Food Bioscience</i> , 2020, 35, 100545.	2.0	52
86	Lignin liquefaction under microwave heating. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3292-3298.	1.3	51
87	Production and characterization of lignin and cellulose fractions obtained from pretreated vine shoots by microwave assisted alkali treatment. <i>Bioresource Technology</i> , 2019, 289, 121726.	4.8	51
88	Multiproduct biorefinery from vine shoots: Bio-ethanol and lignin production. <i>Renewable Energy</i> , 2019, 142, 612-623.	4.3	50
89	Effect of different hemicelluloses characteristics on film forming properties. <i>Industrial Crops and Products</i> , 2013, 47, 331-338.	2.5	49
90	Effect of different animal fat and plant oil additives on physicochemical, mechanical, antimicrobial and antioxidant properties of chitosan films. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 475-484.	3.6	48

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91	Comparison between developed models using response surface methodology (RSM) and artificial neural networks (ANNs) with the purpose to optimize oligosaccharide mixtures production from sugar beet pulp. <i>Industrial Crops and Products</i> , 2016, 92, 290-299.	2.5	46
92	Effect of Reaction Conditions on the Surface Modification of Cellulose Nanofibrils with Aminopropyl Triethoxysilane. <i>Coatings</i> , 2018, 8, 139.	1.2	46
93	Production of novel chia-mucilage nanocomposite films with starch nanocrystals; An inclusive biological and physicochemical perspective. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 663-673.	3.6	45
94	Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. <i>Food Hydrocolloids</i> , 2019, 89, 20-28.	5.6	45
95	Lignins for phenol replacement in novolac-type phenolic formulations, part I: Lignophenolic resins synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2313-2319.	1.3	44
96	Energy and economic assessment of soda and organosolv biorefinery processes. <i>Biomass and Bioenergy</i> , 2011, 35, 516-525.	2.9	44
97	Characterization and determination of the S/G ratio via Py-GC/MS of agricultural and industrial residues. <i>Industrial Crops and Products</i> , 2017, 97, 469-476.	2.5	44
98	Cellulose Nanocrystal Membranes as Excipients for Drug Delivery Systems. <i>Materials</i> , 2016, 9, 1002.	1.3	43
99	Comparative environmental Life Cycle Assessment of integral revalorization of vine shoots from a biorefinery perspective. <i>Science of the Total Environment</i> , 2018, 624, 225-240.	3.9	43
100	The Antifungal Activity of Functionalized Chitin Nanocrystals in Poly (Lactid Acid) Films. <i>Materials</i> , 2017, 10, 546.	1.3	42
101	Organic acids as a greener alternative for the precipitation of hardwood kraft lignins from the industrial black liquor. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 583-591.	3.6	42
102	Effect of ultrasound treatment on the physicochemical properties of alkaline lignin. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 62, 150-158.	1.8	41
103	Esterified organosolv lignin as hydrophobic agent for use on wood products. <i>Progress in Organic Coatings</i> , 2017, 103, 143-151.	1.9	41
104	Lignins from Agroindustrial by-Products as Natural Ingredients for Cosmetics: Chemical Structure and In Vitro Sunscreen and Cytotoxic Activities. <i>Molecules</i> , 2020, 25, 1131.	1.7	41
105	Isoconversional kinetic analysis of novolac-type lignophenolic resins cure. <i>Thermochimica Acta</i> , 2008, 471, 80-85.	1.2	40
106	Study of the influence of reutilization ionic liquid on lignin extraction. <i>Journal of Cleaner Production</i> , 2016, 111, 125-132.	4.6	40
107	Nanopaper from almond (<i>Prunus dulcis</i>) shell. <i>Cellulose</i> , 2014, 21, 1619-1629.	2.4	39
108	Assessment of green approaches for the synthesis of physically crosslinked lignin hydrogels. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 475-487.	2.9	39

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109	Enhancement of UV absorbance and mechanical properties of chitosan films by the incorporation of solvolytically fractionated lignins. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 447-455.	3.6	39
110	Lignin-ester derivatives as novel thermoplastic materials. <i>RSC Advances</i> , 2016, 6, 86909-86917.	1.7	37
111	Evaluation of different agricultural residues as raw materials for pulp and paper production using a semichemical process. <i>Journal of Cleaner Production</i> , 2017, 156, 184-193.	4.6	37
112	Triethyl Citrate (TEC) as a Dispersing Aid in Poly(lactic Acid)/Chitin Nanocomposites Prepared via Liquid-Assisted Extrusion. <i>Polymers</i> , 2017, 9, 406.	2.0	37
113	Characterisation of bark of six species from mixed Atlantic forest. <i>Industrial Crops and Products</i> , 2019, 137, 276-284.	2.5	37
114	Hemicelluloses obtaining from rapeseed cake residue generated in the biodiesel production process. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 293-298.	2.9	36
115	Enhancement of Lignin Production from Olive Tree Pruning Integrated in a Green Biorefinery. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6573-6579.	1.8	36
116	Evaluation of the effect of ultrasound on organosolv black liquor from olive tree pruning residues. <i>Bioresource Technology</i> , 2012, 108, 155-161.	4.8	36
117	Effect of combining cellulose nanocrystals and graphene nanoplatelets on the properties of poly(lactic acid) based films. <i>EXPRESS Polymer Letters</i> , 2018, 12, 543-555.	1.1	36
118	Predicting flotation efficiency using neural networks. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007, 46, 314-322.	1.8	35
119	Analytical characterization of purified mimosa (<i>Acacia mearnsii</i>) industrial tannin extract: Single and sequential fractionation. <i>Separation and Purification Technology</i> , 2017, 186, 218-225.	3.9	35
120	False flax (<i>Camelina sativa</i>) seed oil as suitable ingredient for the enhancement of physicochemical and biological properties of chitosan films. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1224-1232.	3.6	35
121	Functional Chitosan Derivative and Chitin as Decolorization Materials for Methylene Blue and Methyl Orange from Aqueous Solution. <i>Materials</i> , 2019, 12, 361.	1.3	35
122	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	35
123	Effect of organosolv and soda pulping processes on the metals content of non-woody pulps. <i>Bioresource Technology</i> , 2008, 99, 6621-6625.	4.8	34
124	Process for olive tree pruning lignin revalorisation. <i>Chemical Engineering Journal</i> , 2012, 193-194, 396-403.	6.6	34
125	Liquefaction of Kraft lignin using polyhydric alcohols and organic acids as catalysts for sustainable polyols production. <i>Industrial Crops and Products</i> , 2019, 137, 687-693.	2.5	34
126	Simultaneous microwave-ultrasound assisted extraction of bioactive compounds from bark. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 156, 108100.	1.8	34

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127	Antioxidant activity of phenolic compounds obtained by autohydrolysis of corn residues. <i>Industrial Crops and Products</i> , 2012, 36, 164-171.	2.5	33
128	Pinch and exergy based thermosolar integration in a dairy process. <i>Applied Thermal Engineering</i> , 2013, 50, 464-474.	3.0	33
129	Comparative evaluation of different thermally modified wood samples finishing with UV-curable and waterborne coatings. <i>Applied Surface Science</i> , 2015, 357, 1444-1453.	3.1	33
130	Economic analysis of a biorefinery process for catechol production from lignin. <i>Journal of Cleaner Production</i> , 2018, 198, 133-142.	4.6	33
131	Lignins for phenol replacement in novolac-type phenolic formulations. II. Flexural and compressive mechanical properties. <i>Journal of Applied Polymer Science</i> , 2008, 107, 159-165.	1.3	32
132	Evolution of thermally modified wood properties exposed to natural and artificial weathering and its potential as an element for façades systems. <i>Construction and Building Materials</i> , 2018, 172, 233-242.	3.2	32
133	Weathering resistance of thermally modified wood finished with coatings of diverse formulations. <i>Progress in Organic Coatings</i> , 2018, 119, 145-154.	1.9	32
134	Oxypropylation of Rapeseed Cake Residue Generated in the Biodiesel Production Process. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1526-1529.	1.8	31
135	Heat integration options based on pinch and exergy analyses of a thermosolar and heat pump in a fish tinning industrial process. <i>Energy</i> , 2013, 55, 23-37.	4.5	31
136	Modification of Eucalyptus and Spruce organosolv lignins with fatty acids to use as filler in PLA. <i>Reactive and Functional Polymers</i> , 2016, 104, 45-52.	2.0	31
137	The nanocellulose biorefinery: woody versus herbaceous agricultural wastes for NCC production. <i>Cellulose</i> , 2017, 24, 693-704.	2.4	31
138	UV-vis protective poly(vinyl alcohol)/bio-oil innovative films. <i>Industrial Crops and Products</i> , 2019, 131, 281-292.	2.5	31
139	Fermentable sugars recovery from grape stalks for bioethanol production. <i>Renewable Energy</i> , 2013, 60, 553-558.	4.3	29
140	Biological, mechanical, optical and physicochemical properties of natural chitin films obtained from the dorsal pronotum and the wing of cockroach. <i>Carbohydrate Polymers</i> , 2017, 163, 162-169.	5.1	29
141	Isocyanate curing of novolac-type ligno-phenol-formaldehyde resins. <i>Industrial Crops and Products</i> , 2008, 27, 208-213.	2.5	28
142	Unsaturated Polyester Nanocomposites modified with fibrillated cellulose and PEO-b-PPO-b-PEO block copolymer. <i>Composites Science and Technology</i> , 2013, 89, 120-126.	3.8	28
143	Spent sulphite liquor fractionation into liginosulphonates and fermentable sugars by ultrafiltration. <i>Separation and Purification Technology</i> , 2015, 152, 172-179.	3.9	28
144	Multiproduct biorefinery based on almond shells: Impact of the delignification stage on the manufacture of valuable products. <i>Bioresource Technology</i> , 2020, 315, 123896.	4.8	28

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145	Chitin Nanoforms Provide Mechanical and Topological Cues to Support Growth of Human Adipose Stem Cells in Chitosan Matrices. <i>Biomacromolecules</i> , 2018, 19, 3000-3012.	2.6	27
146	Preparation of chitosan/tannin and montmorillonite films as adsorbents for Methyl Orange dye removal. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 94-106.	3.6	27
147	Separation and Purification of Hemicellulose by Ultrafiltration. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 523-530.	1.8	26
148	Chemical modification of fast-growing eucalyptus wood. <i>Wood Science and Technology</i> , 2015, 49, 273-288.	1.4	26
149	Multistage treatment of almonds waste biomass: Characterization and assessment of the potential applications of raw material and products. <i>Waste Management</i> , 2018, 80, 40-50.	3.7	26
150	Crosslinked chitosan/poly(vinyl alcohol)-based polyelectrolytes for proton exchange membranes. <i>Reactive and Functional Polymers</i> , 2019, 142, 213-222.	2.0	26
151	Microwave-Assisted Extraction of <i>Curcuma longa</i> L. Oil: Optimization, Chemical Structure and Composition, Antioxidant Activity and Comparison with Conventional Soxhlet Extraction. <i>Molecules</i> , 2021, 26, 1516.	1.7	26
152	Mimosa and chestnut tannin extracts reacted with hexamine in solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 515-521.	2.0	25
153	Composition and structure of organosolv lignins from four eucalypt species. <i>Wood Science and Technology</i> , 2014, 48, 873-885.	1.4	25
154	Deterpenation of <i>Origanum majorana</i> L. essential oil by reduced pressure steam distillation. <i>Industrial Crops and Products</i> , 2017, 109, 116-122.	2.5	25
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