

# Jalel Labidi

## List of Publications by Year in descending order

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286  
papers

14,661  
citations

19608

61  
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27345

106  
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301  
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301  
docs citations

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times ranked

14029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the autohydrolysis treatment on the integral revalorisation of <i>Ziziphus lotus</i> . <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1413-1425.	2.9	6
2	Insecticidal effects of two Tunisian diatomaceous earth loaded with <i>Thymus capitatus</i> (L.) Hoffmans and Links as an ecofriendly approach for stored coleopteran pest control. <i>International Journal of Environmental Health Research</i> , 2023, 33, 398-412.	1.3	2
3	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
4	Fine-tune of lignin properties by its fractionation with a sequential organic solvent extraction. <i>Industrial Crops and Products</i> , 2022, 175, 114251.	2.5	16
5	Impact of the lignin type and source on the characteristics of physical lignin hydrogels. <i>Sustainable Materials and Technologies</i> , 2022, 31, e00369.	1.7	14
6	Lignin depolymerization for monomers production by sustainable processes. , 2022, , 65-110.		0
7	Composition and Techno-functional Properties of Grape Seed Flour Protein Extracts. <i>ACS Food Science &amp; Technology</i> , 2022, 2, 125-135.	1.3	8
8	Integral valorisation of walnut shells based on a three-step sequential delignification. <i>Journal of Environmental Management</i> , 2022, 310, 114730.	3.8	8
9	Valorization of waste bark for biorefineries: chemical characterization of <i>Eucalyptus camaldulensis</i> inner and outer barks. <i>Holzforschung</i> , 2022, 76, 285-293.	0.9	0
10	Macroporous Surgical Mesh from a Natural Cocoon Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5728-5738.	3.2	0
11	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
12	Non-destructive determination of core-transition-outer wood of <i>Pinus nigra</i> combining FTIR spectroscopy and prediction models. <i>Microchemical Journal</i> , 2022, 179, 107532.	2.3	7
13	Nanocellulose-based sensing platforms for heavy metal ions detection: A comprehensive review. <i>Chemosphere</i> , 2022, 302, 134823.	4.2	9
14	Physicochemical Characterization of Phase Change Materials for Industrial Waste Heat Recovery Applications. <i>Energies</i> , 2022, 15, 3640.	1.6	5
15	"CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITY OF PISTACIA VERA L. LEAVES: BENEFICIAL EFFECTS OF FEMALE LEAVES EXTRACT ON FOOD PRODUCTS ". <i>Cellulose Chemistry and Technology</i> , 2022, 56, 309-319.	0.5	5
16	Influence of the heating mechanism during the aqueous processing of vine shoots for the obtaining of hemicellulosic oligosaccharides. <i>Waste Management</i> , 2021, 120, 146-155.	3.7	20
17	Hydrothermal treatments of walnut shells: A potential pretreatment for subsequent product obtaining. <i>Science of the Total Environment</i> , 2021, 764, 142800.	3.9	21
18	Techno-economic analysis of different integrated biorefinery scenarios using lignocellulosic waste streams as source for phenolic alcohols production. <i>Journal of Cleaner Production</i> , 2021, 285, 124829.	4.6	7

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19	A status review of terpenes and their separation methods. <i>Reviews in Chemical Engineering</i> , 2021, 37, 433-447.	2.3	22
20	Lignin extraction and isolation methods. , 2021, , 61-104.		1
21	Lignin biopolymer: the material of choice for advanced lithium-based batteries. <i>RSC Advances</i> , 2021, 11, 23644-23653.	1.7	25
22	Production and Properties of Lignin Nanoparticles from Ethanol Organosolv Liquorsâ€”Influence of Origin and Pretreatment Conditions. <i>Polymers</i> , 2021, 13, 384.	2.0	15
23	Electrochemical Activity of Lignin Based Composite Membranes. <i>Polymers</i> , 2021, 13, 643.	2.0	9
24	Renewable Biopolyols from Residual Aqueous Phase Resulting after Lignin Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3608-3615.	3.2	4
25	Lignin-Based Polyols with Controlled Microstructure by Cationic Ring Opening Polymerization. <i>Polymers</i> , 2021, 13, 651.	2.0	8
26	Assessment of Bleached and Unbleached Nanofibers from Pistachio Shells for Nanopaper Making. <i>Molecules</i> , 2021, 26, 1371.	1.7	12
27	Microwave-Assisted Extraction of Curcuma longa L. Oil: Optimization, Chemical Structure and Composition, Antioxidant Activity and Comparison with Conventional Soxhlet Extraction. <i>Molecules</i> , 2021, 26, 1516.	1.7	26
28	Nanofibrillated Cellulose-Based Aerogels Functionalized with Tajuva ( <i>Maclura tinctoria</i> ) Heartwood Extract. <i>Polymers</i> , 2021, 13, 908.	2.0	5
29	Biphasic reaction systems for lignocellulosic biomass revalorisation. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 28, 100435.	3.2	5
30	Effect of Deterpenated <i>Origanum majorana</i> L. Essential Oil on the Physicochemical and Biological Properties of Chitosan/ $\beta$ -Chitin Nanofibers Nanocomposite Films. <i>Polymers</i> , 2021, 13, 1507.	2.0	8
31	Synthesis of advanced biobased green materials from renewable biopolymers. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 29, 100436.	3.2	25
32	Optimization of Ultrasound Assisted Extraction of Bioactive Compounds from Apple Pomace. <i>Molecules</i> , 2021, 26, 3783.	1.7	25
33	Valorization of heat-treated wood after service life through a cascading process for the production of lignocellulosic derivatives. <i>Resources, Conservation and Recycling</i> , 2021, 170, 105602.	5.3	2
34	Energy and environmental analysis of flavonoids extraction from bark using alternative solvents. <i>Journal of Cleaner Production</i> , 2021, 308, 127286.	4.6	14
35	Acid hydrolysis of almond shells in a biphasic reaction system: Obtaining of purified hemicellulosic monosaccharides in a single step. <i>Bioresource Technology</i> , 2021, 336, 125311.	4.8	11
36	Eco-friendly isolation and characterization of nanochitin from different origins by microwave irradiation: Optimization using response surface methodology. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 218-226.	3.6	17

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37	Life Cycle Assessment of various biorefinery approaches for the valorisation of almond shells. Sustainable Production and Consumption, 2021, 28, 749-759.	5.7	13
38	Understanding the effects of copolymerized cellulose nanofibers and diatomite nanocomposite on blend chitosan films. Carbohydrate Polymers, 2021, 271, 118424.	5.1	18
39	Wood Fireproofing Coatings Based on Biobased Phenolic Resins. ACS Sustainable Chemistry and Engineering, 2021, 9, 1729-1740.	3.2	25
40	Optimization of the extraction of galactoglucomannans from <i>Pinus halepensis</i> . Holzforschung, 2021, 75, 563-573.	0.9	2
41	Antioxidant, Antifungal and Phytochemical Investigations of <i>Capparis spinosa</i> L.. Agriculture (Switzerland), 2021, 11, 1025.	1.4	3
42	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. Frontiers in Marine Science, 2021, 8, .	1.2	35
43	Extraction of flavonoid compounds from bark using sustainable deep eutectic solvents. Sustainable Chemistry and Pharmacy, 2021, 24, 100544.	1.6	13
44	Removal of Dyes and Heavy Metals with Clays and Diatomite. Environmental Chemistry for A Sustainable World, 2021, , 539-569.	0.3	2
45	Microwave assisted synthesis of poly ( <i>N</i> -vinylimidazole) grafted chitosan as an effective adsorbent for mercury (II) removal from aqueous solution: Equilibrium, kinetic, thermodynamics and regeneration studies. Journal of Dispersion Science and Technology, 2020, 41, 828-840.	1.3	12
46	Direct lignin depolymerization process from sulfur-free black liquors. Fuel Processing Technology, 2020, 197, 106201.	3.7	20
47	Assessment of green approaches for the synthesis of physically crosslinked lignin hydrogels. Journal of Industrial and Engineering Chemistry, 2020, 81, 475-487.	2.9	39
48	Organic acids as a greener alternative for the precipitation of hardwood kraft lignins from the industrial black liquor. International Journal of Biological Macromolecules, 2020, 142, 583-591.	3.6	42
49	A novel and efficient approach to obtain lignin-based polyols with potential industrial applications. Polymer Chemistry, 2020, 11, 7362-7369.	1.9	10
50	Multiproduct biorefinery based on almond shells: Impact of the delignification stage on the manufacture of valuable products. Bioresource Technology, 2020, 315, 123896.	4.8	28
51	Study of a renewable capping agent addition in lignin base catalyzed depolymerization process. Fuel, 2020, 280, 118524.	3.4	13
52	Hydrophobization and Photo-Stabilization of Radiata Pinewood: The Effect of the Esterification on Thermal and Mechanical Properties. Forests, 2020, 11, 1243.	0.9	4
53	Termite Resistance of a Fast-Growing Pine Wood Treated by In Situ Polymerization of Three Different Precursors. Forests, 2020, 11, 865.	0.9	10
54	Thermochemical and Mechanical Properties of Pine Wood Treated by In Situ Polymerization of Methyl Methacrylate (MMA). Forests, 2020, 11, 768.	0.9	8

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55	Simultaneous microwave-ultrasound assisted extraction of bioactive compounds from bark. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 156, 108100.	1.8	34
56	Liquefaction of corn husks and properties of biodegradable biopolyol blends. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2973-2982.	1.6	9
57	Lignin - montmorillonite hydrogels as toluene adsorbent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125108.	2.3	22
58	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
59	Fractionation of non-timber wood from Atlantic mixed forest into high-value lignocellulosic materials. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 200-212.	0.9	0
60	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
61	Fast methods for the identification of suitable chemoenzymatic treatments of Kraft lignin to obtain aromatic compounds. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 521-532.	1.9	5
62	Sonochemical production of nanoscaled crystalline cellulose using organic acids. <i>Green Chemistry</i> , 2020, 22, 4627-4639.	4.6	18
63	Using $\beta$ -chitin nanocrystals to improve the final properties of poly (vinyl alcohol) films with <i>Origanum vulgare</i> essential oil. <i>Polymer Degradation and Stability</i> , 2020, 179, 109227.	2.7	18
64	Production and characterization of chitosan-fungal extract films. <i>Food Bioscience</i> , 2020, 35, 100545.	2.0	52
65	Effect of the formulation parameters on the absorption capacity of smart lignin-hydrogels. <i>European Polymer Journal</i> , 2020, 129, 109631.	2.6	21
66	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
67	Recovery of Bioactive Compounds from Hazelnuts and Walnuts Shells: Quantitative Qualitative Analysis and Chromatographic Purification. <i>Biomolecules</i> , 2020, 10, 1363.	1.8	19
68	Chitosan-based materials as templates for essential oils. , 2020, , 689-720.		1
69	Crosslinked chitosan/poly(vinyl alcohol)-based polyelectrolytes for proton exchange membranes. <i>Reactive and Functional Polymers</i> , 2019, 142, 213-222.	2.0	26
70	Formulation of Multifunctional Materials Based on the Reaction of Glyoxalated Lignins and a Nanoclay/Nanosilicate. <i>Biomacromolecules</i> , 2019, 20, 3535-3546.	2.6	14
71	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
72	Purification of industrial tannin extract through simple solid-liquid extractions. <i>Industrial Crops and Products</i> , 2019, 139, 111502.	2.5	20

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73	Effect of the Chemical Composition of Free-Terpene Hydrocarbons Essential Oils on Antifungal Activity. <i>Molecules</i> , 2019, 24, 3532.	1.7	15
74	Barrier properties of cellulose nanofiber film as an external layer of particleboard. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 2073-2079.	2.1	10
75	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
76	Characterisation of bark of six species from mixed Atlantic forest. <i>Industrial Crops and Products</i> , 2019, 137, 276-284.	2.5	37
77	Physicochemical and in vitro cytotoxic properties of chitosan from mushroom species ( <i>Boletus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.1	21
78	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
79	In vitro cytotoxicity studies of industrial Eucalyptus kraft lignins on mouse hepatoma, melanoma and Chinese hamster ovary cells. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 353-361.	3.6	24
80	Preparation of novel carboxymethylchitosan-graft-poly(methylmethacrylate) under microwave irradiation as a chitosan-based material for Hg <sup>2+</sup> removal. <i>Microchemical Journal</i> , 2019, 148, 531-540.	2.3	13
81	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
82	Multiproduct biorefinery from vine shoots: Bio-ethanol and lignin production. <i>Renewable Energy</i> , 2019, 142, 612-623.	4.3	50
83	UV-protective poly(vinyl alcohol)/bio-oil innovative films. <i>Industrial Crops and Products</i> , 2019, 131, 281-292.	2.5	31
84	Conversion of Waste Parasitic Insect ( <i>Hylobius abietis</i> L.) into Antioxidative, Antimicrobial and Biodegradable Films. <i>Journal of Renewable Materials</i> , 2019, 7, 215-226.	1.1	6
85	Vine shoots as new source for the manufacture of prebiotic oligosaccharides. <i>Carbohydrate Polymers</i> , 2019, 207, 34-43.	5.1	52
86	Lignin Separation and Fractionation by Ultrafiltration. , 2019, , 229-265.		20
87	Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. <i>Food Hydrocolloids</i> , 2019, 89, 20-28.	5.6	45
88	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
89	Tannins extraction: A key point for their valorization and cleaner production. <i>Journal of Cleaner Production</i> , 2019, 206, 1138-1155.	4.6	117
90	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

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91	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
92	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
93	Dataset on cellulose nanoparticles from blue agave bagasse and blue agave leaves. <i>Data in Brief</i> , 2018, 18, 150-155.	0.5	0
94	Yerba mate waste: A sustainable resource of antioxidant compounds. <i>Industrial Crops and Products</i> , 2018, 113, 398-405.	2.5	61
95	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
96	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
97	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
98	Production of cellulose nanoparticles from blue agave waste treated with environmentally friendly processes. <i>Carbohydrate Polymers</i> , 2018, 183, 294-302.	5.1	63
99	Assessment of physical properties of self-bonded composites made of cellulose nanofibrils and poly(lactic acid) microfibrils. <i>Cellulose</i> , 2018, 25, 3393-3405.	2.4	8
100	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
101	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
102	An inclusive physicochemical comparison of natural and synthetic chitin films. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1062-1070.	3.6	21
103	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
104	Formation of Palygorskite Clay from Treated Diatomite and its Application for the Removal of Heavy Metals from Aqueous Solution. <i>Water (Switzerland)</i> , 2018, 10, 1257.	1.2	19
105	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
106	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
107	Economic analysis of a biorefinery process for catechol production from lignin. <i>Journal of Cleaner Production</i> , 2018, 198, 133-142.	4.6	33
108	Development of Bioactive Paper by Capsaicin Derivative Grafting Onto Cellulose. , 2018, , 199-233.		1

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109	Energetic assessment of lignin extraction processes by simulation. <i>Computer Aided Chemical Engineering</i> , 2018, , 1535-1540.	0.3	2
110	Effect of Reaction Conditions on the Surface Modification of Cellulose Nanofibrils with Aminopropyl Triethoxysilane. <i>Coatings</i> , 2018, 8, 139.	1.2	46
111	<i>Nectandra grandiflora</i> By-Products Obtained by Alternative Extraction Methods as a Source of Phytochemicals with Antioxidant and Antifungal Properties. <i>Molecules</i> , 2018, 23, 372.	1.7	10
112	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
113	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
114	Influence of chitin nanocrystals on the dielectric behaviour and conductivity of chitosan-based bionanocomposites. <i>Composites Science and Technology</i> , 2018, 167, 323-330.	3.8	19
115	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
116	Exergoeconomic Analysis. <i>Green Energy and Technology</i> , 2018, , 895-904.	0.4	3
117	Energy and environmental profile comparison of TMT production from two different companies - a Spanish/Portuguese case study. <i>IForest</i> , 2018, 11, 155-161.	0.5	9
118	Energy Balance/Efficiency and Economic Analysis of Biofuel Production. , 2018, , 475-520.		0
119	Physicochemical characterization of leaf extracts from <i>Ocotea lancifolia</i> and its effect against wood-rot fungi. <i>International Biodeterioration and Biodegradation</i> , 2017, 117, 158-170.	1.9	13
120	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
121	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
122	Novel Porous Materials Obtained from Technical Lignins and Their Methacrylate Derivatives Copolymerized with Styrene and Divinylbenzene. <i>ChemistrySelect</i> , 2017, 2, 2257-2264.	0.7	4
123	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
124	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
125	Kraft Lignin-Based Polyols by Microwave: Optimizing Reaction Conditions. <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 343-358.	0.9	14
126	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



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127	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
128	Lignin depolymerization for phenolic monomers production by sustainable processes. <i>Journal of Energy Chemistry</i> , 2017, 26, 622-631.	7.1	76
129	Incorporation of sporopollenin enhances acid-base durability, hydrophobicity, and mechanical, antifungal and antioxidant properties of chitosan films. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 236-245.	2.9	22
130	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
131	On chemistry of $\beta$ -chitin. <i>Carbohydrate Polymers</i> , 2017, 176, 177-186.	5.1	225
132	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
133	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
134	Valorization of Vine Shoots Based on the Autohydrolysis Fractionation Optimized by a Kinetic Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 14164-14171.	1.8	16
135	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
136	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
137	From banana stem to conductive paper: A capacitive electrode and gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 459-467.	4.0	25
138	The nanocellulose biorefinery: woody versus herbaceous agricultural wastes for NCC production. <i>Cellulose</i> , 2017, 24, 693-704.	2.4	31
139	Esterified organosolv lignin as hydrophobic agent for use on wood products. <i>Progress in Organic Coatings</i> , 2017, 103, 143-151.	1.9	41
140	Catalytic Cascade Transformations of Biomass into Polyols. <i>Biofuels and Biorefineries</i> , 2017, , 187-219.	0.5	1
141	Key issues in reinforcement involving nanocellulose. , 2017, , 401-425.		6
142	The Biorefinery Concept for the Industrial Valorization of Grape Processing By-Products. , 2017, , 29-53.		21
143	The Antifungal Activity of Functionalized Chitin Nanocrystals in Poly (Lactid Acid) Films. <i>Materials</i> , 2017, 10, 546.	1.3	42
144	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

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145	Production and Emerging Applications of Bioactive Oligosaccharides from Biomass Hemicelluloses by Hydrothermal Processing. , 2017, , 253-283.		8
146	Chemical characterization of wood and extractives of fast-growing <i>Schizolobium parahyba</i> and <i>Pinus taeda</i> . Wood Material Science and Engineering, 2016, 11, 209-216.	1.1	14
147	Wood under fresh water: Effect on the chemical properties and on decay resistance. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	1
148	Functionalization of Cellulose Nanocrystals in Choline Lactate Ionic Liquid. Materials, 2016, 9, 499.	1.3	17
149	Cellulose Nanocrystal Membranes as Excipients for Drug Delivery Systems. Materials, 2016, 9, 1002.	1.3	43
150	Bromination of guaiacol and syringol using ionic liquids to obtain bromides. Journal of Chemical Technology and Biotechnology, 2016, 91, 1809-1815.	1.6	7
151	Chapter 1 Bio-Based New Materials for Packaging Applications. , 2016, , 1-18.		0
152	Assessment of suitability of vine shoots for hemicellulosic oligosaccharides production through aqueous processing. Bioresource Technology, 2016, 211, 636-644.	4.8	84
153	Willow Lignin Oxidation and Depolymerization under Low Cost Ionic Liquid. ACS Sustainable Chemistry and Engineering, 2016, 4, 5277-5288.	3.2	57
154	Lignin-ester derivatives as novel thermoplastic materials. RSC Advances, 2016, 6, 86909-86917.	1.7	37
155	Oxidative Depolymerization of Lignin Using a Novel Polyoxometalate-Protic Ionic Liquid System. ACS Sustainable Chemistry and Engineering, 2016, 4, 6031-6036.	3.2	89
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