Juan Carlos ParajÃ³

List of Publications by Year
in descending order

217	12,419	23567 58	31849 101
papers	citations	h-index	g-index

218	218	218	9747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrothermal processing of lignocellulosic materials. European Journal of Wood and Wood Products, 1999, 57, 191-202.	2.9	692
2	Advances in the manufacture, purification and applications of xylo-oligosaccharides as food additives and nutraceuticals. Process Biochemistry, 2006, 41, 1913-1923.	3.7	444
3	Functionality of oilseed protein products: A review. Food Research International, 2006, 39, 945-963.	6.2	433
4	Recovery, concentration and purification of phenolic compounds by adsorption: A review. Journal of Food Engineering, 2011, 105, 1-27.	5.2	391
5	Mild autohydrolysis: an environmentally friendly technology for xylooligosaccharide production from wood. Journal of Chemical Technology and Biotechnology, 1999, 74, 1101-1109.	3.2	334
6	Antioxidant properties of ultrafiltration-recovered soy protein fractions from industrial effluents and their hydrolysates. Process Biochemistry, 2006, 41, 447-456.	3.7	334
7	Supercritical CO2Extraction and Purification of Compounds with Antioxidant Activity. Journal of Agricultural and Food Chemistry, 2006, 54, 2441-2469.	5.2	264
8	Production of oligosaccharides by autohydrolysis of brewery's spent grain. Bioresource Technology, 2004, 91, 93-100.	9.6	238
9	Autohydrolysis of corncob: study of non-isothermal operation for xylooligosaccharide production. Journal of Food Engineering, 2002, 52, 211-218.	5.2	236
10	Biotechnological production of xylitol. Part 3: Operation in culture media made from lignocellulose hydrolysates. Bioresource Technology, 1998, 66, 25-40.	9.6	219
11	Furfural production using ionic liquids: A review. Bioresource Technology, 2016, 202, 181-191.	9.6	219
12	Biotechnological production of xylitol. Part 1: Interest of xylitol and fundamentals of its biosynthesis. Bioresource Technology, 1998, 65, 191-201.	9.6	206
13	Kinetic modelling of corncob autohydrolysis. Process Biochemistry, 2001, 36, 571-578.	3.7	179
14	Bioethanol production from hydrothermally pretreated Eucalyptus globulus wood. Bioresource Technology, 2010, 101, 8706-8712.	9.6	168
15	Fractional characterisation of jatropha, neem, moringa, trisperma, castor and candlenut seeds as potential feedstocks for biodiesel production in Cuba. Biomass and Bioenergy, 2010, 34, 533-538.	5.7	150
16	Eucalyptus globulus wood fractionation by autohydrolysis and organosolv delignification. Bioresource Technology, 2011, 102, 5896-5904.	9.6	147
17	Purification, Characterization, and Prebiotic Properties of Pectic Oligosaccharides from Orange Peel Wastes. Journal of Agricultural and Food Chemistry, 2014, 62, 9769-9782.	5.2	143
18	Study on the deacetylation of hemicelluloses during the hydrothermal processing of Eucalyptus wood. European Journal of Wood and Wood Products, 2001, 59, 53-59.	2.9	140

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19	Non-isothermal autohydrolysis of Eucalyptus wood. Wood Science and Technology, 2002, 36, 111-123.	3.2	123
20	Structural features and assessment of prebiotic activity of refined arabinoxylooligosaccharides from wheat bran. Journal of Functional Foods, 2014, 6, 438-449.	3.4	121
21	Generation of xylose solutions from Eucalyptus globulus wood by autohydrolysisâ€“posthydrolysis processes: posthydrolysis kinetics. Bioresource Technology, 2001, 79, 155-164.	9.6	120
22	Assessment on the Fermentability of Xylooligosaccharides from Rice Husks by Probiotic Bacteria. Journal of Agricultural and Food Chemistry, 2008, 56, 7482-7487.	5.2	119
23	Ultra- and nanofiltration of aqueous extracts from distilled fermented grape pomace. Journal of Food Engineering, 2009, 91, 587-593.	5.2	115
24	l-Lactic acid production from apple pomace by sequential hydrolysis and fermentation. Bioresource Technology, 2008, 99, 308-319.	9.6	114
25	Refining of autohydrolysis liquors for manufacturing xylooligosaccharides: evaluation of operational strategies. Bioresource Technology, 2005, 96, 889-896.	9.6	113
26	Antioxidant and Antimicrobial Effects of Extracts from Hydrolysates of Lignocellulosic Materials. Journal of Agricultural and Food Chemistry, 2001, 49, 2459-2464.	5.2	110
27	Potential of hydrothermal treatments in lignocellulose biorefineries. Biofuels, Bioproducts and Biorefining, 2012, 6, 219-232.	3.7	109
28	Autohydrolysis of agricultural residues: Study of reaction byproducts. Bioresource Technology, 2007, 98, 1951-1957.	9.6	105
29	Solvent extraction of hemicellulosic wood hydrolysates: a procedure useful for obtaining both detoxified fermentation media and polyphenols with antioxidant activity. Food Chemistry, 1999, 67, 147-153.	8.2	102
30	Bioconversion of posthydrolysed autohydrolysis liquors: an alternative for xylitol production from corn cobs. Enzyme and Microbial Technology, 2002, 31, 431-438.	3.2	101
31	Microwave-assisted dehydration of fructose and inulin to HMF catalyzed by niobium and zirconium phosphate catalysts. Applied Catalysis B: Environmental, 2017, 206, 364-377.	20.2	101
32	Manufacture and prebiotic potential of oligosaccharides derived from industrial solid wastes. Bioresource Technology, 2011, 102, 6112-6119.	9.6	93
33	Simultaneous Extraction and Depolymerization of Fucoidan from Sargassum muticum in Aqueous Media. Marine Drugs, 2013, 11, 4612-4627.	4.6	91
34	Interpretation of deacetylation and hemicellulose hydrolysis during hydrothermal treatments on the basis of the severity factor. Process Biochemistry, 2002, 37, 1067-1073.	3.7	90
35	Production of oligosaccharides and sugars from rye straw: A kinetic approach. Bioresource Technology, 2010, 101, 6676-6684.	9.6	89
36	Bioethanol production from autohydrolyzed Eucalyptus globulus by Simultaneous Saccharification and Fermentation operating at high solids loading. Fuel, 2012, 94, 305-312.	6.4	86

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37	Development of culture media containing spent yeast cells of Debaryomyces hansenii and corn steep liquor for lactic acid production with Lactobacillus rhamnosus. International Journal of Food Microbiology, 2004, 97, 93-98.	4.7	85
38	Processing of Rice Husk Autohydrolysis Liquors for Obtaining Food Ingredients. Journal of Agricultural and Food Chemistry, 2004, 52, 7311-7317.	5.2	82
39	Biotechnological production of xylitol. Part 2: Operation in culture media made with commercial sugars. Bioresource Technology, 1998, 65, 203-212.	9.6	79
40	Production of D(-)-lactic acid from cellulose by simultaneous saccharification and fermentation using Lactobacillus coryniformis subsp. torquens. Biotechnology Letters, 2003, 25, 1161-1164.	2.2	79
41	Production of Substituted Oligosaccharides by Hydrolytic Processing of Barley Husks. Industrial & Engineering Chemistry Research, 2004, 43, 1608-1614.	3.7	78
42	Study of formic acid as an agent for biomass fractionation. Biomass and Bioenergy, 2002, 22, 213-221.	5.7	77
43	Pectic Oligosacharides from Lemon Peel Wastes: Production, Purification, and Chemical Characterization. Journal of Agricultural and Food Chemistry, 2013, 61, 10043-10053.	5.2	73
44	Membrane-Assisted Processing of Xylooligosaccharide-Containing Liquors. Journal of Agricultural and Food Chemistry, 2006, 54, 5430-5436.	5.2	72
45	Production, Refining, Structural Characterization and Fermentability of Rice Husk Xylooligosaccharides. Journal of Agricultural and Food Chemistry, 2010, 58, 3632-3641.	5.2	72
46	Production of antioxidants by non-isothermal autohydrolysis of lignocellulosic wastes. LWT - Food Science and Technology, 2011, 44, 436-442.	5.2	71
47	Manufacture and Refining of Oligosaccharides from Industrial Solid Wastes. Industrial & Engineering Chemistry Research, 2005, 44, 614-620.	3.7	70
48	Simple and Efficient Furfural Production from Xylose in Media Containing 1-Butyl-3-Methylimidazolium Hydrogen Sulfate. Industrial & Engineering Chemistry Research, 2015, 54, 8368-8373.	3.7	69
49	Furfural production from Eucalyptus wood using an Acidic Ionic Liquid. Carbohydrate Polymers, 2016, 146, 20-25.	10.2	68
50	Hydrothermal processing of rice husks: effects of severity on product distribution. Journal of Chemical Technology and Biotechnology, 2008, 83, 965-972.	3.2	65
51	Membrane concentration of antioxidants from Castanea sativa leaves aqueous extracts. Chemical Engineering Journal, 2011, 175, 95-102.	12.7	64
52	Valorization of peanut shells: Manufacture of bioactive oligosaccharides. Carbohydrate Polymers, 2018, 183, 21-28.	10.2	64
53	Production of xylitol from concentrated wood hydrolysates by Debaryomyces hansenii: Effect of the initial cell concentration. Biotechnology Letters, 1996, 18, 593-598.	2.2	62
54	Purification of Xylitol Obtained by Fermentation of Corncob Hydrolysates. Journal of Agricultural and Food Chemistry, 2006, 54, 4430-4435.	5.2	62

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55	Kinetic Modeling of Breweryapos;s Spent Grain Autohydrolysis. Biotechnology Progress, 2008, 21, 233-243.	2.6	62
56	Manufacture and Properties of Bifidogenic Saccharides Derived from Wood Mannan. Journal of Agricultural and Food Chemistry, 2012, 60, 4296-4305.	5.2	61
57	Preparation of fermentation media from agricultural wastes and their bioconversion into xylitol. Food Biotechnology, 2000, 14, 79-97.	1.5	60
58	Lactic acid production from corn cobs by simultaneous saccharification and fermentation: a mathematical interpretation. Enzyme and Microbial Technology, 2004, 34, 627-634.	3.2	60
59	Effects ofEucalyptus globulusWood Autohydrolysis Conditions on the Reaction Products. Journal of Agricultural and Food Chemistry, 2007, 55, 9006-9013.	5.2	59
60	Utilization of Ionic Liquids in Lignocellulose Biorefineries as Agents for Separation, Derivatization, Fractionation, or Pretreatment. Journal of Agricultural and Food Chemistry, 2015, 63, 8093-8102.	5.2	59
61	Production of carotenoids byPhaffia rhodozyma growing on media made from hemicellulosic hydrolysates ofEucalyptus globulus wood. , 1998, 59, 501-506.		58
62	D-Lactic acid production from waste cardboard. Journal of Chemical Technology and Biotechnology, 2005, 80, 76-84.	3.2	58
63	Structural features and properties of soluble products derived from Eucalyptus globulus hemicelluloses. Food Chemistry, 2011, 127, 1798-1807.	8.2	58
64	Production of xylitol from raw wood hydrolysates by Debaryomyces hansenii NRRL Y-7426. Bioprocess and Biosystems Engineering, 1995, 13, 125-131.	0.5	57
65	Evaluation of ultra- and nanofiltration for refining soluble products from rice husk xylan. Bioresource Technology, 2008, 99, 5341-5351.	9.6	57
66	Assessment of the Production of Oligomeric Compounds from Sugar Beet Pulp. Industrial & Engineering Chemistry Research, 2009, 48, 4681-4687.	3.7	57
67	Strategies to improve the bioconversion of processed wood into lactic acid by simultaneous saccharification and fermentation. Journal of Chemical Technology and Biotechnology, 2001, 76, 279-284.	3.2	56
68	Recovery of lactic acid from simultaneous saccharification and fermentation media using anion exchange resins. Bioprocess and Biosystems Engineering, 2003, 25, 357-363.	3.4	55
69	Comparison of Two Posthydrolysis Processes of Brewery's Spent Grain Autohydrolysis Liquor to Produce a Pentose-Containing Culture Medium. Applied Biochemistry and Biotechnology, 2004, 115, 1041-1058.	2.9	55
70	Coproduction of Oligosaccharides and Glucose from Corncobs by Hydrothermal Processing and Enzymatic Hydrolysis. Industrial & Engineering Chemistry Research, 2008, 47, 1336-1345.	3.7	55
71	Pectic oligosaccharides production from orange peel waste by enzymatic hydrolysis. International Journal of Food Science and Technology, 2012, 47, 747-754.	2.7	52
72	Processing of Acacia dealbata in Aqueous Media: First Step of a Wood Biorefinery. Industrial & Engineering Chemistry Research, 2009, 48, 6618-6626.	3.7	51

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73	Characterization, refining and antioxidant activity of saccharides derived from hemicelluloses of wood and rice husks. Food Chemistry, 2013, 141, 495-502.	8.2	51
74	Kinetics of Catalyzed Organosolv Processing of Pine Wood. Industrial & Engineering Chemistry Research, 1995, 34, 4333-4342.	3.7	50
75	Recovery of antioxidants from industrial waste liquors using membranes and polymeric resins. Journal of Food Engineering, 2010, 96, 127-133.	5.2	48
76	Extracting value from Eucalyptus wood before kraft pulping: Effects of hemicelluloses solubilization on pulp properties. Bioresource Technology, 2011, 102, 5251-5254.	9.6	48
77	Experimental Assessment on the Enzymatic Hydrolysis of Hydrothermally Pretreated Eucalyptus globulus Wood. Industrial & Engineering Chemistry Research, 2010, 49, 4653-4663.	3.7	47
78	Recovery and Concentration of Antioxidants from Winery Wastes. Molecules, 2012, 17, 3008-3024.	3.8	47
79	Optimization of corn stover biorefinery for coproduction of oligomers and second generation bioethanol using non-isothermal autohydrolysis. Industrial Crops and Products, 2014, 54, 32-39.	5.2	47
80	Recovery of lignin and furfural from acetic acidâ€“waterâ€“HCl pulping liquors. Bioresource Technology, 2003, 90, 339-344.	9.6	46
81	Enhancing the potential of oligosaccharides from corncob autohydrolysis as prebiotic food ingredients. Industrial Crops and Products, 2006, 24, 152-159.	5.2	45
82	Fractionation of Antioxidants from Autohydrolysis of Barley Husks. Journal of Agricultural and Food Chemistry, 2008, 56, 10651-10659.	5.2	45
83	Fractionation and Enzymatic Hydrolysis of Soluble Protein Present in Waste Liquors from Soy Processing. Journal of Agricultural and Food Chemistry, 2005, 53, 7600-7608.	5.2	44
84	Antioxidant activity of extracts produced by solvent extraction of almond shells acid hydrolysates. Food Chemistry, 2007, 101, 193-201.	8.2	44
85	Production, Purification, and in Vitro Evaluation of the Prebiotic Potential of Arabinoxylooligosaccharides from Brewerâ€™s Spent Grain. Journal of Agricultural and Food Chemistry, 2015, 63, 8429-8438.	5.2	44
86	Manufacture of Xylose-Based Fermentation Media from Corncobs by Posthydrolysis of Autohydrolysis Liquors. Applied Biochemistry and Biotechnology, 2001, 95, 195-208.	2.9	43
87	Production ofl-lactic Acid and Oligomeric Compounds from Apple Pomace by Simultaneous Saccharification and Fermentation:Â A Response Surface Methodology Assessment. Journal of Agricultural and Food Chemistry, 2007, 55, 5580-5587.	5.2	43
88	Extracting value-added products before pulping: Hemicellulosic ethanol from Eucalyptus globulus wood. Holzforschung, 2012, 66, 591-599.	1.9	43
89	Sustainable conversion of Pinus pinaster wood into biofuel precursors: A biorefinery approach. Fuel, 2016, 164, 51-58.	6.4	42
90	Targeting sustainable bioeconomy: A new development strategy for Southern European countries. The Manifesto of the European Mezzogiorno. Journal of Cleaner Production, 2018, 172, 3931-3941.	9.3	42

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91	Effect of the carbon source on the carotenoid profiles of Phaffia rhodozyma strains. Journal of Industrial Microbiology and Biotechnology, 1997, 19, 263-268.	3.0	40
92	Production of lactic acid from lignocellulose in a single stage of hydrolysis and fermentation. Food Biotechnology, 1997, 11, 45-58.	1.5	39
93	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 817-822.	3.6	38
94	Charcoal adsorption of phenolic compounds present in distilled grape pomace. Journal of Food Engineering, 2008, 84, 156-163.	5.2	37
95	Manufacture of fibrous reinforcements for biocomposites and hemicellulosic oligomers from bamboo. Chemical Engineering Journal, 2011, 167, 278-287.	12.7	37
96	Emerging prebiotics obtained from lemon and sugar beet byproducts: Evaluation of their in vitro fermentability by probiotic bacteria. LWT - Food Science and Technology, 2019, 109, 17-25.	5.2	37
97	Direct Enzymatic Production of Oligosaccharide Mixtures from Sugar Beet Pulp: Experimental Evaluation and Mathematical Modeling. Journal of Agricultural and Food Chemistry, 2009, 57, 5510-5517.	5.2	36
98	Studies on the utilization of Pinus pinaster bark. Wood Science and Technology, 1987, 21, 155-166.	3.2	35
99	Production of hemicellulosic sugars from Pinus pinaster wood by sequential steps of aqueous extraction and acid hydrolysis. Wood Science and Technology, 2012, 46, 271-285.	3.2	35
100	Technologies for Eucalyptus wood processing in the scope of biorefineries: A comprehensive review. Bioresource Technology, 2020, 311, 123528.	9.6	35
101	Hydrolytic Processing of Rice Husks in Aqueous Media: A Kinetic Assessment. Collection of Czechoslovak Chemical Communications, 2002, 67, 509-530.	1.0	34
102	Carbon Material and Bioenergetic Balances of Xylitol Production from Corncobs by Debaryomyces hansenii. Biotechnology Progress, 2003, 19, 706-713.	2.6	34
103	Production of pectinâ€derived oligosaccharides from lemon peels by extraction, enzymatic hydrolysis and membrane filtration. Journal of Chemical Technology and Biotechnology, 2016, 91, 234-247.	3.2	34
104	Manufacture of furfural in biphasic media made up of an ionic liquid and a co-solvent. Industrial Crops and Products, 2015, 77, 163-166.	5.2	33
105	One-Pot Alcoholysis of the Lignocellulosic Eucalyptus nitens Biomass to n-Butyl Levulinate, a Valuable Additive for Diesel Motor Fuel. Catalysts, 2020, 10, 509.	3.5	33
106	NH4OH-Based pretreatment for improving the nutritional quality of single-cell protein (SCP). Applied Biochemistry and Biotechnology, 1995, 55, 133-149.	2.9	32
107	Optimization of antioxidants â€“ Extraction from Castanea sativa leaves. Chemical Engineering Journal, 2012, 203, 101-109.	12.7	32
108	Extraction of low-molar-mass phenolics and lipophilic compounds from Pinus pinaster wood with compressed CO2. Journal of Supercritical Fluids, 2013, 81, 193-199.	3.2	32

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109	Cogeneration of cellobiose and glucose from pretreated wood and bioconversion to lactic acid: A kinetic study. Journal of Bioscience and Bioengineering, 1999, 87, 787-792.	2.2	31
110	Evaluation of new organosolv dissolving pulps. Part II: Structure and NMMO processability of the pulps. Cellulose, 2004, 11, 85-98.	4.9	31
111	Kinetic assessment on the autohydrolysis of pectin-rich by-products. Chemical Engineering Journal, 2010, 162, 480-486.	12.7	31
112	Enzymatic saccharification of hydrogen peroxide-treated solids from hydrothermal processing of rice husks. Process Biochemistry, 2006, 41, 1244-1252.	3.7	30
113	Sustainable Production of Levulinic Acid from the Cellulosic Fraction ofPinus PinasterWood: Operation in Aqueous Media Under Microwave Irradiation. Journal of Wood Chemistry and Technology, 2015, 35, 315-324.	1.7	30
114	Furfural production from birch hemicelluloses by two-step processing: a potential technology for biorefineries. Holzforschung, 2016, 70, 901-910.	1.9	30
115	Prehydrolysis ofEucalyptus wood with dilute sulphuric acid: operation in autoclave. European Journal of Wood and Wood Products, 1994, 52, 102-108.	2.9	29
116	Formic Acid-Peroxyformic Acid Pulping ofFagus sylvatica. Journal of Wood Chemistry and Technology, 2000, 20, 395-413.	1.7	29
117	Purified Phenolics from Hydrothermal Treatments of Biomass: Ability To Protect Sunflower Bulk Oil and Model Food Emulsions from Oxidation. Journal of Agricultural and Food Chemistry, 2011, 59, 9158-9165.	5.2	29
118	Silane-treated lignocellulosic fibers as reinforcement material in polylactic acid biocomposites. Journal of Thermoplastic Composite Materials, 2012, 25, 1005-1022.	4.2	29
119	Furan manufacture from softwood hemicelluloses by aqueous fractionation and further reaction in a catalyzed ionic liquid: a biorefinery approach. Journal of Cleaner Production, 2014, 76, 200-203.	9.3	29
120	A Biorefinery Cascade Conversion of Hemicellulose-Free Eucalyptus Globulus Wood: Production of Concentrated Levulinic Acid Solutions for Î³-Valerolactone Sustainable Preparation. Catalysts, 2018, 8, 169.	3.5	29
121	Biorefinery processes for the valorization of Miscanthus polysaccharides: from constituent sugars to platform chemicals. Industrial Crops and Products, 2019, 134, 309-317.	5.2	29
122	Dilute sulphuric acid pretreatment and enzymatic hydrolysis of Moringa oleifera empty pods. Industrial Crops and Products, 2013, 44, 227-231.	5.2	28
123	Prehydrolysis ofEucalyptus wood with dilute sulphuric acid: operation at atmospheric pressure. European Journal of Wood and Wood Products, 1993, 51, 357-363.	2.9	27
124	Supplementation requirements of breweryâ€™s spent grain hydrolysate for biomass and xylitol production by Debaryomyces hansenii CCMI 941. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 646-654.	3.0	27
125	Sustainable materials in automotive applications. Plastics, Rubber and Composites, 2006, 35, 233-241.	2.0	27
126	Effects of hydrothermal processing on the cellulosic fraction of Eucalyptus globulus wood. Holzforschung, 2013, 67, 33-40.	1.9	27

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127	Study of charcoal adsorption for improving the production of Xylitol from wood hydrolysates. Bioprocess and Biosystems Engineering, 1996, 16, 39.	0.5	26
128	Aqueous pretreatment of agricultural wastes: Characterization of soluble reaction products. Bioresource Technology, 2009, 100, 5840-5845.	9.6	26
129	Fedâ€batch cultures ofphaffia rhodozymain xyloseâ€containing media made from wood hydrolysates. Food Biotechnology, 1998, 12, 43-55.	1.5	25
130	Formic Acid-Peroxyformic Acid Pulping of Aspen Wood: An Optimization Study. Holzforschung, 2000, 54, 544-552.	1.9	25
131	Carboxymethylcellulose from totally chlorine-free-bleached milox pulps. Bioresource Technology, 2003, 89, 289-296.	9.6	25
132	Simulation of an Organosolv Pulping Process:Â Generalized Material Balances and Design Calculations. Industrial & Engineering Chemistry Research, 2003, 42, 349-356.	3.7	25
133	Rheological behaviour of carboxymethylcellulose manufactured from TCF-bleached Milox pulps. Food Hydrocolloids, 2005, 19, 313-320.	10.7	25
134	Furfural production in biphasic media using an acidic ionic liquid as a catalyst. Carbohydrate Polymers, 2016, 153, 421-428.	10.2	25
135	Potential of Fructooligosaccharides and Xylooligosaccharides as Substrates To Counteract the Undesirable Effects of Several Antibiotics on Elder Fecal Microbiota: A First in Vitro Approach. Journal of Agricultural and Food Chemistry, 2018, 66, 9426-9437.	5.2	25
136	Antioxidant activity of liquors from aqueous treatments of Pinus radiata wood. Wood Science and Technology, 2005, 39, 129-139.	3.2	24
137	Purification of oligosaccharides from rice husk autohydrolysis liquors by ultra- and nano-filtration. Desalination, 2006, 199, 541-543.	8.2	24
138	Experimental evaluation of alkaline treatment as a method for enhancing the enzymatic digestibility of autohydrolysed Acacia dealbata. Journal of Chemical Technology and Biotechnology, 2009, 84, 1070-1077.	3.2	24
139	Valorization of chestnut husks by non-isothermal hydrolysis. Industrial Crops and Products, 2012, 36, 172-176.	5.2	24
140	Acidic processing of hemicellulosic saccharides from pine wood: Product distribution and kinetic modeling. Bioresource Technology, 2014, 162, 192-199.	9.6	24
141	Second-Generation Bioethanol from Residual Woody Biomass. Energy & Fuels, 2011, 25, 4803-4810.	5.1	23
142	Recovery of bioactive compounds from Pinus pinaster wood by consecutive extraction stages. Wood Science and Technology, 2014, 48, 311-323.	3.2	23
143	Fermentative production of fumaric acid from Eucalyptus globulus wood hydrolyzates. Journal of Chemical Technology and Biotechnology, 2012, 87, 1036-1040.	3.2	22
144	Manufacture of Levulinic Acid from Pine Wood Hemicelluloses: A Kinetic Assessment. Industrial & Engineering Chemistry Research, 2013, 52, 3951-3957.	3.7	22

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145	Production of nutraceutics from chestnut burs by hydrolytic treatment. Food Research International, 2014, 65, 359-366.	6.2	22
146	Prebiotic effects of pectooligosaccharides obtained from lemon peel on the microbiota from elderly donors using an in vitro continuous colon model (TIM-2). Food and Function, 2020, 11, 9984-9999.	4.6	21
147	Sustainable Production of Furfural in Biphasic Reactors Using Terpenoids and Hydrophobic Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 10266-10275.	6.7	21
148	Purification of oligosaccharides obtained from Pinus pinaster hemicelluloses by diafiltration. Desalination and Water Treatment, 2011, 27, 48-53.	1.0	20
149	Manufacture, Characterization, and Properties of Poly-(lactic acid) and its Blends with Esterified Pine Lignin. BioResources, 2016, 11, .	1.0	20
150	Preparation of wood adhesives by polycondensation of phenolic acids from pinus pinaster bark with resoles. European Journal of Wood and Wood Products, 1989, 47, 491-494.	2.9	19
151	Valorization of residual woody biomass (Olea europaea trimmings) based on aqueous fractionation. Journal of Chemical Technology and Biotechnology, 2012, 87, 87-94.	3.2	19
152	Fractionation of extracted hemicellulosic saccharides from Pinus pinaster wood by multistep membrane processing. Journal of Membrane Science, 2013, 428, 281-289.	8.2	19
153	Manufacture of Furfural from Xylan-containing Biomass by Acidic Processing of Hemicellulose-Derived Saccharides in Biphasic Media Using Microwave Heating. Journal of Wood Chemistry and Technology, 2018, 38, 198-213.	1.7	19
154	Organosolv processing of vine shoots: Fractionation and conversion of hemicellulosic sugars into platform chemicals by microwave irradiation. Bioresource Technology, 2021, 342, 125967.	9.6	19
155	Aqueous processing of Pinus pinaster wood: Kinetics of polysaccharide breakdown. Chemical Engineering Journal, 2013, 231, 380-387.	12.7	18
156	Water-Soluble Components of Pinus pinaster Wood. BioResources, 2013, 8, .	1.0	18
157	Simulation of Acetosolv Pulping ofEucalyptusWood. Journal of Wood Chemistry and Technology, 1999, 19, 225-246.	1.7	17
158	Optimization of beech wood pulping in catalyzed acetic acid media. Canadian Journal of Chemical Engineering, 2000, 78, 964-973.	1.7	17
159	Totally chlorine-free bleaching of Acetosolv pulps: a clean approach to dissolving pulp manufacture. Journal of Chemical Technology and Biotechnology, 2001, 76, 1117-1123.	3.2	17
160	Assesment on the chemical fractionation of Eucalyptus nitens wood: Characterization of the products derived from the structural components. Bioresource Technology, 2019, 281, 269-276.	9.6	17
161	TCF bleaching of hardwood pulps obtained in organic acid media: Production of viscose-grade pulps. European Journal of Wood and Wood Products, 2003, 61, 363-368.	2.9	16
162	Dissolving pulp from TCF bleached Acetosolv beech pulp. Journal of Chemical Technology and Biotechnology, 2004, 79, 1098-1104.	3.2	16

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163	Ultrafiltration of industrial waste liquors from the manufacture of soy protein concentrates. Journal of Chemical Technology and Biotechnology, 2006, 81, 1252-1258.	3.2	16
164	Fractionation of industrial solids containing barley husks in aqueous media. Food and Bioproducts Processing, 2009, 87, 208-214.	3.6	16
165	Valuable Polyphenolic Antioxidants from Wine Vinasses. Food and Bioprocess Technology, 2012, 5, 2708-2716.	4.7	16
166	Production of furans from hemicellulosic saccharides in biphasic reaction systems. Holzforschung, 2013, 67, 923-929.	1.9	16
167	Manufacture of Microcrystalline Cellulose fromEucalyptus globulusWood Using an Environmentally Friendly Biorefinery Method. Journal of Wood Chemistry and Technology, 2014, 34, 8-19.	1.7	16
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