

Ana Gutierrez

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Structural Characterization of Wheat Straw Lignin as Revealed by Analytical Pyrolysis, 2D-NMR, and Reductive Cleavage Methods. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5922-5935.	2.4	650
2	Enzymatic delignification of plant cell wall: from nature to mill. <i>Current Opinion in Biotechnology</i> , 2009, 20, 348-357.	3.3	271
3	Lignin Composition and Structure in Young versus Adult <i>Eucalyptus globulus</i> Plants. <i>Plant Physiology</i> , 2011, 155, 667-682.	2.3	263
4	Paper pulp delignification using laccase and natural mediators. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1264-1271.	1.6	228
5	Differences in the chemical structure of the lignins from sugarcane bagasse and straw. <i>Biomass and Bioenergy</i> , 2015, 81, 322-338.	2.9	227
6	Monolignol acylation and lignin structure in some nonwoody plants: A 2D NMR study. <i>Phytochemistry</i> , 2008, 69, 2831-2843.	1.4	197
7	Lignin Monomers from beyond the Canonical Monolignol Biosynthetic Pathway: Another Brick in the Wall. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4997-5012.	3.2	184
8	Occurrence of Naturally Acetylated Lignin Units. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5461-5468.	2.4	173
9	Highly Acylated (Acetylated and/or <i>p</i> -Coumaroylated) Native Lignins from Diverse Herbaceous Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 9525-9534.	2.4	172
10	Structural Characterization of the Lignin in the Cortex and Pith of Elephant Grass (<i>Pennisetum</i>)	2.4	172
11	Composition of non-woody plant lignins and cinnamic acids by Py-GC/MS, Py/TMAH and FT-IR. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007, 79, 39-46.	2.6	167
12	Efficient bleaching of non-wood high-quality paper pulp using laccase-mediator system. <i>Enzyme and Microbial Technology</i> , 2004, 35, 113-120.	1.6	164
13	Structural Characterization of the Lignin from Jute (<i>Corchorus capsularis</i>) Fibers. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 10271-10281.	2.4	163
14	Pretreatment with laccase and a phenolic mediator degrades lignin and enhances saccharification of <i>Eucalyptus</i> feedstock. <i>Biotechnology for Biofuels</i> , 2014, 7, 6.	6.2	161
15	Determining the influence of eucalypt lignin composition in paper pulp yield using Py-GC/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 110-115.	2.6	157
16	Structural characterization of milled wood lignins from different eucalypt species. <i>Holzforschung</i> , 2008, 62, 514-526.	0.9	147
17	Structural characterization of extracellular polysaccharides produced by fungi from the genus <i>Pleurotus</i> . <i>Carbohydrate Research</i> , 1996, 281, 143-154.	1.1	136
18	Isolation and structural characterization of the milled-wood lignin from <i>Paulownia fortunei</i> wood. <i>Industrial Crops and Products</i> , 2009, 30, 137-143.	2.5	135

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19	5-hydroxymethylfurfural conversion by fungal aryl-alcohol oxidase and unspecific peroxygenase. <i>FEBS Journal</i> , 2015, 282, 3218-3229.	2.2	132
20	HSQC-NMR analysis of lignin in woody (<i>Eucalyptus globulus</i> and <i>Picea abies</i>) and non-woody (<i>Agave sisalana</i>) ball-milled plant materials at the gel state. <i>EWLP</i> , Stockholm, Sweden, August 25-28, 2008. <i>Holzforschung</i> , 2009, 63, 691-698.	0.9	130
21	Demonstration of laccase-based removal of lignin from wood and non-wood plant feedstocks. <i>Bioresource Technology</i> , 2012, 119, 114-122.	4.8	130
22	Structural Characterization of Lignin Isolated from Coconut (<i>Cocos nucifera</i>) Coir Fibers. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2434-2445.	2.4	130
23	Lignin Modification during <i>Eucalyptus globulus</i> Kraft Pulping Followed by Totally Chlorine-Free Bleaching: A Two-Dimensional Nuclear Magnetic Resonance, Fourier Transform Infrared, and Pyrolysis-Gas Chromatography/Mass Spectrometry Study. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 3477-3490.	2.4	118
24	Polymerization of lignosulfonates by the laccase-HBT (1-hydroxybenzotriazole) system improves dispersibility. <i>Bioresource Technology</i> , 2010, 101, 5054-5062.	4.8	112
25	Isolation and Structural Characterization of the Milled Wood Lignin, Dioxane Lignin, and Cellulolytic Lignin Preparations from Brewer's Spent Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 603-613.	2.4	110
26	Analysis of lipophilic extractives from wood and pitch deposits by solid-phase extraction and gas chromatography. <i>Journal of Chromatography A</i> , 1998, 823, 449-455.	1.8	104
27	Selective lignin and polysaccharide removal in natural fungal decay of wood as evidenced by <i>in situ</i> structural analyses. <i>Environmental Microbiology</i> , 2011, 13, 96-107.	1.8	93
28	Structural Characterization of Guaiacyl-rich Lignins in Flax (<i>Linum usitatissimum</i>) Fibers and Shives. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11088-11099.	2.4	92
29	Removal of Lipophilic Extractives from Paper Pulp by Laccase and Lignin-Derived Phenols as Natural Mediators. <i>Environmental Science & Technology</i> , 2007, 41, 4124-4129.	4.6	91
30	Microbial and enzymatic control of pitch in the pulp and paper industry. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 1005-1018.	1.7	91
31	Analysis of the <i>Phlebiopsis gigantea</i> Genome, Transcriptome and Secretome Provides Insight into Its Pioneer Colonization Strategies of Wood. <i>PLoS Genetics</i> , 2014, 10, e1004759.	1.5	90
32	Hydroxystilbenes Are Monomers in Palm Fruit Endocarp Lignins. <i>Plant Physiology</i> , 2017, 174, 2072-2082.	2.3	90
33	Lipid and lignin composition of woods from different eucalypt species. <i>Holzforschung</i> , 2007, 61, 165-174.	0.9	83
34	Enzymatic grafting of simple phenols on flax and sisal pulp fibres using laccases. <i>Bioresource Technology</i> , 2010, 101, 8211-8216.	4.8	83
35	Oxyfunctionalization of aliphatic compounds by a recombinant peroxygenase from <i>Coprinopsis cinerea</i> . <i>Biotechnology and Bioengineering</i> , 2013, 110, 2323-2332.	1.7	77
36	Regioselective oxygenation of fatty acids, fatty alcohols and other aliphatic compounds by a basidiomycete heme-thiolate peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 2011, 514, 33-43.	1.4	76

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37	Chemical composition of lipids in brewer's spent grain: A promising source of valuable phytochemicals. <i>Journal of Cereal Science</i> , 2013, 58, 248-254.	1.8	73
38	Analysis of lignin-carbohydrate and lignin-lignin linkages after hydrolase treatment of xylan-lignin, glucomannan-lignin and glucan-lignin complexes from spruce wood. <i>Planta</i> , 2014, 239, 1079-90.	1.6	73
39	Towards industrially-feasible delignification and pitch removal by treating paper pulp with <i>Myceliophthora thermophila</i> laccase and a phenolic mediator. <i>Bioresource Technology</i> , 2011, 102, 6717-6722.	4.8	71
40	Variability in Lignin Composition and Structure in Cell Walls of Different Parts of Macaãba (<i>Acrocomia aculeata</i>) Palm Fruit. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 138-153.	2.4	70
41	Production of New Unsaturated Lipids during Wood Decay by Ligninolytic Basidiomycetes. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1344-1350.	1.4	69
42	Kinetic and chemical characterization of aldehyde oxidation by fungal aryl-alcohol oxidase. <i>Biochemical Journal</i> , 2010, 425, 585-593.	1.7	69
43	Chemical characterization of residual lignins from eucalypt paper pulps. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 116-122.	2.6	68
44	Chemical Characterization of Lignin and Lipid Fractions in Industrial Hemp Bast Fibers Used for Manufacturing High-Quality Paper Pulps. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2138-2144.	2.4	68
45	Modification of the Lignin Structure during Alkaline Delignification of Eucalyptus Wood by Kraft, Soda-AQ, and Soda-O ₂ Cooking. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15702-15712.	1.8	67
46	Characterization of organic deposits produced in the kraft pulping of Eucalyptus globulus wood. <i>Journal of Chromatography A</i> , 1998, 823, 457-465.	1.8	65
47	Chemical composition and thermal behavior of the pulp and kernel oils from macauba palm (<i>Borassus flabellifera</i>) Tj ETQq1 1 0.784314,rgBT /Overlock 10 TT	2.5	63
48	Structural modification of eucalypt pulp lignin in a totally chlorine-free bleaching sequence including a laccase-mediator stage. <i>Holzforschung</i> , 2007, 61, 634-646.	0.9	62
49	Analysis of pitch deposits produced in Kraft pulp mills using a totally chlorine free bleaching sequence. <i>Journal of Chromatography A</i> , 2000, 874, 235-245.	1.8	57
50	Chemical Composition of Abaca (<i>Musa textilis</i>) Leaf Fibers Used for Manufacturing of High Quality Paper Pulps. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 4600-4610.	2.4	57
51	Gas chromatography/mass spectrometry demonstration of steryl glycosides in eucalypt wood, Kraft pulp and process liquids. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2515-2520.	0.7	55
52	Chemical composition of lipophilic extractives from sisal (<i>Agave sisalana</i>) fibers. <i>Industrial Crops and Products</i> , 2008, 28, 81-87.	2.5	55
53	Modulating Fatty Acid Epoxidation vs Hydroxylation in a Fungal Peroxygenase. <i>ACS Catalysis</i> , 2019, 9, 6234-6242.	5.5	54
54	Ferulates and lignin structural composition in cork. <i>Holzforschung</i> , 2016, 70, 275-289.	0.9	53

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55	Delignification and Saccharification Enhancement of Sugarcane Byproducts by a Laccase-Based Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7145-7154.	3.2	53
56	Comprehensive Study of Valuable Lipophilic Phytochemicals in Wheat Bran. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1664-1673.	2.4	50
57	Enzymatic Removal of Free and Conjugated Sterols Forming Pitch Deposits in Environmentally Sound Bleaching of Eucalypt Paper Pulp. <i>Environmental Science & Technology</i> , 2006, 40, 3416-3422.	4.6	47
58	Chemical characterization of pitch deposits produced in the manufacturing of high-quality paper pulps from hemp fibers. <i>Bioresource Technology</i> , 2005, 96, 1445-1450.	4.8	44
59	Understanding Pulp Delignification by Laccase-Mediator Systems through Isolation and Characterization of Lignin-Carbohydrate Complexes. <i>Biomacromolecules</i> , 2013, 14, 3073-3080.	2.6	44
60	Lipophilic phytochemicals from sugarcane bagasse and straw. <i>Industrial Crops and Products</i> , 2015, 77, 992-1000.	2.5	44
61	Cell wall modifications triggered by the down-regulation of Coumarate 3-hydroxylase-1 in maize. <i>Plant Science</i> , 2015, 236, 272-282.	1.7	44
62	Lipophilic extractives from several nonwoody lignocellulosic crops (flax, hemp, sisal, abaca) and their fate during alkaline pulping and TCF/ECF bleaching. <i>Bioresource Technology</i> , 2010, 101, 260-267.	4.8	43
63	From Alkanes to Carboxylic Acids: Terminal Oxygenation by a Fungal Peroxygenase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12248-12251.	7.2	43
64	Hydroxystilbene Glucosides Are Incorporated into Norway Spruce Bark Lignin. <i>Plant Physiology</i> , 2019, 180, 1310-1321.	2.3	43
65	Two New Unspecific Peroxygenases from Heterologous Expression of Fungal Genes in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	43
66	Isolation of high-purity residual lignins from eucalypt paper pulps by cellulase and proteinase treatments followed by solvent extraction. <i>Enzyme and Microbial Technology</i> , 2004, 35, 173-181.	1.6	38
67	Chemical characterization of the lipophilic fraction of giant reed (<i>Arundo donax</i>) fibres used for pulp and paper manufacturing. <i>Industrial Crops and Products</i> , 2007, 26, 229-236.	2.5	38
68	Structural Characterization of Lignin from Maize (<i>Zea mays</i> L.) Fibers: Evidence for Diferuloylputrescine Incorporated into the Lignin Polymer in Maize Kernels. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4402-4413.	2.4	38
69	Lipids from Flax Fibers and Their Fate in Alkaline Pulping. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4965-4971.	2.4	37
70	Chemical Characterization of Lignin and Lipid Fractions in Kenaf Bast Fibers Used for Manufacturing High-Quality Papers. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4764-4773.	2.4	37
71	Chemical Characterization of Lignin and Lipophilic Fractions from Leaf Fibers of Curaua (<i>Ananas</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	37
72	Lignin-carbohydrate complexes from sisal (<i>Agave sisalana</i>) and abaca (<i>Musa textilis</i>): chemical composition and structural modifications during the isolation process. <i>Planta</i> , 2016, 243, 1143-1158.	1.6	37

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73	Fatty Acid Chain Shortening by a Fungal Peroxygenase. <i>Chemistry - A European Journal</i> , 2017, 23, 16985-16989.	1.7	37
74	Steroid Hydroxylation by Basidiomycete Peroxygenases: a Combined Experimental and Computational Study. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4130-4142.	1.4	36
75	In-Depth 2D NMR Study of Lignin Modification During Pretreatment of Eucalyptus Wood with Laccase and Mediators. <i>Bioenergy Research</i> , 2015, 8, 211-230.	2.2	35
76	Lipophilic Extractives from the Cortex and Pith of Elephant Grass (<i>Pennisetum purpureum</i> Schumach.) Stems. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6408-6417.	2.4	34
77	A Comprehensive Characterization of Lipids in Wheat Straw. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1904-1913.	2.4	34
78	Lignin from Tree Barks: Chemical Structure and Valorization. <i>ChemSusChem</i> , 2020, 13, 4537-4547.	3.6	33
79	Morphological characteristics and composition of lipophilic extractives and lignin in Brazilian woods from different eucalypt hybrids. <i>Industrial Crops and Products</i> , 2012, 36, 572-583.	2.5	32
80	Oxidative degradation of model lipids representative for main paper pulp lipophilic extractives by the laccaseâ€‘mediator system. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 211-222.	1.7	31
81	Acetylated heteroxylan from <i>Agave sisalana</i> and its behavior in alkaline pulping and TCF/ECF bleaching. <i>Carbohydrate Polymers</i> , 2010, 81, 517-523.	5.1	30
82	Demonstration of Lignin-to-Peroxidase Direct Electron Transfer. <i>Journal of Biological Chemistry</i> , 2015, 290, 23201-23213.	1.6	30
83	Molecular determinants for selective C ₂₅ -hydroxylation of vitamins D ₂ and D ₃ by fungal peroxygenases. <i>Catalysis Science and Technology</i> , 2016, 6, 288-295.	2.1	29
84	Fatty acid epoxidation by <i>Collariella virescens</i> peroxygenase and heme-channel variants. <i>Catalysis Science and Technology</i> , 2020, 10, 717-725.	2.1	29
85	Lipophilic extractives in process waters during manufacturing of totally chlorine free kraft pulp from eucalypt wood. <i>Chemosphere</i> , 2001, 44, 1237-1242.	4.2	28
86	Selective synthesis of the resveratrol analogue 4,4-dihydroxy- <i>trans</i> -stilbene and stilbenoids modification by fungal peroxygenases. <i>Catalysis Science and Technology</i> , 2018, 8, 2394-2401.	2.1	28
87	Flavonoids naringenin chalcone, naringenin, dihydrotricin, and tricrin are lignin monomers in papyrus. <i>Plant Physiology</i> , 2022, 188, 208-219.	2.3	28
88	Selective Epoxidation of Fatty Acids and Fatty Acid Methyl Esters by Fungal Peroxygenases. <i>ChemCatChem</i> , 2018, 10, 3964-3968.	1.8	26
89	Selective synthesis of 4-hydroxyisophorone and 4-ketoisophorone by fungal peroxygenases. <i>Catalysis Science and Technology</i> , 2019, 9, 1398-1405.	2.1	26
90	Induced lignoâ€‘suberin vascular coating and tyramineâ€‘derived hydroxycinnamic acid amides restrict <i>Ralstonia solanacearum</i> colonization in resistant tomato. <i>New Phytologist</i> , 2022, 234, 1411-1429.	3.5	26

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91	Analysis of impurities occurring in a totally chlorine free-bleached Kraft pulp. Journal of Chromatography A, 1999, 830, 227-232.	1.8	25
92	Fungal Pretreatment of Eucalyptus Wood Can Strongly Decrease the Amount of Lipophilic Extractives during Chlorine Free Kraft Pulping. Environmental Science & Technology, 2000, 34, 3705-3709.	4.6	25
93	Fatty-Acid Oxygenation by Fungal Peroxygenases: From Computational Simulations to Preparative Regio- and Stereoselective Epoxidation. ACS Catalysis, 2020, 10, 13584-13595.	5.5	25
94	Presence of 5-hydroxyguaiacyl units as native lignin constituents in plants as seen by Py-GC/MS. Journal of Analytical and Applied Pyrolysis, 2007, 79, 33-38.	2.6	24
95	Deciphering the Unique Structure and Acylation Pattern of <i>Posidonia oceanica</i> Lignin. ACS Sustainable Chemistry and Engineering, 2020, 8, 12521-12533.	3.2	24
96	Regioselective Hydroxylation in the Production of 25-Hydroxyvitamin D ₃ by <i>Coprinopsis cinerea</i> Peroxygenase. ChemCatChem, 2015, 7, 283-290.	1.8	23
97	Identification of intact long-chain hydroxycinnamate esters in leaf fibers of abaca (<i>Musa textilis</i>) using gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2691-2696.	0.7	22
98	Structural insights on laccase biografting of ferulic acid onto lignocellulosic fibers. Biochemical Engineering Journal, 2014, 86, 16-23.	1.8	20
99	Delignification of eucalypt kraft pulp with manganese-substituted polyoxometalate assisted by fungal versatile peroxidase. Bioresource Technology, 2010, 101, 5935-5940.	4.8	19
100	Enzymatic degradation of Elephant grass (<i>Pennisetum purpureum</i>) stems: Influence of the pith and bark in the total hydrolysis. Bioresource Technology, 2014, 167, 469-475.	4.8	19
101	Influence of operation conditions on laccase-mediator removal of sterols from eucalypt pulp. Process Biochemistry, 2009, 44, 1032-1038.	1.8	18
102	Structural characteristics of lignin in pruning residues of olive tree (<i>Olea europaea</i> L.). Holzforschung, 2018, 73, 25-34.	0.9	18
103	Identification and functional analysis of the cyclopropane fatty acid synthase of <i>Brucella abortus</i> . Microbiology (United Kingdom), 2012, 158, 1037-1044.	0.7	17
104	Origin of the acetylated structures present in white birch (<i>Betula pendula</i> Roth) milled wood lignin. Wood Science and Technology, 2012, 46, 459-471.	1.4	17
105	Comparative Recalcitrance and Extractability of Cell Wall Polysaccharides from Cereal (Wheat, Rye, Barley) Treated with 100% Organic Solvents. Journal of Agricultural and Food Chemistry, 2014, 62, 7192-7204.	3.2	17
106	Phenylphenalenone Type Compounds from the Leaf Fibers of Abaca (<i>Musa textilis</i>). Journal of Agricultural and Food Chemistry, 2006, 54, 8744-8748.	2.4	16
107	Sterols and lignin in <i>Eucalyptus globulus</i> Labill. wood: Spatial distribution and fungal removal as revealed by microscopy and chemical analyses. Holzforschung, 2009, 63, 362-370.	0.9	16
108	Search, engineering, and applications of new oxidative biocatalysts. Biofuels, Bioproducts and Biorefining, 2014, 8, 819-835.	1.9	16

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109	Chemical composition of lipophilic extractives from jute (<i>Corchorus capsularis</i>) fibers used for manufacturing of high-quality paper pulps. <i>Industrial Crops and Products</i> , 2009, 30, 241-249.	2.5	15
110	From Alkanes to Carboxylic Acids: Terminal Oxygenation by a Fungal Peroxygenase. <i>Angewandte Chemie</i> , 2016, 128, 12436-12439.	1.6	14
111	Chemical composition of lignin and lipids from tagasaste (<i>Chamaecytisus proliferus</i> spp. <i>palmensis</i>). <i>Industrial Crops and Products</i> , 2008, 28, 29-36.	2.5	13
112	Structural Modifications of Residual Lignins from Sisal and Flax Pulps during Soda-AQ Pulping and TCF/ECF Bleaching. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4695-4703.	1.8	13
113	Isolation and Structural Characterization of Lignin from Cardoon (<i>Cynara cardunculus</i> L.) Stalks. <i>Bioenergy Research</i> , 2015, 8, 1946-1955.	2.2	13
114	A commercial laccase-mediator system to delignify and improve saccharification of the fast-growing <i>Paulownia fortunei</i> (Seem.) Hemsl.. <i>Holzforschung</i> , 2018, 73, 45-54.	0.9	13
115	Selective Oxygenation of Ionones and Damascones by Fungal Peroxygenases. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5375-5383.	2.4	13
116	Unconventional lignin monomers—Extension of the lignin paradigm. <i>Advances in Botanical Research</i> , 2022, , 1-39.	0.5	13
117	Hydrolysis of sterol esters by an esterase from <i>Ophiostoma piceae</i> : application to pitch control in pulping of <i>Eucalyptus globulus</i> wood. <i>International Journal of Biotechnology</i> , 2004, 6, 367.	1.2	12
118	Effects of Fe deficiency on the protein profiles and lignin composition of stem tissues from <i>Medicago truncatula</i> in absence or presence of calcium carbonate. <i>Journal of Proteomics</i> , 2016, 140, 1-12.	1.2	12
119	Differences in the content, composition and structure of the lignins from rind and pith of papyrus (<i>Cyperus papyrus</i> L.) culms. <i>Industrial Crops and Products</i> , 2021, 174, 114226.	2.5	12
120	Identification of a novel series of alkylitaconic acids in wood cultures of <i>Ceriporiopsis subvermisporaby</i> gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 62-68.	0.7	10
121	Exploring the potential of fungal manganese-containing lipoxygenase for pitch control and pulp delignification. <i>Bioresource Technology</i> , 2011, 102, 1338-1343.	4.8	7
122	<i>Pseudochrobactrum algeriensis</i> sp. nov., isolated from lymph nodes of Algerian cattle. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	0.8	6
123	Papyrus production revisited: differences between ancient and modern production modes. <i>Cellulose</i> , 2022, 29, 4931-4950.	2.4	6
124	A comprehensive study of different types of speck impurities present in bleached eucalypt kraft pulps using PY-GC/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 68-69, 251-268.	2.6	5