List of Publications by Year in descending order

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LODCE RENCODET

| #  | Article                                                                                                                                                                                                                      | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Flavonoids naringenin chalcone, naringenin, dihydrotricin, and tricin are lignin monomers in papyrus.<br>Plant Physiology, 2022, 188, 208-219.                                                                               | 2.3 | 28        |
| 2  | Density functional theory study on the coupling and reactions of diferuloylputrescine as a lignin monomer. Phytochemistry, 2022, 197, 113122.                                                                                | 1.4 | 0         |
| 3  | Unconventional lignin monomers—Extension of the lignin paradigm. Advances in Botanical Research,<br>2022, , 1-39.                                                                                                            | 0.5 | 13        |
| 4  | Induced lignoâ€suberin vascular coating and tyramineâ€derived hydroxycinnamic acid amides restrict<br><i>Ralstonia solanacearum</i> colonization in resistant tomato. New Phytologist, 2022, 234, 1411-1429.                 | 3.5 | 26        |
| 5  | Chemical Composition of Lipophilic Compounds From Rice (Oryza sativa) Straw: An Attractive<br>Feedstock for Obtaining Valuable Phytochemicals. Frontiers in Plant Science, 2022, 13, 868319.                                 | 1.7 | 8         |
| 6  | Papyrus production revisited: differences between ancient and modern production modes. Cellulose, 2022, 29, 4931-4950.                                                                                                       | 2.4 | 6         |
| 7  | Cotton farming sustainability: Formation of trans-isoeugenol/ bio-aromatics,<br>5-chloromethylfurfural, C13–C17 liquid hydrocarbons & fertilizer from cotton gin trash. Journal<br>of Cleaner Production, 2022, 363, 132404. | 4.6 | 2         |
| 8  | Structural Characteristics of the Guaiacyl-Rich Lignins From Rice (Oryza sativa L.) Husks and Straw.<br>Frontiers in Plant Science, 2021, 12, 640475.                                                                        | 1.7 | 28        |
| 9  | Radical Coupling Reactions of Hydroxystilbene Glucosides and Coniferyl Alcohol: A Density<br>Functional Theory Study. Frontiers in Plant Science, 2021, 12, 642848.                                                          | 1.7 | 8         |
| 10 | A Multiomic Approach to Understand How Pleurotus eryngii Transforms Non-Woody Lignocellulosic<br>Material. Journal of Fungi (Basel, Switzerland), 2021, 7, 426.                                                              | 1.5 | 9         |
| 11 | Lignin Quantification of Papyri by TGA—Not a Good Idea. Molecules, 2021, 26, 4384.                                                                                                                                           | 1.7 | 10        |
| 12 | Agaricales Mushroom Lignin Peroxidase: From Structure–Function to Degradative Capabilities.<br>Antioxidants, 2021, 10, 1446.                                                                                                 | 2.2 | 12        |
| 13 | New Insights on Structures Forming the Lignin-Like Fractions of Ancestral Plants. Frontiers in Plant<br>Science, 2021, 12, 740923.                                                                                           | 1.7 | 17        |
| 14 | Differences in the content, composition and structure of the lignins from rind and pith of papyrus<br>(Cyperus papyrus L.) culms. Industrial Crops and Products, 2021, 174, 114226.                                          | 2.5 | 12        |
| 15 | Coupling and Reactions of Lignols and New Lignin Monomers: A Density Functional Theory Study. ACS<br>Sustainable Chemistry and Engineering, 2020, 8, 11033-11045.                                                            | 3.2 | 12        |
| 16 | Deciphering the Unique Structure and Acylation Pattern of <i>Posidonia oceanica</i> Lignin. ACS<br>Sustainable Chemistry and Engineering, 2020, 8, 12521-12533.                                                              | 3.2 | 24        |
| 17 | Differentiation of Tracheary Elements in Sugarcane Suspension Cells Involves Changes in Secondary<br>Wall Deposition and Extensive Transcriptional Reprogramming. Frontiers in Plant Science, 2020, 11,<br>617020.           | 1.7 | 10        |
| 18 | Lignin from Tree Barks: Chemical Structure and Valorization. ChemSusChem, 2020, 13, 4537-4547.                                                                                                                               | 3.6 | 33        |

| #  | Article                                                                                                                                                                                                                                     | IF                | CITATIONS          |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| 19 | One-Pot Processing of <i>Eucalyptus globulus</i> Wood under Microwave Heating: Simultaneous<br>Delignification and Polysaccharide Conversion into Platform Chemicals. ACS Sustainable Chemistry<br>and Engineering, 2020, 8, 10115-10124.   | 3.2               | 8                  |
| 20 | Lignin Monomers from beyond the Canonical Monolignol Biosynthetic Pathway: Another Brick in the<br>Wall. ACS Sustainable Chemistry and Engineering, 2020, 8, 4997-5012.                                                                     | 3.2               | 184                |
| 21 | Lipophilic compounds from maize fiber and rice husk residues – An abundant and inexpensive source of valuable phytochemicals. Industrial Crops and Products, 2020, 146, 112203.                                                             | 2.5               | 11                 |
| 22 | Lignin degradation and detoxification of eucalyptus wastes by on-site manufacturing fungal enzymes to enhance second-generation ethanol yield. Applied Energy, 2020, 262, 114493.                                                           | 5.1               | 59                 |
| 23 | Comparative Recalcitrance and Extractability of Cell Wall Polysaccharides from Cereal (Wheat, Rye,) Tj ETQq1<br>7192-7204.                                                                                                                  | 1 0.784314<br>3.2 | rgBT /Overlo<br>17 |
| 24 | Cell wall remodeling under salt stress: Insights into changes in polysaccharides, feruloylation,<br>lignification, and phenolic metabolism in maize. Plant, Cell and Environment, 2020, 43, 2172-2191.                                      | 2.8               | 79                 |
| 25 | Peroxidase evolution in white-rot fungi follows wood lignin evolution in plants. Proceedings of the<br>National Academy of Sciences of the United States of America, 2019, 116, 17900-17905.                                                | 3.3               | 47                 |
| 26 | Radical coupling reactions of piceatannol and monolignols: A density functional theory study.<br>Phytochemistry, 2019, 164, 12-23.                                                                                                          | 1.4               | 17                 |
| 27 | Hydroxystilbene Glucosides Are Incorporated into Norway Spruce Bark Lignin. Plant Physiology, 2019,<br>180, 1310-1321.                                                                                                                      | 2.3               | 43                 |
| 28 | Structural Characterization of Lignin from Maize (Zea mays L.) Fibers: Evidence for<br>Diferuloylputrescine Incorporated into the Lignin Polymer in Maize Kernels. Journal of Agricultural<br>and Food Chemistry, 2018, 66, 4402-4413.      | 2.4               | 38                 |
| 29 | Catalytic Conversion of Organosolv Lignins to Phenolic Monomers in Different Organic Solvents and<br>Effect of Operating Conditions on Yield with Methyl Isobutyl Ketone. ACS Sustainable Chemistry and<br>Engineering, 2018, 6, 3010-3018. | 3.2               | 32                 |
| 30 | Variability in Lignin Composition and Structure in Cell Walls of Different Parts of Macaúba<br>( <i>Acrocomia aculeata</i> ) Palm Fruit. Journal of Agricultural and Food Chemistry, 2018, 66, 138-153.                                     | 2.4               | 70                 |
| 31 | Structural characteristics of lignin in pruning residues of olive tree ( <i>Olea europaea</i> L.).<br>Holzforschung, 2018, 73, 25-34.                                                                                                       | 0.9               | 18                 |
| 32 | A commercial laccase-mediator system to delignify and improve saccharification of the fast-growing <i>Paulownia fortunei</i> (Seem.) Hemsl Holzforschung, 2018, 73, 45-54.                                                                  | 0.9               | 13                 |
| 33 | Elucidating Tricin-Lignin Structures: Assigning Correlations in HSQC Spectra of Monocot Lignins.<br>Polymers, 2018, 10, 916.                                                                                                                | 2.0               | 30                 |
| 34 | Fate of p-hydroxycinnamates and structural characteristics of residual hemicelluloses and lignin<br>during alkaline-sulfite chemithermomechanical pretreatment of sugarcane bagasse. Biotechnology<br>for Biofuels, 2018, 11, 153.          | 6.2               | 27                 |
| 35 | Radically different lignin composition in Posidonia species may link to differences in organic carbon sequestration capacity. Organic Geochemistry, 2018, 124, 247-256.                                                                     | 0.9               | 31                 |
| 36 | Changes In Cell Wall Polymers And Degradability In Maize Mutants Lacking 3'- And 5'- <i>O</i><br>-Methyltransferases Involved In Lignin Biosynthesis. Plant and Cell Physiology, 2017, 58, pcw198.                                          | 1.5               | 32                 |

| #  | Article                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Structural Characteristics of Bagasse Furfural Residue and Its Lignin Component. An NMR, Py-GC/MS, and FTIR Study. ACS Sustainable Chemistry and Engineering, 2017, 5, 4846-4855.                                                    | 3.2 | 87        |
| 38 | Oxidoreductases on their way to industrial biotransformations. Biotechnology Advances, 2017, 35, 815-831.                                                                                                                            | 6.0 | 205       |
| 39 | Hydroxystilbenes Are Monomers in Palm Fruit Endocarp Lignins. Plant Physiology, 2017, 174, 2072-2082.                                                                                                                                | 2.3 | 90        |
| 40 | Alkaline Pretreatment Severity Leads to Different Lignin Applications in Sugar Cane Biorefineries. ACS<br>Sustainable Chemistry and Engineering, 2017, 5, 5702-5712.                                                                 | 3.2 | 51        |
| 41 | Lignin Films from Spruce, Eucalyptus, and Wheat Straw Studied with Electroacoustic and Optical<br>Sensors: Effect of Composition and Electrostatic Screening on Enzyme Binding. Biomacromolecules,<br>2017, 18, 1322-1332.           | 2.6 | 33        |
| 42 | Modification of Monolignol Biosynthetic Pathway in Jute: Different Gene, Different Consequence.<br>Scientific Reports, 2017, 7, 39984.                                                                                               | 1.6 | 29        |
| 43 | Characterization and Elimination of Undesirable Protein Residues in Plant Cell Wall Materials for<br>Enhancing Lignin Analysis by Solution-State Nuclear Magnetic Resonance Spectroscopy.<br>Biomacromolecules, 2017, 18, 4184-4195. | 2.6 | 94        |
| 44 | Chemical changes and increased degradability of wheat straw and oak wood chips treated with the<br>white rot fungi Ceriporiopsis subvermispora and Lentinula edodes. Biomass and Bioenergy, 2017, 105,<br>381-391.                   | 2.9 | 40        |
| 45 | Delignification and Saccharification Enhancement of Sugarcane Byproducts by a Laccase-Based<br>Pretreatment. ACS Sustainable Chemistry and Engineering, 2017, 5, 7145-7154.                                                          | 3.2 | 53        |
| 46 | Xylan extraction from pretreated sugarcane bagasse using alkaline and enzymatic approaches.<br>Biotechnology for Biofuels, 2017, 10, 296.                                                                                            | 6.2 | 65        |
| 47 | Lignin Composition and Structure Differs between Xylem, Phloem and Phellem in Quercus suber L<br>Frontiers in Plant Science, 2016, 7, 1612.                                                                                          | 1.7 | 104       |
| 48 | Maize Tricin-Oligolignol Metabolites and their Implications for Monocot Lignification. Plant<br>Physiology, 2016, 171, pp.02012.2016.                                                                                                | 2.3 | 55        |
| 49 | A secretomic view of woody and nonwoody lignocellulose degradation by Pleurotus ostreatus.<br>Biotechnology for Biofuels, 2016, 9, 49.                                                                                               | 6.2 | 85        |
| 50 | Effects of Fe deficiency on the protein profiles and lignin composition of stem tissues from Medicago truncatula in absence or presence of calcium carbonate. Journal of Proteomics, 2016, 140, 1-12.                                | 1.2 | 12        |
| 51 | Lignin–carbohydrate complexes from sisal (Agave sisalana) and abaca (Musa textilis): chemical<br>composition and structural modifications during the isolation process. Planta, 2016, 243, 1143-1158.                                | 1.6 | 37        |
| 52 | Effects of an alkali-acid purification process on the characteristics of eucalyptus lignin fractionated from a MIBK-based organosolv process. RSC Advances, 2016, 6, 92638-92647.                                                    | 1.7 | 15        |
| 53 | Tricinâ€lignins: occurrence and quantitation of tricin in relation to phylogeny. Plant Journal, 2016, 88,<br>1046-1057.                                                                                                              | 2.8 | 118       |
| 54 | Structural Changes of Sugar Cane Bagasse Lignin during Cellulosic Ethanol Production Process. ACS<br>Sustainable Chemistry and Engineering, 2016, 4, 5483-5494.                                                                      | 3.2 | 36        |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Rapid Py-GC/MS assessment of the structural alterations of lignins in genetically modified plants.<br>Journal of Analytical and Applied Pyrolysis, 2016, 121, 155-164.                                                                                               | 2.6 | 18        |
| 56 | Role of surface tryptophan for peroxidase oxidation of nonphenolic lignin. Biotechnology for<br>Biofuels, 2016, 9, 198.                                                                                                                                              | 6.2 | 37        |
| 57 | Selective ligninolysis of wheat straw and wood chips by the white-rot fungus Lentinula edodes and<br>its influence on in vitro rumen degradability. Journal of Animal Science and Biotechnology, 2016, 7, 55.                                                        | 2.1 | 28        |
| 58 | Laccase-Mediator Pretreatment of Wheat Straw Degrades Lignin and Improves Saccharification.<br>Bioenergy Research, 2016, 9, 917-930.                                                                                                                                 | 2.2 | 52        |
| 59 | Ferulates and lignin structural composition in cork. Holzforschung, 2016, 70, 275-289.                                                                                                                                                                               | 0.9 | 53        |
| 60 | Analysis of a Modern Hybrid and an Ancient Sugarcane Implicates a Complex Interplay of Factors in<br>Affecting Recalcitrance to Cellulosic Ethanol Production. PLoS ONE, 2015, 10, e0134964.                                                                         | 1.1 | 12        |
| 61 | STRUCTURAL CHARACTERISTICS AND DISTRIBUTION OF LIGNIN IN EUCALYPTUS GLOBULUS PULPS OBTAINED<br>BY A COMBINED AUTOHYDROLSIS/ALKALINE EXTRACTION PROCESS FOR ENZYMATIC SACCHARIFICATION OF<br>CELLULOSE. Journal of the Chilean Chemical Society, 2015, 60, 2954-2960. | 0.5 | 12        |
| 62 | Cell wall modifications triggered by the down-regulation of Coumarate 3-hydroxylase-1 in maize.<br>Plant Science, 2015, 236, 272-282.                                                                                                                                | 1.7 | 44        |
| 63 | Isolation and Structural Characterization of the Milled Wood Lignin, Dioxane Lignin, and<br>Cellulolytic Lignin Preparations from Brewer's Spent Grain. Journal of Agricultural and Food<br>Chemistry, 2015, 63, 603-613.                                            | 2.4 | 110       |
| 64 | Isolation and Structural Characterization of Lignin from Cardoon (Cynara cardunculus L.) Stalks.<br>Bioenergy Research, 2015, 8, 1946-1955.                                                                                                                          | 2.2 | 13        |
| 65 | Tricin, a Flavonoid Monomer in Monocot Lignification Â. Plant Physiology, 2015, 167, 1284-1295.                                                                                                                                                                      | 2.3 | 283       |
| 66 | Differences in the chemical structure of the lignins from sugarcane bagasse and straw. Biomass and Bioenergy, 2015, 81, 322-338.                                                                                                                                     | 2.9 | 227       |
| 67 | Demonstration of Lignin-to-Peroxidase Direct Electron Transfer. Journal of Biological Chemistry, 2015, 290, 23201-23213.                                                                                                                                             | 1.6 | 30        |
| 68 | In-Depth 2D NMR Study of Lignin Modification During Pretreatment of Eucalyptus Wood with Laccase<br>and Mediators. Bioenergy Research, 2015, 8, 211-230.                                                                                                             | 2.2 | 35        |
| 69 | Analysis of the Phlebiopsis gigantea Genome, Transcriptome and Secretome Provides Insight into Its<br>Pioneer Colonization Strategies of Wood. PLoS Genetics, 2014, 10, e1004759.                                                                                    | 1.5 | 90        |
| 70 | Structural insights on laccase biografting of ferulic acid onto lignocellulosic fibers. Biochemical<br>Engineering Journal, 2014, 86, 16-23.                                                                                                                         | 1.8 | 20        |
| 71 | Analysis of lignin–carbohydrate and lignin–lignin linkages after hydrolase treatment of xylan–lignin,<br>glucomannan–lignin and glucan–lignin complexes from spruce wood. Planta, 2014, 239, 1079-90.                                                                | 1.6 | 73        |
| 72 | Monolignol Ferulate Transferase Introduces Chemically Labile Linkages into the Lignin Backbone.<br>Science, 2014, 344, 90-93.                                                                                                                                        | 6.0 | 337       |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|
| 73 | Accumulation of <i>N</i> -Acetylglucosamine Oligomers in the Plant Cell Wall Affects Plant<br>Architecture in a Dose-Dependent and Conditional Manner  Â. Plant Physiology, 2014, 165, 290-308.                       | 2.3              | 25              |
| 74 | Pretreatment with laccase and a phenolic mediator degrades lignin and enhances saccharification of Eucalyptus feedstock. Biotechnology for Biofuels, 2014, 7, 6.                                                      | 6.2              | 161             |
| 75 | Understanding Pulp Delignification by Laccase–Mediator Systems through Isolation and<br>Characterization of Lignin–Carbohydrate Complexes. Biomacromolecules, 2013, 14, 3073-3080.                                    | 2.6              | 44              |
| 76 | Structural Characterization of Lignin Isolated from Coconut ( <i>Cocos nucifera</i> ) Coir Fibers.<br>Journal of Agricultural and Food Chemistry, 2013, 61, 2434-2445.                                                | 2.4              | 130             |
| 77 | Modification of the Lignin Structure during Alkaline Delignification of Eucalyptus Wood by Kraft,<br>Soda-AQ, and Soda-O <sub>2</sub> Cooking. Industrial & Engineering Chemistry Research, 2013, 52,<br>15702-15712. | 1.8              | 67              |
| 78 | Structural Modifications of Residual Lignins from Sisal and Flax Pulps during Soda-AQ Pulping and TCF/ECF Bleaching. Industrial & Engineering Chemistry Research, 2013, 52, 4695-4703.                                | 1.8              | 13              |
| 79 | An Engineered Monolignol 4- <i>O</i> -Methyltransferase Depresses Lignin Biosynthesis and Confers<br>Novel Metabolic Capability in <i>Arabidopsis</i> . Plant Cell, 2012, 24, 3135-3152.                              | 3.1              | 92              |
| 80 | Demonstration of laccase-based removal of lignin from wood and non-wood plant feedstocks.<br>Bioresource Technology, 2012, 119, 114-122.                                                                              | 4.8              | 130             |
| 81 | Structural Characterization of Wheat Straw Lignin as Revealed by Analytical Pyrolysis, 2D-NMR, and Reductive Cleavage Methods. Journal of Agricultural and Food Chemistry, 2012, 60, 5922-5935.                       | 2.4              | 650             |
| 82 | Structural Characterization of the Lignin in the Cortex and Pith of Elephant Grass ( <i>Pennisetum) Tj ETQq0 0 C</i>                                                                                                  | rgBT /Ove<br>2.4 | erlock 10 Tf 50 |
| 83 | Morphological characteristics and composition of lipophilic extractives and lignin in Brazilian woods from different eucalypt hybrids. Industrial Crops and Products, 2012, 36, 572-583.                              | 2.5              | 32              |
| 84 | Origin of the acetylated structures present in white birch (Betula pendula Roth) milled wood lignin.<br>Wood Science and Technology, 2012, 46, 459-471.                                                               | 1.4              | 17              |
| 85 | Structural Characterization of Guaiacyl-rich Lignins in Flax (Linum usitatissimum) Fibers and Shives.<br>Journal of Agricultural and Food Chemistry, 2011, 59, 11088-11099.                                           | 2.4              | 92              |
| 86 | Selective lignin and polysaccharide removal in natural fungal decay of wood as evidenced by <i>in situ</i> structural analyses. Environmental Microbiology, 2011, 13, 96-107.                                         | 1.8              | 93              |
| 87 | Towards industrially-feasible delignification and pitch removal by treating paper pulp with<br>Myceliophthora thermophila laccase and a phenolic mediator. Bioresource Technology, 2011, 102,<br>6717-6722.           | 4.8              | 71              |
| 88 | Lignin Composition and Structure in Young versus Adult <i>Eucalyptus globulus</i> Plants. Plant<br>Physiology, 2011, 155, 667-682.                                                                                    | 2.3              | 263             |
| 89 | Polymerization of lignosulfonates by the laccase-HBT (1-hydroxybenzotriazole) system improves dispersibility. Bioresource Technology, 2010, 101, 5054-5062.                                                           | 4.8              | 112             |
| 90 | Engineering traditional monolignols out of lignin by concomitant up-regulation of F5H1 and down-regulation of COMT in Arabidopsis. Plant Journal, 2010, 64, 885-897.                                                  | 2.8              | 114             |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Kinetic and chemical characterization of aldehyde oxidation by fungal aryl-alcohol oxidase.<br>Biochemical Journal, 2010, 425, 585-593.                                                                                                                                                                                  | 1.7 | 69        |
| 92  | Evaluation of the Chemical Composition of Different Non-Woody Plant Fibers Used for Pulp and Paper<br>Manufacturing. Open Agriculture Journal, 2010, 4, 93-101.                                                                                                                                                          | 0.3 | 75        |
| 93  | HSQC-NMR analysis of lignin in woody ( <i>Eucalyptus globulus</i> and <i>Picea abies</i> ) and<br>non-woody ( <i>Agave sisalana</i> ) ball-milled plant materials at the gel state 10 <sup>th</sup> EWLP,<br>Stockholm, Sweden, August 25–28, 2008. Holzforschung, 2009, 63, 691-698.                                    | 0.9 | 130       |
| 94  | Isolation and structural characterization of the milled-wood lignin from Paulownia fortunei wood.<br>Industrial Crops and Products, 2009, 30, 137-143.                                                                                                                                                                   | 2.5 | 135       |
| 95  | Structural Characterization of the Lignin from Jute ( <i>Corchorus capsularis</i> ) Fibers. Journal of Agricultural and Food Chemistry, 2009, 57, 10271-10281.                                                                                                                                                           | 2.4 | 163       |
| 96  | Oxidative degradation of model lipids representative for main paper pulp lipophilic extractives by the laccase–mediator system. Applied Microbiology and Biotechnology, 2008, 80, 211-222.                                                                                                                               | 1.7 | 31        |
| 97  | Monolignol acylation and lignin structure in some nonwoody plants: A 2D NMR study.<br>Phytochemistry, 2008, 69, 2831-2843.                                                                                                                                                                                               | 1.4 | 197       |
| 98  | Highly Acylated (Acetylated and/or <i>p</i> -Coumaroylated) Native Lignins from Diverse Herbaceous<br>Plants. Journal of Agricultural and Food Chemistry, 2008, 56, 9525-9534.                                                                                                                                           | 2.4 | 172       |
| 99  | Structural characterization of milled wood lignins from different eucalypt species. Holzforschung, 2008, 62, 514-526.                                                                                                                                                                                                    | 0.9 | 147       |
| 100 | Structural modification of eucalypt pulp lignin in a totally chlorine-free bleaching sequence including a laccase-mediator stage. Holzforschung, 2007, 61, 634-646.                                                                                                                                                      | 0.9 | 62        |
| 101 | Lipid and lignin composition of woods from different eucalypt species. Holzforschung, 2007, 61, 165-174.                                                                                                                                                                                                                 | 0.9 | 83        |
| 102 | Removal of Lipophilic Extractives from Paper Pulp by Laccase and Lignin-Derived Phenols as Natural<br>Mediators. Environmental Science & Technology, 2007, 41, 4124-4129.                                                                                                                                                | 4.6 | 91        |
| 103 | Lignin Modification duringEucalyptus globulusKraft Pulping Followed by Totally Chlorine-Free<br>Bleaching:Â A Two-Dimensional Nuclear Magnetic Resonance, Fourier Transform Infrared, and<br>Pyrolysisâ 'Gas Chromatography/Mass Spectrometry Study. Journal of Agricultural and Food<br>Chemistry. 2007. 55. 3477-3490. | 2.4 | 118       |
| 104 | Occurrence of Naturally Acetylated Lignin Units. Journal of Agricultural and Food Chemistry, 2007, 55, 5461-5468.                                                                                                                                                                                                        | 2.4 | 173       |
| 105 | Enzymatic Removal of Free and Conjugated Sterols Forming Pitch Deposits in Environmentally Sound<br>Bleaching of Eucalypt Paper Pulp. Environmental Science & Technology, 2006, 40, 3416-3422.                                                                                                                           | 4.6 | 47        |
| 106 | Main lipophilic extractives in different paper pulp types can be removed using the laccase–mediator<br>system. Applied Microbiology and Biotechnology, 2006, 72, 845-851.                                                                                                                                                | 1.7 | 54        |
| 107 | Using Undigested Biomass Solid Leftovers from the Saccharification Process to Integrate<br>Lignosulfonate Production in a Sugarcane Bagasse Biorefinery. ACS Sustainable Chemistry and<br>Engineering, 0, , .                                                                                                            | 3.2 | 4         |