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## Lignin biosynthesis

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2270	Lignin biosynthesis. <i>Annual Review of Plant Biology</i> , <b>2003</b> , 54, 519-46	30.7	3143
2269	Lignins and lignocellulosics: a better control of synthesis for new and improved uses. <b>2003</b> , 8, 576-81		254
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2265	Genome-wide characterization of the lignification toolbox in Arabidopsis. <b>2003</b> , 133, 1051-71		564
2264	Functional genomics of wood quality and properties. <b>2003</b> , 1, 263-78		3
2263	. <b>2004</b> ,		3
2262	Phenolic profiling of caffeic acid O-methyltransferase-deficient poplar reveals novel benzodioxane oligolignols. <b>2004</b> , 136, 4023-36		81
2261	Comparative genomics of rice and Arabidopsis. Analysis of 727 cytochrome P450 genes and pseudogenes from a monocot and a dicot. <b>2004</b> , 135, 756-72		347
2260	Condensed lignins are synthesized in poplar leaves exposed to ozone. <b>2004</b> , 134, 586-94		101
2259	Profiling of oligolignols reveals monolignol coupling conditions in lignifying poplar xylem. <b>2004</b> , 136, 3537-49		160
2258	A weed for wood? Arabidopsis as a genetic model for xylem development. <b>2004</b> , 135, 653-9		88
2257	Molecular phenotyping of the pal1 and pal2 mutants of Arabidopsis thaliana reveals far-reaching consequences on phenylpropanoid, amino acid, and carbohydrate metabolism. <b>2004</b> , 16, 2749-71		305
2256	Silencing of hydroxycinnamoyl-coenzyme A shikimate/quininate hydroxycinnamoyltransferase affects phenylpropanoid biosynthesis. <b>2004</b> , 16, 1446-65		343

2255	The genetic control of lignin deposition during plant growth and development. <b>2004</b> , 164, 17-30	270
2254	Poplar genomics comes of age. <b>2004</b> , 164, 1-4	27
2253	Tension wood as a model for functional genomics of wood formation. <b>2004</b> , 164, 63-72	94
2252	Molecular basis for the evolution of xylem lignification. <b>2004</b> , 7, 737-42	73
2251	Expressed sequence tags from poplar wood tissues--a comparative analysis from multiple libraries. <b>2004</b> , 6, 55-64	72
2250	Peroxidases and the metabolism of hydroxycinnamic acid amides in Poaceae. <b>2004</b> , 3, 127-140	22
2249	Basic peroxidases: The gateway for lignin evolution?. <b>2004</b> , 3, 61-78	56
2248	Lignins: Natural polymers from oxidative coupling of 4-hydroxyphenyl- propanoids. <b>2004</b> , 3, 29-60	1062
2247	Progress in plant metabolic engineering. <b>2004</b> , 15, 148-54	172
2246	Identification of genes preferentially expressed during wood formation in Eucalyptus. <b>2004</b> , 55, 263-80	90
2245	Lateral roots affect the proteome of the primary root of maize (Zea mays L.). <b>2004</b> , 56, 397-412	44
2244	Genetic diversity associated with variation in silage corn digestibility for three O-methyltransferase genes involved in lignin biosynthesis. <b>2004</b> , 110, 126-35	50
2243	Nucleotide diversity of the ZmPox3 maize peroxidase gene: relationships between a MITE insertion in exon 2 and variation in forage maize digestibility. <b>2004</b> , 5, 19	54
2242	Study of the lignin model compound supramolecular structure by combination of near-field scanning optical microscopy and atomic force microscopy. <b>2004</b> , 34, 33-40	29
2241	Genetic and molecular basis of grass cell-wall degradability. I. Lignin-cell wall matrix interactions*1. <b>2004</b> ,	
2240	Genetic and molecular basis of grass cell-wall degradability. I. Lignin-cell wall matrix interactions. <b>2004</b> , 327, 455-65	198
2239	Genetic and molecular basis of grass cell-wall biosynthesis and degradability. III. Towards a forage grass ideotype. <b>2004</b> , 327, 467-79	43
2238	Lignification in poplar plantlets fed with deuterium-labelled lignin precursors. <b>2004</b> , 327, 799-807	8

2237	The polymorphism of the genes/enzymes involved in the last two reductive steps of monolignol synthesis: what is the functional significance?. <b>2004</b> , 327, 837-45	14
2236	Genetic and molecular basis of grass cell wall biosynthesis and degradability. II. Lessons from brown-midrib mutants. <b>2004</b> , 327, 847-60	120
2235	Lignification and tension wood. <b>2004</b> , 327, 889-901	105
2234	Apo and Holo structures of an NADPH-dependent cinnamyl alcohol dehydrogenase from <i>Saccharomyces cerevisiae</i> . <b>2004</b> , 341, 1049-62	43
2233	Investigating and Manipulating Lignin Biosynthesis in the Postgenomic Era. <b>2004</b> , 41, 63-106	20
2232	Kinetic and inhibition studies of cinnamoyl-CoA reductase 1 from <i>Arabidopsis thaliana</i> . <b>2005</b> , 43, 746-53	30
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2230	Hardwood tree biotechnology. <b>2005</b> , 41, 602-619	61
2229	Comparison of lignin deposition in three ectopic lignification mutants. <b>2005</b> , 168, 123-40	105
2228	EgMYB2, a new transcriptional activator from <i>Eucalyptus</i> xylem, regulates secondary cell wall formation and lignin biosynthesis. <b>2005</b> , 43, 553-67	282
2227	cDNA-AFLP reveals genes differentially expressed during the hypersensitive response of cassava. <b>2005</b> , 6, 113-23	18
2226	Engineering of plant natural product pathways. <b>2005</b> , 8, 329-36	110
2225	Coniferyl alcohol, a lignin precursor, stimulates <i>Rhizobium rhizogenes</i> A4 virulence. <b>2005</b> , 50, 262-5	3
2224	The ectopic expression of phenylalanine ammonia lyase with ectopic accumulation of polysaccharide-linked hydroxycinnamoyl esters in internode parenchyma of rice mutant Fukei 71. <b>2005</b> , 24, 487-93	8
2223	Structure of the cinnamyl-alcohol dehydrogenase gene family in rice and promoter activity of a member associated with lignification. <b>2005</b> , 220, 678-88	76
2222	Does lignin modification affect feeding preference or growth performance of insect herbivores in transgenic silver birch ( <i>Betula pendula</i> Roth)? <b>2005</b> , 222, 699-708	29
2221	Genomics of plant cell wall biogenesis. <b>2005</b> , 221, 747-51	83
2220	Increasing cellulose production and transgenic plant growth in forest tree species. <b>2005</b> , 16, 67-72	6

2219	Arabidopsis thaliana full genome longmer microarrays: a powerful gene discovery tool for agriculture and forestry. <b>2005</b> , 14, 551-61	19
2218	Development and application of functional markers in maize. <b>2005</b> , 146, 101-108	42
2217	Gene expression profile in response to Xanthomonas axonopodis pv. manihotis infection in cassava using a cDNA microarray. <b>2005</b> , 57, 393-410	75
2216	Metabolite profiling reveals a role for atypical cinnamyl alcohol dehydrogenase CAD1 in the synthesis of coniferyl alcohol in tobacco xylem. <b>2005</b> , 59, 753-69	38
2215	Characterization of basic p-coumaryl and coniferyl alcohol oxidizing peroxidases from a lignin-forming Picea abies suspension culture. <b>2005</b> , 58, 141-57	46
2214	Phenylpropanoids comprise a multitude of plant secondary metabolites and cell wall components. <b>2005</b> , 435-454	2
2213	Genes encoding enzymes of the lignin biosynthesis pathway in Eucalyptus. <b>2005</b> , 28, 601-607	40
2212	Molecular changes associated with the setting up of secondary growth in aspen. <b>2005</b> , 56, 2211-27	36
2211	Class III homeodomain leucine-zipper proteins regulate xylem cell differentiation. <b>2005</b> , 46, 1646-56	67
2210	Transcriptome profiling of vertical stem segments provides insights into the genetic regulation of secondary growth in hybrid aspen trees. <b>2005</b> , 46, 1213-25	56
2209	Targeted down-regulation of cytochrome P450 enzymes for forage quality improvement in alfalfa (Medicago sativa L.). <b>2005</b> , 102, 16573-8	259
2208	How Do Lignin Composition, Structure, and Cross-Linking Affect Degradability? A Review of Cell Wall Model Studies. <b>2005</b> , 45, 820-831	369
2207	Involvement of extracellular dilignols in lignification during tracheary element differentiation of isolated Zinnia mesophyll cells. <b>2005</b> , 46, 224-32	53
2206	Carbohydrate-active enzymes involved in the secondary cell wall biogenesis in hybrid aspen. <b>2005</b> , 137, 983-97	152
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2204	Cloning and molecular characterization of the basic peroxidase isoenzyme from Zinnia elegans, an enzyme involved in lignin biosynthesis. <b>2005</b> , 139, 1138-54	71
2203	Phenol Oxidation. <b>2005</b> , 279-282	2
2202	CINNAMYL ALCOHOL DEHYDROGENASE-C and -D are the primary genes involved in lignin biosynthesis in the floral stem of Arabidopsis. <b>2005</b> , 17, 2059-76	270

2201	TRANSPARENT TESTA10 encodes a laccase-like enzyme involved in oxidative polymerization of flavonoids in Arabidopsis seed coat. <b>2005</b> , 17, 2966-80	298
2200	Structural complexity, differential response to infection, and tissue specificity of indolic and phenylpropanoid secondary metabolism in Arabidopsis roots. <b>2005</b> , 138, 1058-70	158
2199	Arabidopsis fragile fiber8, which encodes a putative glucuronyltransferase, is essential for normal secondary wall synthesis. <b>2005</b> , 17, 3390-408	247
2198	Light, the circadian clock, and sugar perception in the control of lignin biosynthesis. <b>2005</b> , 56, 1651-63	107
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2196	QTL analysis of lignification and cell wall digestibility in the Bay-0 Shahdara RIL progeny of Arabidopsis thaliana as a model system for forage plant. <b>2005</b> , 168, 1235-1245	17
2195	Methods to Study Litter Decomposition. <b>2005</b> ,	94
2194	A Genomic and Molecular View of Wood Formation. <b>2006</b> , 25, 215-233	51
2193	NMR characterization of lignins isolated from fruit and vegetable insoluble dietary fiber. <b>2006</b> , 54, 8352-61	74
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2191	Phenolic Compound Biochemistry. <b>2006</b> ,	11
2190	Cinnamoyl-CoA reductase, a key enzyme in lignin biosynthesis, is an effector of small GTPase Rac in defense signaling in rice. <b>2006</b> , 103, 230-5	261
2189	Effects of coumarate 3-hydroxylase down-regulation on lignin structure. <b>2006</b> , 281, 8843-53	192
2188	Lignin radicals in the plant cell wall probed by Kerr-gated resonance Raman spectroscopy. <b>2006</b> , 90, 2978-86	32
2187	Pulp. <b>2006</b> ,	1
2186	Biosynthesis of Phenolic Compounds. <b>2008</b> , 63-149	5
2185	Families of Phenolic Compounds and Means of Classification. <b>2008</b> , 1-34	19
2184	Elucidation of the structure of cellulolytic enzyme lignin. <b>2006</b> , 60, 389-397	120

2183	Characterization of the maize xylem sap proteome. <b>2006</b> , 5, 963-72	90
2182	Characterization of the last step of lignin biosynthesis in <i>Zinnia elegans</i> suspension cell cultures. <b>2006</b> , 580, 4311-6	31
2181	Isolation and characterisation of a family of laccases in maize. <b>2006</b> , 171, 217-225	44
2180	Relative distributions of phenol dimers and hydroxy acids in a cultivated soil and above ground maize tissue. <b>2006</b> , 37, 1634-1638	22
2179	Cloning and functional analysis of caffeic acid 3-O-methyltransferase from rice ( <i>Oryza sativa</i> ). <b>2006</b> , 31, 47-53	23
2178	Reduction of Lignin Content by Suppression of Expression of the LIM Domain Transcription Factor in <i>Eucalyptus camaldulensis</i> . <b>2006</b> , 55, 269-277	50
2177	Plant cell wall biosynthesis: genetic, biochemical and functional genomics approaches to the identification of key genes. <b>2006</b> , 4, 145-67	158
2176	Genome-wide analysis of the structural genes regulating defense phenylpropanoid metabolism in <i>Populus</i> . <b>2006</b> , 172, 47-62	222
2175	Biochemical characterization of the major sorghum grain peroxidase. <b>2006</b> , 273, 2293-307	28
2174	Multi-site genetic modulation of monolignol biosynthesis suggests new routes for formation of syringyl lignin and wall-bound ferulic acid in alfalfa ( <i>Medicago sativa</i> L.). <b>2006</b> , 48, 113-24	153
2173	Laser capture microdissection of plant cells from tape-transferred paraffin sections promotes recovery of structurally intact RNA for global gene profiling. <b>2006</b> , 48, 628-37	62
2172	Environmentally degradable, high-performance thermoplastics from phenolic phytomonomers. <b>2006</b> , 5, 966-70	159
2171	Identification of cold acclimation-responsive <i>Rhododendron</i> genes for lipid metabolism, membrane transport and lignin biosynthesis: importance of moderately abundant ESTs in genomic studies. <b>2006</b> , 29, 558-70	68
2170	Conifer defence against insects: microarray gene expression profiling of Sitka spruce ( <i>Picea sitchensis</i> ) induced by mechanical wounding or feeding by spruce budworms ( <i>Choristoneura occidentalis</i> ) or white pine weevils ( <i>Pissodes strobi</i> ) reveals large-scale changes of the host transcriptome. <b>2006</b> , 33, 1515-70	197
2169	Biosynthesis of cellulose-enriched tension wood in <i>Populus</i> : global analysis of transcripts and metabolites identifies biochemical and developmental regulators in secondary wall biosynthesis. <b>2006</b> , 45, 144-65	306
2168	The glucosyltransferase UGT72E2 is responsible for monolignol 4-O-glucoside production in <i>Arabidopsis thaliana</i> . <b>2006</b> , 48, 286-95	78
2167	Novel chemo-enzymatic oligomers of cinnamic acids as direct and indirect inhibitors of coagulation proteinases. <b>2006</b> , 14, 7988-98	57
2166	S-Adenosyl-L-methionine: beyond the universal methyl group donor. <b>2006</b> , 67, 1686-98	280

2165	Component analysis of the fluorescence spectra of a lignin model compound. <b>2006</b> , 83, 1-10	66
2164	Comparative proteome analyses of maize ( <i>Zea mays</i> L.) primary roots prior to lateral root initiation reveal differential protein expression in the lateral root initiation mutant rum1. <b>2006</b> , 6, 4300-8	56
2163	Cytochromes P450 in phenolic metabolism. <b>2006</b> , 5, 239-270	82
2162	Cloning, characterization and localization of three novel class III peroxidases in lignifying xylem of Norway spruce ( <i>Picea abies</i> ). <b>2006</b> , 61, 719-32	35
2161	Comparison of maize brown-midrib isogenic lines by cellular UV-microspectrophotometry and comparative transcript profiling. <b>2006</b> , 62, 697-714	38
2160	Down-regulation of the maize and <i>Arabidopsis thaliana</i> caffeic acid O-methyl-transferase genes by two new maize R2R3-MYB transcription factors. <b>2006</b> , 62, 809-23	106
2159	Patterns of B-type cyclin gene expression during adventitious rooting of micropropagated cork oak. <b>2006</b> , 86, 367-374	8
2158	QTLs and candidate genes for wood properties in maritime pine ( <i>Pinus pinaster</i> Ait.). <b>2006</b> , 2, 10-24	43
2157	Ab Initio Studies on the Molecular Conformation of Lignin Model Compounds I. Conformational Preferences of the Phenolic Hydroxyl and Methoxy Groups in Guaiacol. <b>2006</b> , 137, 55-68	25
2156	Differential accumulation of monolignol-derived compounds in elicited flax ( <i>Linum usitatissimum</i> ) cell suspension cultures. <b>2006</b> , 223, 975-89	109
2155	Involvement of AtLAC15 in lignin synthesis in seeds and in root elongation of <i>Arabidopsis</i> . <b>2006</b> , 224, 1185-96	127
2154	Genetic variations of cell wall digestibility related traits in floral stems of <i>Arabidopsis thaliana</i> accessions as a basis for the improvement of the feeding value in maize and forage plants. <b>2006</b> , 113, 163-75	6
2153	High levels of linkage disequilibrium and associations with forage quality at a phenylalanine ammonia-lyase locus in European maize ( <i>Zea mays</i> L.) inbreds. <b>2007</b> , 114, 307-19	44
2152	Polymerisation of added coniferyl alcohol by inherent xylem peroxidases and its effect on fungal decay resistance of Norway spruce. <b>2006</b> , 40, 697-707	7
2151	<i>Arabidopsis thaliana</i> beta-Glucosidases BGLU45 and BGLU46 hydrolyse monolignol glucosides. <b>2006</b> , 67, 1651-60	84
2150	N-Methyltransferase involved in gamine biosynthesis in barley: cloning and characterization. <b>2006</b> , 67, 2002-8	27
2149	High performance liquid chromatography method for the determination of cinnamyl alcohol dehydrogenase activity in soybean roots. <b>2006</b> , 44, 511-5	26
2148	<i>Eucalyptus gunnii</i> CCR and CAD2 promoters are active in lignifying cells during primary and secondary xylem formation in <i>Arabidopsis thaliana</i> . <b>2006</b> , 44, 674-83	28



2147	Isolation and comparative characterization of a Bjrkman lignin from the saponified cork of Douglas-fir bark. <b>2006</b> , 77, 169-176	37
2146	Lignin turnover kinetics in an agricultural soil is monomer specific. <b>2006</b> , 38, 1977-1988	116
2145	Accumulation of lignin in relation to change in activities of lignification enzymes in loquat fruit flesh after harvest. <b>2006</b> , 40, 163-169	164
2144	A coumaroyl-ester-3-hydroxylase insertion mutant reveals the existence of nonredundant meta-hydroxylation pathways and essential roles for phenolic precursors in cell expansion and plant growth. <b>2006</b> , 140, 30-48	123
2143	Effect of ascorbate and its oxidation products on H <sub>2</sub> O <sub>2</sub> production in cell-suspension cultures of <i>Picea abies</i> and in the absence of cells. <b>2006</b> , 57, 1633-44	60
2142	Isolation and characterization of a novel peroxidase gene ZPO-C whose expression and function are closely associated with lignification during tracheary element differentiation. <b>2006</b> , 47, 493-503	52
2141	Within-tree transcriptome profiling in wood-forming tissues of a fast-growing <i>Eucalyptus</i> tree. <b>2006</b> , 26, 365-75	24
2140	The poplar glycosyltransferase GT47C is functionally conserved with <i>Arabidopsis</i> Fragile fiber8. <b>2006</b> , 47, 1229-40	63
2139	GOLD HULL AND INTERNODE2 encodes a primarily multifunctional cinnamyl-alcohol dehydrogenase in rice. <b>2006</b> , 140, 972-83	140
2138	Nematode infection and reproduction in transgenic and mutant <i>Arabidopsis</i> and tobacco with an altered phenylpropanoid metabolism. <b>2006</b> , 57, 2825-35	72
2137	Mutant identification and characterization of the laccase gene family in <i>Arabidopsis</i> . <b>2006</b> , 57, 2563-9	126
2136	Optimizing for Multiple Functions: Mechanical and Structural Contributions of Cellulose Microfibrils and Lignin in Strengthening Tissues. 20-29	6
2135	Progressive inhibition by water deficit of cell wall extensibility and growth along the elongation zone of maize roots is related to increased lignin metabolism and progressive stelar accumulation of wall phenolics. <b>2006</b> , 140, 603-12	161
2134	SND1, a NAC domain transcription factor, is a key regulator of secondary wall synthesis in fibers of <i>Arabidopsis</i> . <b>2006</b> , 18, 3158-70	527
2133	Modification of Cellulose in Wood. <b>2006</b> , 123-136	2
2132	A Barley xyloglucan xyloglucosyl transferase covalently links xyloglucan, cellulosic substrates, and (1,3;1,4)-beta-D-glucans. <b>2007</b> , 282, 12951-62	112
2131	Exploring lignification in conifers by silencing hydroxycinnamoyl-CoA:shikimate hydroxycinnamoyltransferase in <i>Pinus radiata</i> . <b>2007</b> , 104, 11856-61	133
2130	A genomic approach to suberin biosynthesis and cork differentiation. <b>2007</b> , 144, 419-31	110

2129	The MYB46 transcription factor is a direct target of SND1 and regulates secondary wall biosynthesis in Arabidopsis. <b>2007</b> , 19, 2776-92	437
2128	Diversity of Fusarium species associated with discolored ginseng roots in British Columbia. <b>2007</b> , 29, 340-353	27
2127	Downregulation of cinnamoyl-coenzyme A reductase in poplar: multiple-level phenotyping reveals effects on cell wall polymer metabolism and structure. <b>2007</b> , 19, 3669-91	280
2126	Phenolic compounds in young developing kiwifruit in relation to light exposure: Implications for fruit calcium accumulation. <b>2007</b> , 2, 63-69	14
2125	A comprehensive set of plasmids for vanillate- and xylose-inducible gene expression in <i>Caulobacter crescentus</i> . <b>2007</b> , 35, e137	214
2124	Lignins. <b>2007</b> ,	35
2123	Arabidopsis irregular xylem8 and irregular xylem9: implications for the complexity of glucuronoxylan biosynthesis. <b>2007</b> , 19, 549-63	339
2122	Microarray gene expression profiling of developmental transitions in Sitka spruce ( <i>Picea sitchensis</i> ) apical shoots. <b>2007</b> , 58, 593-614	42
2121	Chlorination of lignin by ubiquitous fungi has a likely role in global organochlorine production. <b>2007</b> , 104, 3895-900	52
2120	The effects of oxalic acid on transgenic <i>Castanea dentata</i> callus tissue expressing oxalate oxidase. <b>2007</b> , 172, 488-496	24
2119	Molecular characterization of EgMYB1, a putative transcriptional repressor of the lignin biosynthetic pathway. <b>2007</b> , 173, 542-549	110
2118	Metabolomic alterations in elicitor treated <i>Silybum marianum</i> suspension cultures monitored by nuclear magnetic resonance spectroscopy. <b>2007</b> , 130, 133-42	45
2117	Downregulation of structural lignin genes to improve digestibility and bioethanol production in maize. <b>2007</b> , 131, S29-S30	1
2116	Dynamics of silica spicule evolution in marine sponge <i>Hymeniacidon perlevis</i> during in vitro cell culture and the seasonal development in field. <b>2007</b> , 131, S30	
2115	Metabolite profiles of lactic acid bacteria in grass silage. <b>2007</b> , 73, 5547-52	108
2114	Tracheary element differentiation. <i>Annual Review of Plant Biology</i> , <b>2007</b> , 58, 407-33	30:7 177
2113	Transgenic Crops VI. <b>2007</b> ,	4
2112	Industrial Enzymes. <b>2007</b> ,	78

2111	Beyond Structural Genomics for Plant Science. <b>2007</b> , 77-161	13
2110	Poplar defense against insect herbivores This review is one of a selection of papers published in the Special Issue on Poplar Research in Canada.. <b>2007</b> , 85, 1111-1126	53
2109	Effects of increased nitrogen supply on the lignification of poplar wood. <b>2007</b> , 55, 10306-14	44
2108	Identification and analysis of differentially expressed genes in differentiating xylem of Chinese fir ( <i>Cunninghamia lanceolata</i> ) by suppression subtractive hybridization. <b>2007</b> , 50, 1141-55	15
2107	Flavonoid accumulation in <i>Arabidopsis</i> repressed in lignin synthesis affects auxin transport and plant growth. <b>2007</b> , 19, 148-62	397
2106	Occurrence of naturally acetylated lignin units. <b>2007</b> , 55, 5461-8	145
2105	<i>Populus</i> : a model system for plant biology. <i>Annual Review of Plant Biology</i> , <b>2007</b> , 58, 435-58	30.7 433
2104	Genome-wide analyses of phenylpropanoid-related genes in <i>Populus trichocarpa</i> , <i>Arabidopsis thaliana</i> , and <i>Oryza sativa</i> : the <i>Populus</i> lignin toolbox and conservation and diversification of angiosperm gene families This article is one of a selection of papers published in the Special Issue on Poplar Research in Canada.. <b>2007</b> , 85, 1182-1201	107
2103	Amino Acid Synthesis in Plastids. <b>2007</b> , 355-385	6
2102	Biomass. 430-457	1
2101	A Comparative Study of Alfalfa and <i>Medicago truncatula</i> Stem Traits: Morphology, Chemical Composition, and Ruminant Digestibility. <b>2007</b> , 47, 1672-1680	12
2100	Feedstock Crop Genetic Engineering for Alcohol Fuels. <b>2007</b> , 47, 2238-2248	39
2099	Internode structure and cell wall composition in maturing tillers of switchgrass ( <i>Panicum virgatum</i> L.). <b>2007</b> , 98, 2985-92	55
2098	Peroxidase activity can dictate the in vitro lignin dehydrogenative polymer structure. <b>2007</b> , 68, 571-9	35
2097	Modification of hemicellulose content by antisense down-regulation of UDP-glucuronate decarboxylase in tobacco and its consequences for cellulose extractability. <b>2007</b> , 68, 2635-48	37
2096	Prediction of Klason lignin and lignin thermal degradation products by PyGC/MS in a collection of <i>Lolium</i> and <i>Festuca</i> grasses. <b>2007</b> , 80, 16-23	81
2095	High-performance functional copolymers based on flora and fauna. <b>2007</b> , 7, 210-9	6
2094	Loosening lignin's grip on biofuel production. <b>2007</b> , 25, 746-8	138

2093	Human embryonic stem cells flock together. <b>2007</b> , 25, 748-50	11
2092	Lignin modification improves fermentable sugar yields for biofuel production. <b>2007</b> , 25, 759-61	1001
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2089	Structural motifs of syringyl peroxidases predate not only the gymnosperm-angiosperm divergence but also the radiation of tracheophytes. <b>2007</b> , 173, 63-78	40
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2087	Stable hydrogen isotope ratios of lignin methoxyl groups as a paleoclimate proxy and constraint of the geographical origin of wood. <b>2007</b> , 176, 600-609	71
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2082	Analysis of 13000 unique Citrus clusters associated with fruit quality, production and salinity tolerance. <b>2007</b> , 8, 31	60
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2077	Post-translational modifications of the basic peroxidase isoenzyme from <i>Zinnia elegans</i> . <b>2007</b> , 65, 43-61	20
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2073	Short-term effects of nitrogen availability on wood formation and fibre properties in hybrid poplar. <b>2007</b> , 21, 249-259	62
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2071	Rhizobacterial volatile emissions regulate auxin homeostasis and cell expansion in Arabidopsis. <b>2007</b> , 226, 839-51	341
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2058	Opportunities and roadblocks in utilizing forages and small grains for liquid fuels. <b>2008</b> , 35, 343-354	116

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1770	Lignin Recovery and Utilization. <b>2010</b> , 247-274	6

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1711	Distribution of lignin and its coniferyl alcohol and coniferyl aldehyde groups in <i>Picea abies</i> and <i>Pinus sylvestris</i> as observed by Raman imaging. <b>2011</b> , 72, 1889-95	58
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1534	Depolymerization and hydrodeoxygenation of switchgrass lignin with formic acid. <b>2012</b> , 5, 667-75	200
1533	Molecular modeling of the structural and dynamical properties of secondary plant cell walls: influence of lignin chemistry. <b>2012</b> , 116, 4163-74	46
1532	Natural hypolignification is associated with extensive oligolignol accumulation in flax stems. <b>2012</b> , 158, 1893-915	71
1531	Cloning, characterization and impact of up- and down-regulating subabul cinnamyl alcohol dehydrogenase (CAD) gene on plant growth and lignin profiles in transgenic tobacco. <b>2012</b> , 66, 239-253	9
1530	Structural Differences Between Lignin Model Polymers Synthesized from Various Monomers. <b>2012</b> , 20, 607-617	15
1529	A candidate gene for lignin composition in Eucalyptus: cinnamoyl-CoA reductase (CCR). <b>2012</b> , 8, 353-364	16
1528	Global profiling of ultraviolet-induced metabolic disruption in <i>Melissa officinalis</i> by using gas chromatography-mass spectrometry. <b>2012</b> , 404, 553-62	19
1527	The role of CCoAOMT1 and COMT1 in <i>Arabidopsis</i> anthers. <b>2012</b> , 236, 51-61	21
1526	Cellulose factories: advancing bioenergy production from forest trees. <b>2012</b> , 194, 54-62	60
1525	Designed for deconstruction--poplar trees altered in cell wall lignification improve the efficacy of bioethanol production. <b>2012</b> , 194, 91-101	125
1524	Changes in cinnamyl alcohol dehydrogenase activities from sugarcane cultivars inoculated with <i>Sporisorium scitamineum</i> sporidia. <b>2012</b> , 145, 245-59	19
1523	Direct mapping of morphological distribution of syringyl and guaiacyl lignin in the xylem of maple by time-of-flight secondary ion mass spectrometry. <b>2012</b> , 69, 542-52	67
1522	Water sorption isotherms of Kraft lignin and its composites. <b>2012</b> , 87, 1817-1821	32
1521	Lignin as both fuel and fusing binder in briquetted anthracite fines for foundry coke substitute. <b>2012</b> , 97, 869-875	39
1520	Natural fibre composite energy absorption structures. <b>2012</b> , 72, 211-217	80
1519	Sequential extractions and structural characterization of lignin with ethanol and alkali from bamboo ( <i>Neosinocalamus affinis</i> ). <b>2012</b> , 37, 51-60	91
1518	Influence of variable species composition on the saccharification of AFEX <sup>®</sup> pretreated biomass from unmanaged fields in comparison to corn stover. <b>2012</b> , 37, 49-59	31

1517	Sodium hydroxide pretreatment of genetically modified switchgrass for improved enzymatic release of sugars. <b>2012</b> , 110, 364-70	36
1516	Evolution of the 4-coumarate:coenzyme A ligase (4CL) gene family: Conserved evolutionary pattern and two new gene classes in gymnosperms. <b>2012</b> , 50, 195-205	6
1515	Source and transformations of lignin in Carex-dominated peat. <b>2012</b> , 53, 32-42	25
1514	New opportunities for the exploitation of energy crops by thermochemical conversion in Northern Europe and the UK. <b>2012</b> , 38, 138-155	96
1513	Transcriptional changes related to secondary wall formation in xylem of transgenic lines of tobacco altered for lignin or xylan content which show improved saccharification. <b>2012</b> , 74, 79-89	16
1512	Enzymatic activity and proteomic profile of class III peroxidases during sugarcane stem development. <b>2012</b> , 55, 66-76	34
1511	The effect of light on gene expression and podophyllotoxin biosynthesis in <i>Linum album</i> cell culture. <b>2012</b> , 56, 41-6	32
1510	Monolignol biosynthesis is associated with resistance to <i>Sclerotinia sclerotiorum</i> in <i>Camelina sativa</i> . <b>2012</b> , 13, 887-99	53
1509	<i>Arabidopsis</i> VILLIN2 and VILLIN3 act redundantly in sclerenchyma development via bundling of actin filaments. <b>2012</b> , 71, 962-75	42
1508	Biosynthesis and incorporation of side-chain-truncated lignin monomers to reduce lignin polymerization and enhance saccharification. <b>2012</b> , 10, 609-20	119
1507	Expression of a bacterial, phenylpropanoid-metabolizing enzyme in tobacco reveals essential roles of phenolic precursors in normal leaf development and growth. <b>2012</b> , 145, 260-74	4
1506	Colloidal catalysts based on iron(III) oxides. 1. Decomposition of hydrogen peroxide. <b>2012</b> , 74, 85-90	11
1505	Comparison of cell wall metabolism in the pulp of three cultivars of 'Nanfeng' tangerine differing in mastication trait. <b>2012</b> , 92, 496-502	9
1504	OscAD2 is the major CAD gene responsible for monolignol biosynthesis in rice culm. <b>2012</b> , 31, 91-101	59
1503	Isolation of cinnamoyl CoA reductase and cinnamyl alcohol dehydrogenase gene promoters from <i>Leucaena leucocephala</i> , a leguminous tree species, and characterization of tissue-specific activity in transgenic tobacco. <b>2012</b> , 108, 421-436	12
1502	Isolation and Partial Characterization of an R2R3MYB Transcription Factor from the Bamboo Species <i>Fargesia fungosa</i> . <b>2012</b> , 30, 131-138	2
1501	Litter decay rates are determined by lignin chemistry. <b>2012</b> , 108, 279-295	118
1500	Cloning and functional characterization of a caffeic acid O-methyltransferase from <i>Trigonella foenum-graecum</i> L. <b>2012</b> , 39, 1601-8	4

1499	Harvest-inducibility of the promoter of alfalfa S-adenosyl-L-methionine: trans-caffeoyl-CoA3-O-methyltransferase gene. <b>2012</b> , 39, 2489-95	2
1498	Differential responses of microsomal proteins and metabolites in two contrasting cadmium (Cd)-accumulating soybean cultivars under Cd stress. <b>2012</b> , 42, 317-27	65
1497	DIMINUTO 1 affects the lignin profile and secondary cell wall formation in Arabidopsis. <b>2012</b> , 235, 485-98	34
1496	Responses to environmental stresses in woody plants: key to survive and longevity. <b>2012</b> , 125, 1-10	27
1495	Concentration kinetics of secoisolariciresinol diglucoside and its biosynthetic precursor coniferin in developing flaxseed. <b>2013</b> , 24, 41-6	8
1494	Characterization of the mbd cluster encoding the anaerobic 3-methylbenzoyl-CoA central pathway. <b>2013</b> , 15, 148-66	32
1493	Unmasking the structural features and property of lignin from bamboo. <b>2013</b> , 42, 332-343	155
1492	Effects of pretreatment on morphology, chemical composition and enzymatic digestibility of eucalyptus bark: a potentially valuable source of fermentable sugars for biofuel production - part 1. <b>2013</b> , 6, 75	87
1491	Lignin biosynthesis perturbations affect secondary cell wall composition and saccharification yield in Arabidopsis thaliana. <b>2013</b> , 6, 46	194
1490	Plant cell wall profiling by fast maximum likelihood reconstruction (FMLR) and region-of-interest (ROI) segmentation of solution-state 2D 1H-13C NMR spectra. <b>2013</b> , 6, 45	18
1489	Assessing the molecular structure basis for biomass recalcitrance during dilute acid and hydrothermal pretreatments. <b>2013</b> , 6, 15	402
1488	Lignin: untapped biopolymers in biomass conversion technologies. <b>2013</b> , 3, 255-269	60
1487	Molecular characterization of allelic variation in spontaneous brown midrib mutants of sorghum ( <i>Sorghum bicolor</i> (L.) Moench). <b>2013</b> , 31, 795-803	13
1486	Isolation and characterization of a laccase gene potentially involved in proanthocyanidin polymerization in Oriental persimmon ( <i>Diospyros kaki</i> Thunb.) fruit. <b>2013</b> , 40, 2809-20	19
1485	Cinnamate 4-Hydroxylase (C4H) genes from <i>Leucaena leucocephala</i> : a pulp yielding leguminous tree. <b>2013</b> , 40, 1265-74	17
1484	Antisense-overexpression of the MsCOMT gene induces changes in lignin and total phenol contents in transgenic tobacco plants. <b>2013</b> , 40, 1979-86	7
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1481	Structural characterization and deposition of stone cell lignin in Dangshan Su pear. <b>2013</b> , 155, 123-130	54
1480	Genetically engineered trees for plantation forests: key considerations for environmental risk assessment. <b>2013</b> , 11, 785-98	58
1479	Antimicrobial defenses and resistance in forest trees: challenges and perspectives in a genomic era. <b>2013</b> , 51, 221-44	51
1478	Pretreatment Techniques for Biofuels and Biorefineries. <b>2013</b> ,	25
1477	Fruits and Vegetables. <b>2013</b> , 49-126	9
1476	Identification of molecular processes needed for vascular formation through transcriptome analysis of different vascular systems. <b>2013</b> , 14, 217	9
1475	Xylem transcription profiles indicate potential metabolic responses for economically relevant characteristics of Eucalyptus species. <b>2013</b> , 14, 201	25
1474	Transcriptional programming during cell wall maturation in the expanding Arabidopsis stem. <b>2013</b> , 13, 14	28
1473	Relationship between N, P, and K and the quality and stem structural characteristics of <i>Caesalpinia echinata</i> Lam. plants. <b>2013</b> , 27, 1477-1484	4
1472	Standardization of Switchgrass Sample Collection for Cell Wall and Biomass Trait Analysis. <b>2013</b> , 6, 755-762	67
1471	Two-Dimensional NMR Evidence for Cleavage of Lignin and Xylan Substituents in Wheat Straw Through Hydrothermal Pretreatment and Enzymatic Hydrolysis. <b>2013</b> , 6, 211-221	63
1470	Preparation and characterization of thermoplastic polyurethanes using partially acetylated kraft lignin. <b>2013</b> , 14, 1082-1093	38
1469	Anatomical changes of xylem cells in stem of <i>Pinus radiata</i> seedlings exposed to inclination and ethylene. <b>2013</b> , 57, 525-530	9
1468	Laccase catalysed modification of lignin subunits and coupling to p-aminobenzoic acid. <b>2013</b> , 97, 45-53	15
1467	Revealing the structural inhomogeneity of lignins from sweet sorghum stem by successive alkali extractions. <b>2013</b> , 61, 4226-35	44
1466	Recovery, characteristics and potential use as linerboard coatings material of lignin from oil palm empty fruit bunches/black liquor. <b>2013</b> , 50, 8-14	6
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1464	Conformational analysis of lignin models: a chemometric approach. <b>2013</b> , 19, 2149-63	2

1463	Variable <b>D</b> values among major biochemicals in plants: Implications for environmental studies. <b>2013</b> , 111, 117-127	13
1462	Effects of gibberellin treatment during flowering induction period on global gene expression and the transcription of flowering-control genes in Citrus buds. <b>2013</b> , 198, 46-57	66
1461	Effect of plant secondary metabolites on legume pod borer, <i>Helicoverpa armigera</i> . <b>2013</b> , 86, 399-408	64
1460	Covalent bond formation between amino acids and lignin: cross-coupling between proteins and lignin. <b>2013</b> , 96, 449-56	22
1459	Sorghum <i>bmr6</i> mutant analysis demonstrates that a shared MYB1 transcription factor binding site in the promoter links the expression of genes in related pathways. <b>2013</b> , 13, 445-53	6
1458	The proteomes of feedstocks used for the production of second-generation ethanol: a lacuna in the biofuel era. <b>2013</b> , 163, 12-22	11
1457	Lignin monomeric composition of corks from the barks of <i>Betula pendula</i> , <i>Quercus suber</i> and <i>Quercus cerris</i> determined by PyGC/MS/FID. <b>2013</b> , 100, 88-94	46
1456	Structural analysis for lignin characteristics in biomass straw. <b>2013</b> , 57, 264-279	183
1455	Hydrophobic Polymers from Food Waste: Resources and Synthesis. <b>2013</b> , 53, 627-694	56
1454	Surface-initiated dehydrogenative polymerization of monolignols: a quartz crystal microbalance with dissipation monitoring and atomic force microscopy study. <b>2013</b> , 14, 3964-72	16
1453	Cellular Aspects of Wood Formation. <b>2013</b> ,	19
1452	Laccase is necessary and nonredundant with peroxidase for lignin polymerization during vascular development in <i>Arabidopsis</i> . <b>2013</b> , 25, 3976-87	280
1451	Optimized multimodal nanoplatforms for targeting $\alpha_5\beta_1$ integrins. <b>2013</b> , 5, 11478-89	29
1450	Enumeration of labile hydrogens in natural organic matter by use of hydrogen/deuterium exchange Fourier transform ion cyclotron resonance mass spectrometry. <b>2013</b> , 85, 11007-13	53
1449	Distribution of lignin and cellulose in compression wood tracheids of <i>Pinus yunnanensis</i> determined by fluorescence microscopy and confocal Raman microscopy. <b>2013</b> , 47, 212-217	48
1448	A novel and efficient polymerization of lignosulfonates by horseradish peroxidase/H <sub>2</sub> O <sub>2</sub> incubation. <b>2013</b> , 97, 10309-20	42
1447	Green Biomass Pretreatment for Biofuels Production. <b>2013</b> ,	8
1446	Lotus Cell Walls and the Genes Involved in its Synthesis and Modification. <b>2013</b> , 6, 152-160	

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1444	Supercritical CO <sub>2</sub> and ionic liquids for the pretreatment of lignocellulosic biomass in bioethanol production. <b>2013</b> , 34, 1735-49	60
1443	Heat stress causes alterations in the cell-wall polymers and anatomy of coffee leaves ( <i>Coffea arabica</i> L.). <b>2013</b> , 93, 135-43	54
1442	Chemical responses to modified lignin composition in tension wood of hybrid poplar ( <i>Populus tremula</i> x <i>Populus alba</i> ). <b>2013</b> , 33, 365-73	11
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1440	Sorghum mutant RG displays antithetic leaf shoot lignin accumulation resulting in improved stem saccharification properties. <b>2013</b> , 6, 146	19
1439	Ultraviolet spectroscopy of fundamental lignin subunits: guaiacol, 4-methylguaiacol, syringol, and 4-methylsyringol. <b>2013</b> , 139, 144313	37
1438	Mechanisms of Resistance to Pests and Pathogens in Sugarcane and Related Crop Species. <b>2013</b> , 435-482	1
1437	Wood-Based Energy in the Northern Forests. <b>2013</b> ,	4
1436	De novo characterization of <i>Larix gmelinii</i> (Rupr.) Rupr. transcriptome and analysis of its gene expression induced by jasmonates. <b>2013</b> , 14, 548	21
1435	Compressive viscoelastic properties of softwood kraft lignin-based flexible polyurethane foams. <b>2013</b> , 14, 1301-1310	17
1434	Release of small phenolic compounds from brewer's spent grain and its lignin fractions by human intestinal microbiota in vitro. <b>2013</b> , 61, 9744-53	17
1433	Mineral stress affects the cell wall composition of grapevine ( <i>Vitis vinifera</i> L.) callus. <b>2013</b> , 205-206, 111-20	32
1432	Lignin-Degrading Enzymes: An Overview. <b>2013</b> , 167-192	5
1431	Epigenetic regulation of mouse sex determination by the histone demethylase Jmjd1a. <b>2013</b> , 341, 1106-9	190
1430	Deconstruction of lignocellulosic biomass with ionic liquids. <b>2013</b> , 15, 550	1054
1429	Chemoenzymatic Total Synthesis of a Naturally Occurring (5-5'')/(8'-O-4'') Dehydrotrimer of Ferulic Acid. <b>2013</b> , 2013, 173-179	25
1428	Novel seed coat lignins in the Cactaceae: structure, distribution and implications for the evolution of lignin diversity. <b>2013</b> , 73, 201-11	83



1427	Recombinant <i>Bacillus subtilis</i> that grows on untreated plant biomass. <b>2013</b> , 79, 867-76	19
1426	Chitosan-lignosulfonates sono-chemically prepared nanoparticles: characterisation and potential applications. <b>2013</b> , 103, 1-8	61
1425	Exceptionally well-preserved vegetal remains from the Upper Cretaceous of "Lo Hueco" Cuenca, Spain. <b>2013</b> , 46, 127-140	7
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1421	QTL detection for forage quality and stem histology in four connected mapping populations of the model legume <i>Medicago truncatula</i> . <b>2013</b> , 126, 497-509	15
1420	Medium term effects of fire induced soil organic matter alterations on Andosols under Canarian pine ( <i>Pinus canariensis</i> ). <b>2013</b> , 104, 269-279	15
1419	Can genetic engineering of lignin deposition be accomplished without an unacceptable yield penalty?. <b>2013</b> , 24, 336-43	127
1418	Ethylene-induced changes in lignification and cell wall-degrading enzymes in the roots of mungbean ( <i>Vigna radiata</i> ) sprouts. <b>2013</b> , 73, 412-9	28
1417	Biochemical characterization of recombinant cinnamoyl CoA reductase 1 (Ll-CCR1) from <i>Leucaena leucocephala</i> . <b>2013</b> , 58, 154-9	8
1416	Analysis of five rice 4-coumarate:coenzyme A ligase enzyme activity and stress response for potential roles in lignin and flavonoid biosynthesis in rice. <b>2013</b> , 430, 1151-6	66
1415	Effect of boiling and roasting on the polyacetylene and polyphenol content of fennel ( <i>Foeniculum vulgare</i> ) bulb. <b>2013</b> , 50, 513-518	36
1414	Characterization of bioresidues for biooil production through pyrolysis. <b>2013</b> , 138, 71-8	77
1413	Fractionation of cellulase and fermentation inhibitors from steam pretreated mixed hardwood. <b>2013</b> , 135, 30-8	113
1412	Probing the active site of cinnamoyl CoA reductase 1 (Ll-CCR1) from <i>Leucaena leucocephala</i> . <b>2013</b> , 60, 33-8	6
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1410	Optimization and characterization of lignosulfonate biodegradation process by a bacterial strain, <i>Sphingobacterium</i> sp. HY-H. <b>2013</b> , 85, 365-371	17

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1407	Insights into lignin degradation and its potential industrial applications. <b>2013</b> , 82, 1-28	192
1406	Development and application of microsatellites in candidate genes related to wood properties in the Chinese white poplar ( <i>Populus tomentosa</i> Carr.). <b>2013</b> , 20, 31-44	25
1405	Natural Polymers: Their Blends, Composites and Nanocomposites: State of Art, New Challenges and Opportunities. <b>2013</b> , 1-20	7
1404	Synergistic benefits of ionic liquid and alkaline pretreatments of poplar wood. Part 2: characterization of lignin and hemicelluloses. <b>2013</b> , 136, 345-50	29
1403	Plant Cell Wall Structure-Pretreatment: The Critical Relationship in Biomass Conversion to Fermentable Sugars. <b>2013</b> , 1-30	7
1402	Solid-State Biological Pretreatment of Lignocellulosic Biomass. <b>2013</b> , 67-86	1
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1400	Transcriptional Regulation of Wood Formation in Tree Species. <b>2013</b> , 141-158	5
1399	Processes in Living Structures. <b>2013</b> , 43-223	2
1398	Synthesis, characterization, and photoresponsive studies on lignin functionalized with (E)-2-(4-(naphthalen-1-yl diazenyl)phenyl)acetic acid. <b>2013</b> , 24, 437-440	1
1397	Spatial mapping of extracellular oxidant production by a white rot basidiomycete on wood reveals details of ligninolytic mechanism. <b>2013</b> , 15, 956-66	15
1396	Lignocellulosic Materials Into Biohydrogen and Biomethane: Impact of Structural Features and Pretreatment. <b>2013</b> , 43, 260-322	265
1395	Enzymatic cleavage of lignin $\beta$ -O-4 aryl ether bonds via net internal hydrogen transfer. <b>2013</b> , 15, 1373	84
1394	Plant Biomass Characterization: Application of Solution- and Solid-State NMR Spectroscopy. <b>2013</b> , 369-390	19
1393	Fundamentals of Biomass Pretreatment by Fractionation. <b>2013</b> , 201-222	38
1392	Proteomics-based investigation of salt-responsive mechanisms in plant roots. <b>2013</b> , 82, 230-53	124

1391	Development of oil palm empty fruit bunches Lignin for production of linerboard coating: Effect of selected stabilizers on coating characteristics and coated linerboard properties. <b>2013</b> , 76, 482-487	6
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1389	Efficient cobalt-catalyzed oxidative conversion of lignin models to benzoquinones. <b>2013</b> , 15, 2730-3	115
1388	Degradation of terrestrially derived macromolecules in the Amazon River. <b>2013</b> , 6, 530-533	242
1387	The evolution of phenylpropanoid metabolism in the green lineage. <b>2013</b> , 48, 123-52	155
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1385	Genetic Modifications of Plant Cell Walls to Increase Biomass and Bioethanol Production. <b>2013</b> , 315-338	12
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1383	Structural elucidation of the lignins from stems and foliage of <i>Arundo donax</i> Linn. <b>2013</b> , 61, 5361-70	85
1382	Phenolic Compounds: Introduction. <b>2013</b> , 1543-1580	77
1381	Impact of cell wall composition on maize resistance to pests and diseases. <b>2013</b> , 14, 6960-80	78
1380	The Synthesis, Regulation and Modification of Lignocellulosic Biomass as a Resource for Biofuels and Bioproducts. <b>2013</b> , 281-314	2
1379	Novel use of oil palm empty fruit bunch's lignin derivatives for production of linerboard coating. <b>2013</b> , 76, 999-1005	6
1378	A Myb transcription factor regulates genes of the phenylalanine pathway in maritime pine. <b>2013</b> , 74, 755-66	52
1377	Oxidative upgrade of lignin [Recent routes reviewed. <b>2013</b> , 49, 1151-1173	331
1376	Xylem Development in Trees: From Cambial Divisions to Mature Wood Cells. <b>2013</b> , 3-39	27
1375	Role of lignin in a biorefinery: separation characterization and valorization. <b>2013</b> , 88, 346-352	106
1374	Effects of pyrolysis temperature on the chemical composition of refined softwood and hardwood lignins. <b>2013</b> , 60, 531-537	36

1373	Breeding with rare defective alleles (BRDA): a natural <i>Populus nigra</i> HCT mutant with modified lignin as a case study. <b>2013</b> , 198, 765-776	73
1372	Preparation and characterization of Kraft lignin-based moisture-responsive films with reversible shape-change capability. <b>2013</b> , 14, 2354-63	59
1371	Discovery of pinoresinol reductase genes in sphingomonads. <b>2013</b> , 52, 38-43	24
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1369	High CO <sub>2</sub> effects on postharvest biochemical and textural properties of white asparagus ( <i>Asparagus officinalis</i> L.) spears. <b>2013</b> , 75, 45-53	22
1368	Visualization of plant cell wall lignification using fluorescence-tagged monolignols. <b>2013</b> , 76, 357-66	60
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1366	Quantitative HSQC Analyses of Lignin: A Practical Comparison. <b>2013</b> , 6, e201303016	48
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1362	Lignocellulosic Materials. <b>2013</b> , 19-59	1
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1360	Lignification in sugarcane: biochemical characterization, gene discovery, and expression analysis in two genotypes contrasting for lignin content. <b>2013</b> , 163, 1539-57	82
1359	Eugenol production in achenes and receptacles of strawberry fruits is catalyzed by synthases exhibiting distinct kinetics. <b>2013</b> , 163, 946-58	36
1358	Association of loblolly pine xylem development gene expression with single-nucleotide polymorphisms. <b>2013</b> , 33, 763-74	14
1357	Apoplastic diffusion barriers in Arabidopsis. <b>2013</b> , 11, e0167	95
1356	Acyl-lipid metabolism. <b>2013</b> , 11, e0161	590


1355	Phylogenetic, Molecular, and Biochemical Characterization of Caffeic Acid o-Methyltransferase Gene Family in <i>Brachypodium distachyon</i> . <b>2013</b> , 2013, 423189	17
1354	Biomass for thermochemical conversion: targets and challenges. <b>2013</b> , 4, 218	128
1353	Plant cell wall lignification and monolignol metabolism. <b>2013</b> , 4, 220	166
1352	Towards a carbon-negative sustainable bio-based economy. <b>2013</b> , 4, 174	88
1351	4-coumarate: CoA ligase partitions metabolites for eugenol biosynthesis. <b>2013</b> , 54, 1238-52	46
1350	Austrian pine phenolics are likely contributors to systemic induced resistance against <i>Diplodia pinea</i> . <b>2013</b> , 33, 845-54	30
1349	A cystathionine-synthase domain-containing protein, CBSX2, regulates endothelial secondary cell wall thickening in anther development. <b>2013</b> , 54, 195-208	22
1348	Chemical Pretreatment Techniques for Biofuels and Biorefineries from Softwood. <b>2013</b> , 151-179	8
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1336	Effects of altered lignin biosynthesis on phenylpropanoid metabolism and plant stress. <b>2013</b> , 4, 635-650	43
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1332	Functional characterization of the orthologs of AtNST1/2 in Glycine soja (Fabaceae) and the evolutionary implications. <b>2013</b> , 51, 693-703	4
1331	Evidence from Serpula lacrymans that 2,5-dimethoxyhydroquinone is a lignocellulolytic agent of divergent brown rot basidiomycetes. <b>2013</b> , 79, 2377-83	42
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1320	RICE SALT SENSITIVE3 binding to bHLH and JAZ factors mediates control of cell wall plasticity in the root apex. <b>2013</b> , 8, e26256	11

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1199	Advances in Methods to Improve the Sugarcane Crop as Energy Cane for Biorefinery: An Appraisal. <b>2014</b> , 125-150	
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1185	Mechanisms of catalytic cleavage of benzyl phenyl ether in aqueous and apolar phases. <b>2014</b> , 311, 41-51	92
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1163	Significant enhancement of lignan accumulation in hairy root cultures of <i>Linum album</i> using biotic elicitors. <b>2014</b> , 36, 3325-3331	35
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1155	Regulation of lignin biosynthesis in fruit pericarp hardening of mangosteen ( <i>Garcinia mangostana</i> L.) after impact. <b>2014</b> , 97, 68-76	39
1154	The genome of <i>Eucalyptus grandis</i> . <b>2014</b> , 510, 356-62	497
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