

Shawn D Mansfield

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2478785/publications.pdf>

Version: 2024-02-01

257
papers

16,925
citations

10986

71
h-index

19749

117
g-index

260
all docs

260
docs citations

260
times ranked

14660
citing authors

#	ARTICLE	IF	CITATIONS
1	Exogenous chalcone synthase expression in developing poplar xylem incorporates naringenin into lignins. <i>Plant Physiology</i> , 2022, 188, 984-996.	4.8	14
2	FLA11 and FLA12 glycoproteins fine-tune stem secondary wall properties in response to mechanical stresses. <i>New Phytologist</i> , 2022, 233, 1750-1767.	7.3	27
3	Monolignol export by diffusion down a polymerization-induced concentration gradient. <i>Plant Cell</i> , 2022, 34, 2080-2095.	6.6	30
4	Oxidative enzymes in lignification. <i>Advances in Botanical Research</i> , 2022, , 133-167.	1.1	2
5	Initial wood trait variation overwhelms endophyte community effects for explaining decay trajectories. <i>Functional Ecology</i> , 2022, 36, 1243-1257.	3.6	2
6	Integrating genomic information and productivity and climate-adaptability traits into a regional white spruce breeding program. <i>PLoS ONE</i> , 2022, 17, e0264549.	2.5	7
7	A new approach to zipâ€lignin: 3,4â€dihydroxybenzoate is compatible with lignification. <i>New Phytologist</i> , 2022, 235, 234-246.	7.3	12
8	<i>HBMT1</i> , a BAHD-family monolignol acyltransferase, mediates lignin acylation in poplar. <i>Plant Physiology</i> , 2022, 188, 1014-1027.	4.8	18
9	Metabolite profiling reveals complex relationship between developing xylem metabolism and intra-ring checking in <i>Pinus radiata</i> . <i>Holzforschung</i> , 2022, 76, 120-132.	1.9	2
10	Evolutionary Patterns in Chemical Composition and Biomechanics of Articulated Coralline Algae. <i>Integrative and Comparative Biology</i> , 2022, 62, 652-667.	2.0	5
11	Understanding the Role of <i>Populus</i> <i>ECERIFERUM2</i> -Likes in the Biosynthesis of Very-Long-Chain Fatty Acids for Cuticular Waxes. <i>Plant and Cell Physiology</i> , 2021, 62, 827-838.	3.1	6
12	Opportunities and barriers for biofuel and bioenergy production from poplar. <i>GCB Bioenergy</i> , 2021, 13, 905-913.	5.6	10
13	Variations in cell wall traits impact saccharification potential of <i>Salix famelica</i> and <i>Salix eriocephala</i> . <i>Biomass and Bioenergy</i> , 2021, 148, 106051.	5.7	7
14	Pectin Modification in Seed Coat Mucilage by <i>In Vivo</i> Expression of Rhamnogalacturonan-I- and Homogalacturonan-Degrading Enzymes. <i>Plant and Cell Physiology</i> , 2021, 62, 1912-1926.	3.1	8
15	Tailoring renewable materials via plant biotechnology. <i>Biotechnology for Biofuels</i> , 2021, 14, 167.	6.2	25
16	Cannabis Glandular Trichome Cell Walls Undergo Remodeling to Store Specialized Metabolites. <i>Plant and Cell Physiology</i> , 2021, , .	3.1	12
17	Wood quality trait associations with climate: Room for improvement in two northern commercial tree species?. <i>Forest Ecology and Management</i> , 2021, 497, 119492.	3.2	7
18	ToF-SIMS imaging reveals that <i>p</i> -hydroxybenzoate groups specifically decorate the lignin of fibres in the xylem of poplar and willow. <i>Holzforschung</i> , 2021, 75, 452-462.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Distinct and Overlapping Functions of <i>Miscanthus sinensis</i> MYB Transcription Factors SCM1 and MYB103 in Lignin Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12395.	4.1	5
20	Biotechnological mechanism for improving plant remobilization of phosphorus during leaf senescence. <i>Plant Biotechnology Journal</i> , 2020, 18, 470-478.	8.3	3
21	The Class II KNOX genes <i>KNAT3</i> and <i>KNAT7</i> work cooperatively to influence deposition of secondary cell walls that provide mechanical support to <i>Arabidopsis</i> stems. <i>Plant Journal</i> , 2020, 101, 293-309.	5.7	63
22	Assessing the sensitivities of genomic selection for growth and wood quality traits in lodgepole pine using Bayesian models. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	1.6	30
23	Learning from methylomes: epigenomic correlates of <i>Populus balsamifera</i> traits based on deep learning models of natural DNA methylation. <i>Plant Biotechnology Journal</i> , 2020, 18, 1361-1375.	8.3	11
24	<i>Arabidopsis</i> sucrose synthase localization indicates a primary role in sucrose translocation in phloem. <i>Journal of Experimental Botany</i> , 2020, 71, 1858-1869.	4.8	34
25	Discerning the effects of phosphate status on the metabolism of hybrid poplar. <i>Tree Physiology</i> , 2020, 40, 158-169.	3.1	1
26	Atypical lignification in eastern leatherwood (<i>Dirca palustris</i>). <i>New Phytologist</i> , 2020, 226, 704-713.	7.3	15
27	Wood and Pulping Properties Variation of <i>Acacia crassicarpa</i> A.Cunn. ex Benth. and Sampling Strategies for Accurate Phenotyping. <i>Forests</i> , 2020, 11, 1043.	2.1	5
28	Dwarfism of high δ monolignol <i>Arabidopsis</i> plants is rescued by ectopic LACCASE overexpression. <i>Plant Direct</i> , 2020, 4, e00265.	1.9	17
29	Prediction accuracy of single-step BLUP for growth and wood quality traits in the lodgepole pine breeding program in British Columbia. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	1.6	15
30	Physiological Response of <i>Populus balsamifera</i> and <i>Salix eriocephala</i> to Salinity and Hydraulic Fracturing Wastewater: Potential for Phytoremediation Applications. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7641.	2.6	5
31	CELLULOSE SYNTHASE INTERACTING 1 is required for wood mechanics and leaf morphology in aspen. <i>Plant Journal</i> , 2020, 103, 1858-1868.	5.7	10
32	The uncharacterized gene <i>EVE</i> contributes to vessel element dimensions in <i>Populus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5059-5066.	7.1	11
33	Differences in growth and physiological and metabolic responses among Canadian native and hybrid willows (<i>Salix</i> spp.) under salinity stress. <i>Tree Physiology</i> , 2020, 40, 652-666.	3.1	14
34	An introduction to a Virtual Issue on Wood Biology. <i>New Phytologist</i> , 2020, 225, 1401-1403.	7.3	1
35	Determination of Soluble Carbohydrates. , 2020, , 131-137.		1
36	Extracellular Fungal Hydrolytic Enzyme Activity. , 2020, , 387-395.		0

#	ARTICLE	IF	CITATIONS
37	Passive membrane transport of lignin-related compounds. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23117-23123.	7.1	94
38	Assessing the utility of seed coat-specific promoters to engineer cell wall polysaccharide composition of mucilage. Plant Molecular Biology, 2019, 101, 373-387.	3.9	9
39	Quantitative genetic parameters for growth and wood properties in <i>Eucalyptus × eurograndis</i> hybrid using near-infrared phenotyping and genome-wide SNP-based relationships. PLoS ONE, 2019, 14, e0218747.	2.5	29
40	A systems genetics analysis in <i>Eucalyptus</i> reveals coordination of metabolic pathways associated with xylan modification in wood-forming tissues. New Phytologist, 2019, 223, 1952-1972.	7.3	10
41	Imaging Changes in Cell Walls of Engineered Poplar by Stimulated Raman Scattering and Atomic Force Microscopy. ACS Sustainable Chemistry and Engineering, 2019, 7, 10616-10622.	6.7	8
42	A role for <i>SPEECHLESS</i> in the integration of leaf stomatal patterning with the growth vs disease trade-off in poplar. New Phytologist, 2019, 223, 1888-1903.	7.3	25
43	Improving genomic prediction of growth and wood traits in <i>Eucalyptus</i> using phenotypes from non-genotyped trees by single-step GBLUP. Plant Science, 2019, 284, 9-15.	3.6	42
44	RUBY, a Putative Galactose Oxidase, Influences Pectin Properties and Promotes Cell-To-Cell Adhesion in the Seed Coat Epidermis of Arabidopsis. Plant Cell, 2019, 31, 809-831.	6.6	38
45	Near-infrared-based models for lignin syringyl/guaiacyl ratio of <i>Eucalyptus benthamii</i> and <i>E. pellita</i> using a streamlined thioacidolysis procedure as the reference method. Wood Science and Technology, 2019, 53, 521-533.	3.2	10
46	Differences in drought resistance in nine North American hybrid poplars. Trees - Structure and Function, 2019, 33, 1111-1128.	1.9	3
47	Organization of Xylan Production in the Golgi During Secondary Cell Wall Biosynthesis. Plant Physiology, 2019, 181, 527-546.	4.8	18
48	The in vivo impact of MsLAC1, a <i>Miscanthus</i> laccase isoform, on lignification and lignin composition contrasts with its in vitro substrate preference. BMC Plant Biology, 2019, 19, 552.	3.6	16
49	Tailor-made trees: engineering lignin for ease of processing and tomorrow's bioeconomy. Current Opinion in Biotechnology, 2019, 56, 147-155.	6.6	44
50	Analysis of Monosaccharides from Arabidopsis Seed Mucilage and Whole Seeds Using HPAEC-PAD. Bio-protocol, 2019, 9, e3464.	0.4	5
51	Cell wall chemistry and tissue structure underlie shifts in material properties of a perennial kelp. European Journal of Phycology, 2018, 53, 307-317.	2.0	22
52	Assessing the between-background stability of metabolic effects arising from lignin-related transgenic modifications, in two <i>Populus</i> hybrids using non-targeted metabolomics. Tree Physiology, 2018, 38, 378-396.	3.1	9
53	Engineered Lignin in Poplar Biomass Facilitates Cu-Catalyzed Alkaline-Oxidative Pretreatment. ACS Sustainable Chemistry and Engineering, 2018, 6, 2932-2941.	6.7	31
54	Global near infrared spectroscopy models to predict wood chemical properties of <i>Eucalyptus</i> . Journal of Near Infrared Spectroscopy, 2018, 26, 117-132.	1.5	19

#	ARTICLE	IF	CITATIONS
55	Phosphorus storage and resorption in riparian tree species: Environmental applications of poplar and willow. <i>Environmental and Experimental Botany</i> , 2018, 149, 1-8.	4.2	20
56	Exploiting CELLULOSE SYNTHASE (CESA) Class Specificity to Probe Cellulose Microfibril Biosynthesis. <i>Plant Physiology</i> , 2018, 177, 151-167.	4.8	31
57	Overexpression of AtGOLS3 and CsRFS in poplar enhances ROS tolerance and represses defense response to leaf rust disease. <i>Tree Physiology</i> , 2018, 38, 457-470.	3.1	23
58	Complete substitution of a secondary cell wall with a primary cell wall in Arabidopsis. <i>Nature Plants</i> , 2018, 4, 777-783.	9.3	63
59	Patterned Deposition of Xylan and Lignin is Independent from that of the Secondary Wall Cellulose of Arabidopsis Xylem Vessels. <i>Plant Cell</i> , 2018, 30, 2663-2676.	6.6	34
60	Localization of gene expression, tissue specificity of <i>Populus</i> xylosyltransferase genes by isolation and functional characterization of their promoters. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 503-508.	2.3	22
61	Climatic drivers of genotype×environment interactions in lodgepole pine based on multi-environment trial data and a factor analytic model of additive covariance. <i>Canadian Journal of Forest Research</i> , 2018, 48, 835-854.	1.7	17
62	Genetic engineering of trees: progress and new horizons. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018, 54, 341-376.	2.1	47
63	Ecological genomics of variation in bud break phenology and mechanisms of response to climate warming in <i>Populus trichocarpa</i> . <i>New Phytologist</i> , 2018, 220, 300-316.	7.3	40
64	Cellulose synthase complexes display distinct dynamic behaviors during xylem transdifferentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6366-E6374.	7.1	52
65	Network-based integration of systems genetics data reveals pathways associated with lignocellulosic biomass accumulation and processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1195-1200.	7.1	55
66	Wood species identification by near-infrared spectroscopy. <i>International Wood Products Journal</i> , 2017, 8, 32-35.	1.1	17
67	Sexual epigenetics: gender-specific methylation of a gene in the sex determining region of <i>Populus balsamifera</i> . <i>Scientific Reports</i> , 2017, 7, 45388.	3.3	59
68	Defining the Diverse Cell Populations Contributing to Lignification in Arabidopsis Stems. <i>Plant Physiology</i> , 2017, 174, 1028-1036.	4.8	45
69	Factors affecting the accuracy of genomic selection for growth and wood quality traits in an advanced-breeding population of black spruce (<i>Picea mariana</i>). <i>BMC Genomics</i> , 2017, 18, 335.	2.8	92
70	Sexual homomorphism in dioecious trees: extensive tests fail to detect sexual dimorphism in <i>Populus</i> . <i>Scientific Reports</i> , 2017, 7, 1831.	3.3	54
71	Natural acetylation impacts carbohydrate recovery during deconstruction of <i>Populus trichocarpa</i> wood. <i>Biotechnology for Biofuels</i> , 2017, 10, 48.	6.2	40
72	Altering carbon allocation in hybrid poplar (<i>Populus alba</i> × <i>Populus grandidentata</i>) impacts cell wall growth and development. <i>Plant Biotechnology Journal</i> , 2017, 15, 865-878.	8.3	24

#	ARTICLE	IF	CITATIONS
73	Two Complementary Mechanisms Underpin Cell Wall Patterning during Xylem Vessel Development. <i>Plant Cell</i> , 2017, 29, 2433-2449.	6.6	59
74	Exploiting Natural Variation to Uncover an Alkene Biosynthetic Enzyme in Poplar. <i>Plant Cell</i> , 2017, 29, 2000-2015.	6.6	17
75	Chemical Pulping Advantages of Zipped Lignin Hybrid Poplar. <i>ChemSusChem</i> , 2017, 10, 3565-3573.	6.8	45
76	Impact of lignin polymer backbone esters on ionic liquid pretreatment of poplar. <i>Biotechnology for Biofuels</i> , 2017, 10, 101.	6.2	48
77	Suppression of CINNAMOYL-CoA REDUCTASE increases the level of monolignol ferulates incorporated into maize lignins. <i>Biotechnology for Biofuels</i> , 2017, 10, 109.	6.2	32
78	Cambial injury in lodgepole pine (<i>Pinus contorta</i>): mountain pine beetle vs fire. <i>Tree Physiology</i> , 2017, 37, 1611-1621.	3.1	6
79	Near-Infrared Spectroscopic Separation of Green Chain Sub-Alpine Fir Lumber from a Spruce-Pine-Fir Mix. <i>BioResources</i> , 2017, 12, .	1.0	6
80	Elevated temperature and CO ₂ stimulate late season photosynthesis but impair cold hardening in pine. <i>Plant Physiology</i> , 2016, 172, pp.00753.2016.	4.8	16
81	Gene Expression Patterns of Wood Decay Fungi <i>Postia placenta</i> and <i>Phanerochaete chrysosporium</i> Are Influenced by Wood Substrate Composition during Degradation. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4387-4400.	3.1	35
82	Histology and cell wall biochemistry of stone cells in the physical defence of conifers against insects. <i>Plant, Cell and Environment</i> , 2016, 39, 1646-1661.	5.7	33
83	Designer lignins: harnessing the plasticity of lignification. <i>Current Opinion in Biotechnology</i> , 2016, 37, 190-200.	6.6	333
84	Spatially and temporally restricted expression of PtrMYB021 regulates secondary cell wall formation in Arabidopsis. <i>Journal of Plant Biology</i> , 2016, 59, 16-23.	2.1	9
85	Wood microfibril angle variation after drying. <i>Holzforschung</i> , 2016, 70, 485-488.	1.9	8
86	Assessing the wood quality of interior spruce (<i>Picea glauca</i> – <i>P. engelmannii</i>): variation in strength, relative density, microfibril angle, and fiber length. <i>Holzforschung</i> , 2016, 70, 223-234.	1.9	12
87	The Arabidopsis Domain of Unknown Function 1218 (DUF1218) Containing Proteins, MODIFYING WALL LIGNIN-1 and 2 (At1g31720/MWL-1 and At4g19370/MWL-2) Function Redundantly to Alter Secondary Cell Wall Lignin Content. <i>PLoS ONE</i> , 2016, 11, e0150254.	2.5	14
88	Endo- β -1,4-glucanases impact plant cell wall development by influencing cellulose crystallization. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 396-410.	8.5	57
89	Recent Y chromosome divergence despite ancient origin of dioecy in poplars (<i>Populus</i>). <i>Molecular Ecology</i> , 2015, 24, 3243-3256.	3.9	121
90	Variation in Trembling Aspen and White Spruce Wood Quality Grown in Mixed and Single Species Stands in the Boreal Mixedwood Forest. <i>Forests</i> , 2015, 6, 1628-1648.	2.1	0

#	ARTICLE	IF	CITATIONS
91	Evolutionary Quantitative Genomics of <i>Populus trichocarpa</i> . PLoS ONE, 2015, 10, e0142864.	2.5	31
92	Sucrose phosphate synthase and sucrose phosphate phosphatase interact in plants and promote plant growth and biomass accumulation. Journal of Experimental Botany, 2015, 66, 4383-4394.	4.8	76
93	Effects of PHENYLALANINE AMMONIA LYASE (PAL) knockdown on cell wall composition, biomass digestibility, and biotic and abiotic stress responses in <i>Brachypodium</i> . Journal of Experimental Botany, 2015, 66, 4317-4335.	4.8	146
94	Unidirectional Movement of Cellulose Synthase Complexes in Arabidopsis Seed Coat Epidermal Cells Deposit Cellulose Involved in Mucilage Extrusion, Adherence, and Ray Formation. Plant Physiology, 2015, 168, 502-520.	4.8	56
95	Comparative interrogation of the developing xylem transcriptomes of two wood-forming species: <i>Populus trichocarpa</i> and <i>Eucalyptus grandis</i> . New Phytologist, 2015, 206, 1391-1405.	7.3	47
96	HIGHLY METHYL ESTERIFIED SEEDS Is a Pectin Methyl Esterase Involved in Embryo Development? Plant Physiology, 2015, 167, 725-737.	4.8	52
97	Sensitivity of cold acclimation to elevated autumn temperature in field-grown <i>Pinus strobus</i> seedlings. Frontiers in Plant Science, 2015, 6, 165.	3.6	23
98	Naturally p-Hydroxybenzoylated Lignins in Palms. Bioenergy Research, 2015, 8, 934-952.	3.9	99
99	High-resolution genetic mapping of allelic variants associated with cell wall chemistry in <i>Populus</i> . BMC Genomics, 2015, 16, 24.	2.8	106
100	Poplar trees reconfigure the transcriptome and metabolome in response to drought in a genotype- and time-of-day-dependent manner. BMC Genomics, 2015, 16, 329.	2.8	60
101	Tubulin perturbation leads to unexpected cell wall modifications and affects stomatal behaviour in <i>Populus</i> . Journal of Experimental Botany, 2015, 66, 6507-6518.	4.8	20
102	Comparative analysis of plant carbohydrate active enzymes and their role in xylogenesis. BMC Genomics, 2015, 16, 402.	2.8	23
103	Engineering monolignol p-coumarate conjugates into Poplar and Arabidopsis lignins. Plant Physiology, 2015, 169, pp.00815.2015.	4.8	47
104	Non-structural carbohydrates in woody plants compared among laboratories. Tree Physiology, 2015, 35, tpv073.	3.1	163
105	Transcriptional and Hormonal Regulation of Gravitropism of Woody Stems in <i>Populus</i> . Plant Cell, 2015, 27, tpc.15.00531.	6.6	93
106	Visualization of cellulose synthases in Arabidopsis secondary cell walls. Science, 2015, 350, 198-203.	12.6	132
107	Investigating the molecular underpinnings underlying morphology and changes in carbon partitioning during tension wood formation in <i>Eucalyptus</i> . New Phytologist, 2015, 206, 1351-1363.	7.3	27
108	Ploidy Level Affects Important Biomass Traits of Novel Shrub Willow (<i>Salix</i>) Hybrids. Bioenergy Research, 2015, 8, 259-269.	3.9	47

#	ARTICLE	IF	CITATIONS
109	Influence of Populus Genotype on Gene Expression by the Wood Decay Fungus Phanerochaete chrysosporium. Applied and Environmental Microbiology, 2014, 80, 5828-5835.	3.1	28
110	Investigating the drought-stress response of hybrid poplar genotypes by metabolite profiling. Tree Physiology, 2014, 34, 1203-1219.	3.1	84
111	LANDSCAPE GENOMICS OF <i>POPULUS TRICHOCARPA</i> : THE ROLE OF HYBRIDIZATION, LIMITED GENE FLOW, AND NATURAL SELECTION IN SHAPING PATTERNS OF POPULATION STRUCTURE. Evolution; International Journal of Organic Evolution, 2014, 68, 3260-3280.	2.3	88
112	Extensive Functional Pleiotropy of REVOLUTA Substantiated through Forward Genetics. Plant Physiology, 2014, 164, 548-554.	4.8	17
113	Genetics of wood quality attributes in Western Larch. Annals of Forest Science, 2014, 71, 415-424.	2.0	12
114	Cell Wall-Related Proteins of Unknown Function: Missing Links in Plant Cell Wall Development. Plant and Cell Physiology, 2014, 55, 1031-1043.	3.1	25
115	Monoglucosyl Ferulate Transferase Introduces Chemically Labile Linkages into the Lignin Backbone. Science, 2014, 344, 90-93.	12.6	337
116	Geographical and environmental gradients shape phenotypic trait variation and genetic structure in <i>Populus trichocarpa</i> . New Phytologist, 2014, 201, 1263-1276.	7.3	185
117	SALT-SENSITIVE5 Mediates Arabidopsis Seed Coat Mucilage Adherence and Organization through Pectins. Plant Physiology, 2014, 165, 991-1004.	4.8	83
118	Genome-wide association implicates numerous genes underlying ecological trait variation in natural populations of <i>Populus trichocarpa</i> . New Phytologist, 2014, 203, 535-553.	7.3	171
119	Regulation of secondary cell wall biosynthesis by poplar R2R3 MYB transcription factor PtrMYB152 in Arabidopsis. Scientific Reports, 2014, 4, 5054.	3.3	106
120	The developing xylem transcriptome and genome-wide analysis of alternative splicing in Populus trichocarpa (black cottonwood) populations. BMC Genomics, 2013, 14, 359.	2.8	76
121	Development of a green binder system for paper products. BMC Biotechnology, 2013, 13, 28.	3.3	20
122	Genome-wide association mapping for wood characteristics in <i>Populus</i> identifies an array of candidate single nucleotide polymorphisms. New Phytologist, 2013, 200, 710-726.	7.3	158
123	The interacting MYB75 and KNAT7 transcription factors modulate secondary cell wall deposition both in stems and seed coat in Arabidopsis. Planta, 2013, 237, 1199-1211.	3.2	78
124	A 34K SNP genotyping array for <i>Populus trichocarpa</i> : Design, application to the study of natural populations and transferability to other <i>Populus</i> species. Molecular Ecology Resources, 2013, 13, 306-323.	4.8	92
125	Chemical responses to modified lignin composition in tension wood of hybrid poplar (<i>Populus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.1	16
126	Hybrid e-regression and validation soft computing techniques: The case of wood dielectric loss factor. Neurocomputing, 2013, 107, 33-39.	5.9	1

#	ARTICLE	IF	CITATIONS
127	<i>Populus trichocarpa</i> cell wall chemistry and ultrastructure trait variation, genetic control and genetic correlations. <i>New Phytologist</i> , 2013, 197, 777-790.	7.3	100
128	Syringyl-Rich Lignin Renders Poplars More Resistant to Degradation by Wood Decay Fungi. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2560-2571.	3.1	108
129	The <i>anisotropy1</i> D604N Mutation in the Arabidopsis Cellulose Synthase1 Catalytic Domain Reduces Cell Wall Crystallinity and the Velocity of Cellulose Synthase Complexes. <i>Plant Physiology</i> , 2013, 162, 74-85.	4.8	106
130	Neighboring Parenchyma Cells Contribute to <i>Arabidopsis</i> Xylem Lignification, while Lignification of Interfascicular Fibers Is Cell Autonomous. <i>Plant Cell</i> , 2013, 25, 3988-3999.	6.6	138
131	Predicting Douglas-fir wood density by artificial neural networks (ANN) based on progeny testing information. <i>Holzforschung</i> , 2013, 67, 771-777.	1.9	19
132	Network analysis reveals the relationship among wood properties, gene expression levels and genotypes of natural <i>Populus trichocarpa</i> accessions. <i>New Phytologist</i> , 2013, 200, 727-742.	7.3	37
133	Wood Quality and Growth Characterization across Intra- and Inter-Specific Hybrid Aspen Clones. <i>Forests</i> , 2013, 4, 786-807.	2.1	17
134	Association Analysis Identifies <i>Melampsora columbiana</i> Poplar Leaf Rust Resistance SNPs. <i>PLoS ONE</i> , 2013, 8, e78423.	2.5	31
135	Isolation and characterization of galactinol synthases from hybrid poplar. <i>Journal of Experimental Botany</i> , 2012, 63, 2059-2069.	4.8	35
136	Genome resequencing reveals multiscale geographic structure and extensive linkage disequilibrium in the forest tree <i>Populus trichocarpa</i> . <i>New Phytologist</i> , 2012, 196, 713-725.	7.3	173
137	Whole plant cell wall characterization using solution-state 2D NMR. <i>Nature Protocols</i> , 2012, 7, 1579-1589.	12.0	563
138	<i>AtMYB61</i> , an R2R3-MYB transcription factor, functions as a pleiotropic regulator via a small gene network. <i>New Phytologist</i> , 2012, 195, 774-786.	7.3	132
139	Effects on Lignin Structure of Coumarate 3-Hydroxylase Downregulation in Poplar. <i>Bioenergy Research</i> , 2012, 5, 1009-1019.	3.9	65
140	Genetic effects on wood quality traits of plantation-grown white spruce (<i>Picea glauca</i>) and their relationships with growth. <i>Tree Genetics and Genomes</i> , 2012, 8, 303-311.	1.6	20
141	Cellulose factories: advancing bioenergy production from forest trees. <i>New Phytologist</i> , 2012, 194, 54-62.	7.3	82
142	The endo- α -1,4- β -glucanase <i>Korrigan</i> exhibits functional conservation between gymnosperms and angiosperms and is required for proper cell wall formation in gymnosperms. <i>New Phytologist</i> , 2012, 193, 1076-1087.	7.3	31
143	The Class II <i>KNOX</i> gene <i>KNAT7</i> negatively regulates secondary wall formation in <i>Arabidopsis</i> and is functionally conserved in <i>Populus</i> . <i>New Phytologist</i> , 2012, 194, 102-115.	7.3	186
144	Metabolic dynamics during autumn cold acclimation within and among populations of Sitka spruce (<i>Picea sitchensis</i>). <i>New Phytologist</i> , 2012, 194, 192-205.	7.3	54

#	ARTICLE	IF	CITATIONS
145	Designed for deconstruction “ poplar trees altered in cell wall lignification improve the efficacy of bioethanol production. <i>New Phytologist</i> , 2012, 194, 91-101.	7.3	135
146	Enhanced expression of glutamine synthetase (<i>GS1a</i>) confers altered fibre and wood chemistry in field grown hybrid poplar (<i>Populus tremula</i> X <i>alba</i>) (717B4). <i>Plant Biotechnology Journal</i> , 2012, 10, 883-889.	8.3	42
147	Wet-pocket classification in <i>Abies lasiocarpa</i> using spectroscopy in the visible and near infrared range. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 61-67.	2.9	15
148	Clone history shapes <i>Populus</i> drought responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12521-12526.	7.1	170
149	Transgenic <i>Populus</i> Trees for Forest Products, Bioenergy, and Functional Genomics. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 415-434.	5.7	52
150	Application of near-infrared spectroscopy for moisture-based sorting of green hem-fir timber. <i>Journal of Wood Science</i> , 2011, 57, 288-294.	1.9	42
151	Cortical microtubules optimize cell wall crystallinity to drive unidirectional growth in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 66, 915-928.	5.7	107
152	In situ wood quality assessment in Douglas-fir. <i>Tree Genetics and Genomes</i> , 2011, 7, 553-561.	1.6	31
153	Isolation and characterization of hybrid poplar galactinol synthases. <i>BMC Proceedings</i> , 2011, 5, .	1.6	0
154	Significant Alteration of Gene Expression in Wood Decay Fungi <i>Postia placenta</i> and <i>Phanerochaete chrysosporium</i> by Plant Species. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4499-4507.	3.1	106
155	Perturbation of Wood Cellulose Synthesis Causes Pleiotropic Effects in Transgenic Aspen. <i>Molecular Plant</i> , 2011, 4, 331-345.	8.3	86
156	Predicting the strength of <i>Populus</i> spp. clones using artificial neural networks and μ -regression support vector machines (μ -rSVM). <i>Holzforschung</i> , 2011, 65, 855-863.	1.9	12
157	Metabolomics in Poplar. , 2011, , 166-191.		2
158	Support Vector Machines versus Artificial Neural Networks for Wood Dielectric Loss Factor Estimation. <i>International Federation for Information Processing</i> , 2011, , 140-149.	0.4	1
159	Altered sucrose metabolism impacts plant biomass production and flower development. <i>Transgenic Research</i> , 2010, 19, 269-283.	2.4	44
160	Optimized delignification of wood-derived lignocellulosics for improved enzymatic hydrolysis. <i>Biotechnology and Bioengineering</i> , 2010, 106, 884-893.	3.3	28
161	Transcriptome profiles of hybrid poplar (<i>Populus trichocarpa</i> – <i>deltoides</i>) reveal rapid changes in undamaged, systemic sink leaves after simulated feeding by forest tent caterpillar (<i>Malacosoma disstria</i>). <i>New Phytologist</i> , 2010, 188, 787-802.	7.3	48
162	Intraspecific variation in the <i>Populus balsamifera</i> drought transcriptome. <i>Plant, Cell and Environment</i> , 2010, 33, 1742-1755.	5.7	52

#	ARTICLE	IF	CITATIONS
163	Fasciclin-like arabinogalactan proteins: specialization for stem biomechanics and cell wall architecture in <i>Arabidopsis</i> and <i>Eucalyptus</i> . <i>Plant Journal</i> , 2010, 62, 689-703.	5.7	289
164	Characterization and varied expression of a membrane-bound endo- α -1,4-glucanase in hybrid poplar. <i>Plant Biotechnology Journal</i> , 2010, 8, 294-307.	8.3	64
165	Comparative Transcriptome and Secretome Analysis of Wood Decay Fungi <i>Postia placenta</i> and <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 3599-3610.	3.1	237
166	MYB75 Functions in Regulation of Secondary Cell Wall Formation in the <i>Arabidopsis</i> Inflorescence Stem. <i>Plant Physiology</i> , 2010, 154, 1428-1438.	4.8	174
167	Detection of wet-pockets on the surface of <i>Tsuga heterophylla</i> (Raf.) Sarg. by near infrared (NIR) spectroscopy. <i>Holzforschung</i> , 2010, 64, .	1.9	14
168	Subgroup 4 R2R3-MYBs in conifer trees: gene family expansion and contribution to the isoprenoid- and flavonoid-oriented responses. <i>Journal of Experimental Botany</i> , 2010, 61, 3847-3864.	4.8	146
169	Lodgepole pine: the first evidence of seed-based somatic embryogenesis and the expression of embryogenesis marker genes in shoot bud cultures of adult trees. <i>Tree Physiology</i> , 2010, 30, 1469-1478.	3.1	38
170	Wood Formation in <i>Populus</i> . , 2010, , 201-224.		33
171	The Effects on Lignin Structure of Overexpression of Ferulate 5-Hydroxylase in Hybrid Poplar1 \hat{A} . <i>Plant Physiology</i> , 2009, 150, 621-635.	4.8	350
172	Sucrose phosphate synthase expression influences poplar phenology. <i>Tree Physiology</i> , 2009, 29, 937-946.	3.1	60
173	Sucrose synthase affects carbon partitioning to increase cellulose production and altered cell wall ultrastructure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13118-13123.	7.1	337
174	Revisiting the transition between juvenile and mature wood: a comparison of fibre length, microfibril angle and relative wood density in lodgepole pine. <i>Holzforschung</i> , 2009, 63, 449-456.	1.9	45
175	Rapid analysis of poplar lignin monomer composition by a streamlined thioacidolysis procedure and near-infrared reflectance-based prediction modeling. <i>Plant Journal</i> , 2009, 58, 706-714.	5.7	156
176	The <i>Populus</i> homeobox gene <i>ARBORKNOX2</i> regulates cell differentiation during secondary growth. <i>Plant Journal</i> , 2009, 60, 1000-1014.	5.7	124
177	Predicting the regenerative capacity of conifer somatic embryogenic cultures by metabolomics. <i>Plant Biotechnology Journal</i> , 2009, 7, 952-963.	8.3	34
178	Solutions for dissolution engineering cell walls for deconstruction. <i>Current Opinion in Biotechnology</i> , 2009, 20, 286-294.	6.6	83
179	An update on the nomenclature for the cellulose synthase genes in <i>Populus</i> . <i>Trends in Plant Science</i> , 2009, 14, 248-254.	8.8	112
180	Over-expression of an <i>Arabidopsis</i> family A sucrose phosphate synthase (SPS) gene alters plant growth and fibre development. <i>Transgenic Research</i> , 2008, 17, 181-192.	2.4	72

#	ARTICLE	IF	CITATIONS
181	Identification of quantitative trait loci for wood quality and growth across eight full-sib coastal Douglas-fir families. <i>Tree Genetics and Genomes</i> , 2008, 4, 159-170.	1.6	44
182	An AFLP linkage map for Douglas-fir based upon multiple full-sib families. <i>Tree Genetics and Genomes</i> , 2008, 4, 181-191.	1.6	12
183	Heterologous expression and functional characterization of two hybrid poplar cell-wall invertases. <i>Planta</i> , 2008, 228, 1011-1019.	3.2	13
184	Modification of Kraft wood pulp fibre with silica for surface functionalisation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008, 39, 1815-1821.	7.6	7
185	Heritability and phenotypic and genetic correlations of coastal Douglas-fir (<i>Pseudotsuga</i>) Tj ETQq1 1 0.784314 rgBT /Overlap 10 17	1.7	47
186	The Effect of Wood Drying on Crystallinity and Microfibril Angle in Black Spruce(<i>Picea mariana</i>). <i>Journal of Wood Chemistry and Technology</i> , 2008, 28, 167-179.	1.7	17
187	RNAi-mediated suppression of <i>p-coumaroyl-CoA 3-hydroxylase</i> in hybrid poplar impacts lignin deposition and soluble secondary metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4501-4506.	7.1	187
188	Spatial and temporal expression profiling of cell-wall invertase genes during early development in hybrid poplar. <i>Tree Physiology</i> , 2008, 28, 1059-1067.	3.1	13
189	Tracking Monolignols during Wood Development in Lodgepole Pine. <i>Plant Physiology</i> , 2008, 147, 1750-1760.	4.8	79
190	Involvement of <i>Pinus taeda</i> MYB1 and MYB8 in phenylpropanoid metabolism and secondary cell wall biogenesis: a comparative in planta analysis. <i>Journal of Experimental Botany</i> , 2008, 59, 3925-3939.	4.8	183
191	The <i>Arabidopsis MUM2</i> Gene Encodes a β -Galactosidase Required for the Production of Seed Coat Mucilage with Correct Hydration Properties. <i>Plant Cell</i> , 2008, 19, 4007-4021.	6.6	145
192	Perturbed Lignification Impacts Tree Growth in Hybrid Poplar—A Function of Sink Strength, Vascular Integrity, and Photosynthetic Assimilation. <i>Plant Physiology</i> , 2008, 148, 1229-1237.	4.8	133
193	Over-expression of UDP-glucose pyrophosphorylase in hybrid poplar affects carbon allocation. <i>Journal of Experimental Botany</i> , 2007, 58, 4257-4268.	4.8	67
194	Downregulation of Cinnamoyl-Coenzyme A Reductase in Poplar: Multiple-Level Phenotyping Reveals Effects on Cell Wall Polymer Metabolism and Structure. <i>Plant Cell</i> , 2007, 19, 3669-3691.	6.6	352
195	The effects of crown ratio on the transition from juvenile to mature wood production in lodgepole pine in western Canada. <i>Canadian Journal of Forest Research</i> , 2007, 37, 1450-1459.	1.7	50
196	Evaluating the suitability of hybrid poplar clones for the manufacture of oriented strand boards. <i>Holzforschung</i> , 2007, 61, 430-438.	1.9	11
197	Neural network prediction of bending strength and stiffness in western hemlock (<i>Tsuga heterophylla</i>) Tj ETQq1 1 0.784314 rgBT /Overlap 1.9 89	1.9	89
198	Kiln-drying lumber quality of hybrid poplar clones. <i>Holzforschung</i> , 2007, 61, 65-73.	1.9	14

#	ARTICLE	IF	CITATIONS
199	Wood Fiber Quality and Kraft Pulping Efficiencies of Trembling Aspen (<i>Populus tremuloides</i>) Tj ETQq1 1 0.784314 rgBJJ/Overl	1.7	29
200	Metabolite profiling of Douglasâ€šfir (<i>Pseudotsuga menziesii</i>) field trials reveals strong environmental and weak genetic variation. <i>New Phytologist</i> , 2007, 174, 762-773.	7.3	54
201	The cellulose paradox â€” simple molecule, complex biosynthesis. <i>Current Opinion in Plant Biology</i> , 2007, 10, 220-226.	7.1	98
202	Up-regulation of sucrose synthase and UDP-glucose pyrophosphorylase impacts plant growth and metabolism. <i>Plant Biotechnology Journal</i> , 2006, 4, 87-101.	8.3	141
203	Dirigent Proteins in Conifer Defense: Gene Discovery, Phylogeny, and Differential Wound- and Insect-induced Expression of a Family of DIR and DIR-like Genes in Spruce (<i>Picea</i> spp.). <i>Plant Molecular Biology</i> , 2006, 60, 21-40.	3.9	160
204	The <i>Populus</i> homeobox gene ARBORKNOX1 reveals overlapping mechanisms regulating the shoot apical meristem and the vascular cambium. <i>Plant Molecular Biology</i> , 2006, 61, 917-932.	3.9	141
205	Varied growth, biomass and cellulose content in tobacco expressing yeast-derived invertases. <i>Planta</i> , 2006, 224, 1315-1327.	3.2	28
206	Wood dielectric loss factor prediction with artificial neural networks. <i>Wood Science and Technology</i> , 2006, 40, 563-574.	3.2	23
207	Tolerance and adaptation of ethanologenic yeasts to lignocellulosic inhibitory compounds. <i>Biotechnology and Bioengineering</i> , 2006, 93, 1196-1206.	3.3	165
208	The influence of lignin chemistry and ultrastructure on the pulping efficiency of clonal aspen (<i>Populus tremuloides</i> Michx.). <i>Holzforschung</i> , 2006, 60, 111-122.	1.9	48
209	Comparison of lignin deposition in three ectopic lignification mutants. <i>New Phytologist</i> , 2005, 168, 123-140.	7.3	134
210	Global transcript profiling of primary stems from <i>Arabidopsis thaliana</i> identifies candidate genes for missing links in lignin biosynthesis and transcriptional regulators of fiber differentiation. <i>Plant Journal</i> , 2005, 42, 618-640.	5.7	254
211	Colour remediation of pulp mill effluent using purified fungal cellobiose dehydrogenase: Reaction optimisation and mechanism of degradation. <i>Biotechnology and Bioengineering</i> , 2005, 90, 95-106.	3.3	23
212	Overexpression of SIPK in tobacco enhances ozone-induced ethylene formation and blocks ozone-induced SA accumulation. <i>Journal of Experimental Botany</i> , 2005, 56, 2195-2201.	4.8	22
213	The potential of metabolite profiling as a selection tool for genotype discrimination in <i>Populus</i> . <i>Journal of Experimental Botany</i> , 2005, 56, 2807-2819.	4.8	44
214	Determination of Total Carbohydrates. , 2005, , 75-83.		30
215	Determination of Soluble Carbohydrates. , 2005, , 85-90.		1
216	On some physical properties of six aspen clones. <i>Holzforschung</i> , 2005, 59, 54-58.	1.9	8

#	ARTICLE	IF	CITATIONS
217	Light, the circadian clock, and sugar perception in the control of lignin biosynthesis. <i>Journal of Experimental Botany</i> , 2005, 56, 1651-1663.	4.8	137
218	Extractellular Fungal Hydrolytic Enzyme Activity. , 2005, , 239-248.		2
219	Free Amino Acids. , 2005, , 69-74.		1
220	The effects of initial spacing on wood density, fibre and pulp properties in jack pine (<i>Pinus banksiana</i>) Tj ETQq0 0 0 19 BT /Overlock 10 Tf	1.9	44
221	An ethanologenic yeast exhibiting unusual metabolism in the fermentation of lignocellulosic hexose sugars. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 235-244.	3.0	34
222	Effect of initial moisture content and chip size on the bioconversion efficiency of softwood lignocellulosics. <i>Biotechnology and Bioengineering</i> , 2004, 85, 413-421.	3.3	130
223	Characterization of a unique ethanologenic yeast capable of fermenting galactose. <i>Enzyme and Microbial Technology</i> , 2004, 35, 242-253.	3.2	25
224	Optimization of SO ₂ -Catalyzed Steam Pretreatment of Corn Fiber for Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2003, 106, 319-336.	2.9	49
225	Cellulose hydrolysis – the role of monocomponent cellulases in crystalline cellulose degradation. <i>Cellulose</i> , 2003, 10, 159-169.	4.9	70
226	The fermentability of concentrated softwood-derived hemicellulose fractions with and without supplemental cellulose hydrolysates. <i>Enzyme and Microbial Technology</i> , 2003, 33, 757-765.	3.2	31
227	Characterisation of a pine MYB that regulates lignification. <i>Plant Journal</i> , 2003, 36, 743-754.	5.7	304
228	Effect of Oxygen Delignification Operating Parameters on Downstream Enzymatic Hydrolysis of Softwood Substrates. <i>Biotechnology Progress</i> , 2003, 19, 1606-1611.	2.6	10
229	Significant Increases in Pulping Efficiency in C4H-F5H-Transformed Poplars: – Improved Chemical Savings and Reduced Environmental Toxins. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 6178-6183.	5.2	263
230	Applications of Biotechnology in the Forest Products Industry. <i>ACS Symposium Series</i> , 2003, , 2-29.	0.5	8
231	Optimization of SO ₂ -Catalyzed Steam Pretreatment of Corn Fiber for Ethanol Production. , 2003, , 319-335.		2
232	Cellulases: Agents for Fiber Modification or Bioconversion? The effect of substrate accessibility on cellulose enzymatic hydrolyzability. <i>Progress in Biotechnology</i> , 2002, 21, 21-36.	0.2	14
233	The Effects of Recombinant <i>Cellulomonas fimi</i> Î ² -1,4-glycanases on Softwood Kraft Pulp Fibre and Paper Properties. <i>Progress in Biotechnology</i> , 2002, 21, 301-310.	0.2	5
234	Degradation of trilinolein by laccase enzymes. <i>Archives of Biochemistry and Biophysics</i> , 2002, 405, 44-54.	3.0	51

#	ARTICLE	IF	CITATIONS
235	Fast and efficient alkaline peroxide treatment to enhance the enzymatic digestibility of steam-exploded softwood substrates. <i>Biotechnology and Bioengineering</i> , 2002, 77, 678-684.	3.3	138
236	The influence of bark on the fermentation of Douglas-fir whitewood pre-hydrolysates. <i>Applied Microbiology and Biotechnology</i> , 2002, 59, 443-448.	3.6	34
237	Cellular machinery of wood production: differentiation of secondary xylem in <i>Pinus contorta</i> var. <i>latifolia</i> . <i>Planta</i> , 2002, 216, 72-82.	3.2	116
238	SO ₂ -Catalyzed Steam Explosion of Corn Fiber for Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 59-72.	2.9	84
239	Cellulase Adsorption and an Evaluation of Enzyme Recycle During Hydrolysis of Steam-Exploded Softwood Residues. <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 641-654.	2.9	196
240	Enhancing the Enzymatic Hydrolysis of Cellulosic Materials Using Simultaneous Ball Milling. <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 815-832.	2.9	87
241	Enhancing the Enzymatic Hydrolysis of Cellulosic Materials Using Simultaneous Ball Milling. , 2002, , 815-832.		22
242	Cellulase Adsorption and an Evaluation of Enzyme Recycle During Hydrolysis of Steam-Exploded Softwood Residues. , 2002, , 641-654.		1
243	Do Enzymatic Hydrolyzability and Simons' Stain Reflect the Changes in the Accessibility of Lignocellulosic Substrates to Cellulase Enzymes?. <i>Biotechnology Progress</i> , 2001, 17, 1049-1054.	2.6	143
244	Enzymatic Treatment of Mechanical Pulp Fibers for Improving Papermaking Properties. <i>Biotechnology Progress</i> , 2000, 16, 1025-1029.	2.6	59
245	The effect of fiber characteristics on hydrolysis and cellulase accessibility to softwood substrates. <i>Enzyme and Microbial Technology</i> , 1999, 25, 644-650.	3.2	92
246	Substrate and Enzyme Characteristics that Limit Cellulose Hydrolysis. <i>Biotechnology Progress</i> , 1999, 15, 804-816.	2.6	702
247	Characterization of endoglucanases from the brown rot fungi <i>Gloeophyllum sepiarium</i> and <i>Gloeophyllum trabeum</i> . <i>Enzyme and Microbial Technology</i> , 1998, 23, 133-140.	3.2	71
248	The effect of initial pore volume and lignin content on the enzymatic hydrolysis of softwoods. <i>Bioresource Technology</i> , 1998, 64, 113-119.	9.6	376
249	Effect of endoglucanases and hemicellulases in magnetic and flotation deinking of xerographic and laser-printed papers. <i>Journal of Biotechnology</i> , 1998, 65, 209-215.	3.8	63
250	The Synergistic Effects of Endoglucanase and Xylanase in Modifying Douglas Fir Kraft Pulp. <i>ACS Symposium Series</i> , 1998, , 75-87.	0.5	6
251	Analysis of Molecular Size Distributions of Cellulose Molecules during Hydrolysis of Cellulose by Recombinant <i>Cellulomonas fimi</i> β -1,4-Glucanases. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2374-2379.	3.1	36
252	Physical characterization of enzymatically modified kraft pulp fibers. <i>Journal of Biotechnology</i> , 1997, 57, 205-216.	3.8	59

#	ARTICLE	IF	CITATIONS
253	Cellobiose dehydrogenase, an active agent in cellulose depolymerization. Applied and Environmental Microbiology, 1997, 63, 3804-3809.	3.1	69
254	Xylanase prebleaching of fractions of Douglas-fir kraft pulp of different fibre length. Applied Microbiology and Biotechnology, 1996, 46, 319-326.	3.6	12
255	Molecular Mass Distribution of Materials Solubilized by Xylanase Treatment of Douglas-Fir Kraft Pulp. ACS Symposium Series, 1996, , 44-62.	0.5	1
256	Xylanase prebleaching of fractions of Douglas-fir kraft pulp of different fibre length. Applied Microbiology and Biotechnology, 1996, 46, 319-326.	3.6	0
257	Seasonal variation of fungal biomass in the sediment of a salt marsh in New Brunswick. Microbial Ecology, 1993, 26, 37-45.	2.8	22