Geoffrey Daniel

List of Publications by Year
in descending order

182 papers	6,077 citations	66315 42 h-index	95218 68 g-index
188 all docs	188 docs citations	188 times ranked	7875 citing authors

#	Article	IF	Citations
1	The contribution of G-layer glucose in Salix clones for biofuels: comparative enzymatic and HPLC analysis of stem cross sections. , 2022, 15, 25.		1
2	Î³-Tubulin Complexes and Fibrillar Arrays: Two Conserved High Molecular Forms with Many Cellular Functions. Cells, 2021, 10, 776.	1.8	3
3	Enzymatic hydrolysis of the gelatinous layer in tension wood of Salix varieties as a measure of accessible cellulose for biofuels. Biotechnology for Biofuels, 2021, 14, 141.	6.2	7
4	Evaluation of Wood Quality Traits in SalixÂviminalis Useful for Biofuels: Characterization and Method Development. Forests, 2021, 12, 1048.	0.9	6
5	Palmdelphin Regulates Nuclear Resilience to Mechanical Stress in the Endothelium. Circulation, 2021, 144, 1629-1645.	1.6	13
6	Comparison of the Decay Behavior of Two White-Rot Fungi in Relation to Wood Type and Exposure Conditions. Microorganisms, 2020, 8, 1931.	1.6	35
7	Microstructural and carbohydrate compositional changes induced by enzymatic saccharification of green seaweed from West Africa. Algal Research, 2020, 47, 101894.	2.4	7
8	Energy calibration via correlation using an adaptive mesh refinement. EPJ Web of Conferences, 2020, 225, 01003.	0.1	5
9	Titanium phosphonate oxo-alkoxide â€œclustersâ€: solution stability and facile hydrolytic transformation into nano titania. RSC Advances, 2020, 10, 6873-6883.	1.7	16
10	Removal of Diclofenac, Paracetamol, and Carbamazepine from Model Aqueous Solutions by Magnetic Solâ€“Gel Encapsulated Horseradish Peroxidase and Lignin Peroxidase Composites. Nanomaterials, 2020, 10, 282.	1.9	39
11	Development of fibre properties in mill scale high- and low consistency refining of thermomechanical pulp (Part 1). Nordic Pulp and Paper Research Journal, 2020, 35, 589-599.	0.3	2
12	Method for characterizing extracellular proteins from the cell wall proteome of the copper tolerant fungus Phialophora malorum. International Biodeterioration and Biodegradation, 2019, 144, 104769.	1.9	4
13	Distribution of lignin, pectins and hemicelluloses in tension wood fibers of European ash (Fraxinus) Tj ETQq1 1 0.784314 rgBT /Overlo	2.7	3
14	Microstructure and compressive strength of gypsum-bonded composites with papers, paperboards and Tetra Pak recycled materials. Journal of Wood Science, 2019, 65, .	0.9	13
15	Copper tolerance of the soft-rot fungus Phialophora malorum grown in-vitro revealed by microscopy and global protein expression. International Biodeterioration and Biodegradation, 2019, 137, 147-152.	1.9	7
16	Elucidating field retting mechanisms of hemp fibres for biocomposites: Effects of microbial actions and interactions on the cellular micro-morphology and ultrastructure of hemp stems and bast fibres. BioResources, 2019, 14, 4047-4084.	0.5	15
17	Localization of xyloglucan epitopes in the gelatinous layer of developing and mature gelatinous fibers of European aspen (Populus tremula L.) tension wood. BioResources, 2019, 14, 7675-7686.	0.5	6
18	Î³-Tubulin has a conserved intrinsic property of self-polymerization into double stranded filaments and fibrillar networks. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 734-748.	1.9	19

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19	Second generation of portable gamma camera based on Caliste CdTe hybrid technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 338-342.	0.7	19
20	Heterogeneous distribution of pectin and hemicellulose epitopes in the phloem of four hardwood species. Trees - Structure and Function, 2018, 32, 393-414.	0.9	4
21	Effect of thermal modification on the durability and decay patterns of hardwoods and softwoods exposed to soft rot fungi. International Biodeterioration and Biodegradation, 2018, 127, 35-45.	1.9	15
22	Comparative Wood Anatomy and Chemical Composition of Millettia mossambicensis and Millettia stuhlmannii from Mozambique. BioResources, 2018, 13, 3335-3345.	0.5	2
23	Effect of thermal modification on the micromorphology of decay of hardwoods and softwoods by the white rot fungus Pycnoporus sanguineus. Holzforschung, 2018, 72, 797-811.	0.9	5
24	Basic Medium Heterogeneous Solution Synthesis of Î±-MnO2 Nanoflakes as an Anode or Cathode in Half Cell Configuration (vs. Lithium) of Li-Ion Batteries. Nanomaterials, 2018, 8, 608.	1.9	18
25	Comparison of traditional field retting and Phlebia radiata Cel 26 retting of hemp fibres for fibre-reinforced composites. AMB Express, 2017, 7, 58.	1.4	38
26	Does copper tolerance provide a competitive advantage for degrading copper treated wood by soft rot fungi?. International Biodeterioration and Biodegradation, 2017, 117, 105-114.	1.9	11
27	Immunolocalization of pectin and hemicellulose epitopes in the phloem of Norway spruce and Scots pine. Trees - Structure and Function, 2017, 31, 1335-1353.	0.9	13
28	Modification of the nanostructure of lignocellulose cell walls via a non-enzymatic lignocellulose deconstruction system in brown rot wood-decay fungi. Biotechnology for Biofuels, 2017, 10, 179.	6.2	83
29	Fungal Degradation of Wood Cell Walls. , 2016, , 131-167.		33
30	A Viable Electrode Material for Use in Microbial Fuel Cells for Tropical Regions. Energies, 2016, 9, 35.	1.6	19
31	Microscope Techniques for Understanding Wood Cell Structure and Biodegradation. , 2016, , 309-343.		6
32	VARIATIONS IN CELL WALL ULTRASTRUCTURE AND CHEMISTRY IN CELL TYPES OF EARLYWOOD AND LATEWOOD IN ENGLISH OAK (QUERCUS ROBUR). IAWA Journal, 2016, 37, 383-401.	2.7	10
33	DISTRIBUTION OF PHENOLIC COMPOUNDS, PECTINS AND HEMICELLULOSES IN MATURE PIT MEMBRANES AND ITS VARIATION BETWEEN PIT TYPES IN ENGLISH OAK XYLEM (QUERCUS ROBUR). IAWA Journal, 2016, 37, 402-419.	2.7	4
34	Effect of pectin and hemicellulose removal from hemp fibres on the mechanical properties of unidirectional hemp/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2016, 90, 724-735.	3.8	63
35	Pushing the theoretical capacity limits of iron oxide anodes: capacity rise of Î³-Fe₂O₃nanoparticles in lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 18107-18115.	5.2	61
36	Controlled retting of hemp fibres: Effect of hydrothermal pre-treatment and enzymatic retting on the mechanical properties of unidirectional hemp/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2016, 88, 253-262.	3.8	51

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37	Inocula selection in microbial fuel cells based on anodic biofilm abundance of Geobacter sulfurreducens. Chinese Journal of Chemical Engineering, 2016, 24, 379-387.	1.7	13
38	Mechanical properties and decay resistance of Scots pine (Pinus sylvestris L.) sapwood modified by vinyl acetate-epoxidized linseed oil copolymer. Holzforschung, 2016, 70, 885-894.	0.9	4
39	Decay resistance of softwoods and hardwoods thermally modified by the Thermovouto type thermo-vacuum process to brown rot and white rot fungi. Holzforschung, 2016, 70, 877-884.	0.9	27
40	Improved material properties of solution-cast starch films: Effect of varying amylopectin structure and amylose content of starch from genetically modified potatoes. Carbohydrate Polymers, 2015, 130, 388-397.	5.1	44
41	Chemical and ultrastructural changes of ash wood thermally modified using the thermo-vacuum process: I. Histo/cytochemical studies on changes in the structure and lignin chemistry. Holzforschung, 2015, 69, 603-613.	0.9	20
42	Chemical and ultrastructural changes of ash wood thermally modified (TMW) using the thermo-vacuum process: II. Immunocytochemical study of the distribution of noncellulosic polysaccharides. Holzforschung, 2015, 69, 615-625.	0.9	15
43	Phylogenic, molecular and decay analysis ofPhialophoraspecies causing soft rot of wood. International Wood Products Journal, 2015, 6, 189-197.	0.6	2
44	Effect of harvest time and field retting duration on the chemical composition, morphology and mechanical properties of hemp fibers. Industrial Crops and Products, 2015, 69, 29-39.	2.5	141
45	Novel hydrophobization of wood by epoxidized linseed oil. Part 2. Characterization by FTIR spectroscopy and SEM, and determination of mechanical properties and field test performance. Holzforschung, 2015, 69, 179-186.	0.9	11
46	Ultrastructure and immunocytochemistry of degradation in spruce and ash sapwood by the brown rot fungus Postia placenta: Characterization of incipient stages of decay and variation inÂdecayÂprocess. International Biodeterioration and Biodegradation, 2015, 103, 161-178.	1.9	14
47	Infection of Picea abies clones with a homokaryotic isolate of Heterobasidion parviporum under field conditions. Canadian Journal of Forest Research, 2015, 45, 227-235.	0.8	18
48	Novel hydrophobization of wood by epoxidized linseed oil. Part 1. Process description and anti-swelling efficiency of the treated wood. Holzforschung, 2015, 69, 173-177.	0.9	23
49	Cytochemical and immunocytochemical characterization of wood decayed by the white rot fungus Pycnoporus sanguineus I. preferential lignin degradation prior to hemicelluloses in Norway spruce wood. International Biodeterioration and Biodegradation, 2015, 105, 30-40.	1.9	9
50	Cytochemical and immunocytochemical characterization of wood decayed by the white rot fungus Pycnoporus sanguineus II. Degradation of lignin and non-cellulosic polysaccharides in European ash wood. International Biodeterioration and Biodegradation, 2015, 105, 41-50.	1.9	5
51	Characterization and biological depectinization of hemp fibers originating from different stem sections. Industrial Crops and Products, 2015, 76, 880-891.	2.5	51
52	Ordered Network of Interconnected SnO₂ Nanoparticles for Excellent Lithiumâ€ion Storage. Advanced Energy Materials, 2015, 5, 1401289.	10.2	147
53	The saprotrophic wood-degrading abilities of <i>Rigidoporus microporus</i>. Silva Fennica, 2015, 49, .	0.5	12
54	Bamboo (Bambusa vulgaris Schrad.) from Moist Forest and Derived Savanna Locations in South West Nigeria â€“ Properties and Gluability. BioResources, 2015, 10, .	0.5	6

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55	Low dosage sulfite pretreatment in a modern TMP-line. Nordic Pulp and Paper Research Journal, 2015, 30, 591-598.	0.3	4
56	Anatomical and Immunocoverage Observations on SuSy, C4H, and Pectate Lyase Family Protein Down-regulated Aspens Genotypes. BioResources, 2015, 10, .	0.5	1
57	Quantitative Evaluation of Hybrid Aspen Xylem and Immunolabeling Patterns Using Image Analysis and Multivariate Statistics. BioResources, 2015, 10, .	0.5	0
58	Distributional variation of lignin and non-cellulosic polysaccharide epitopes in different pit membranes of Scots pine and Norway spruce seedlings. IAWA Journal, 2014, 35, 407-429.	2.7	9
59	Immunocytochemical studies of axial resin canals. I. Localization of non-cellulosic polysaccharides in epithelium of Norway spruce xylem. IAWA Journal, 2014, 35, 236-252.	2.7	2
60	Chemical and ultrastructural changes in compound middle lamella (CML) regions of softwoods thermally modified by the Termovuoto process. Holzforschung, 2014, 68, 849-859.	0.9	13
61	A comparison of nanoindentation cell wall hardness and Brinell wood hardness in jack pine (Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	18
62	Genotypes of Fraxinus excelsior with different susceptibility to the ash dieback pathogen Hymenoscyphus pseudoalbidus and their response to the phytotoxin viridiol â€“ A metabolomic and microscopic study. Phytochemistry, 2014, 102, 115-125.	1.4	26
63	Fiber- and fine fractions-derived effects on pulp quality as a result of mechanical pulp refining consistency. Wood Science and Technology, 2014, 48, 737-753.	1.4	15
64	General Facile Approach to Transitionâ€Metal Oxides with Highly Uniform Mesoporosity and Their Application as Adsorbents for Heavyâ€Metalâ€Ion Sequestration. Chemistry - A European Journal, 2014, 20, 10732-10736.	1.7	20
65	New product from old reaction: uniform magnetite nanoparticles from iron-mediated synthesis of alkali iodides and their protection from leaching in acidic media. RSC Advances, 2014, 4, 22606-22612.	1.7	23
66	Fungal and Bacterial Biodegradation: White Rots, Brown Rots, Soft Rots, and Bacteria. ACS Symposium Series, 2014, , 23-58.	0.5	35
67	Immunocytochemical studies of axial resin canals. II. Localization of non-cellulosic polysaccharides in epithelium and subsidiary cells of Scots pine. IAWA Journal, 2014, 35, 253-269.	2.7	5
68	Impact of soil transfer between test fields on fungal diversity and wood durability. International Wood Products Journal, 2014, 5, 83-91.	0.6	1
69	Molecular identification and phylogenic analysis by sequencing theÂrDNA of copper-tolerant soft-rot Phialophora spp.. International Biodeterioration and Biodegradation, 2013, 82, 45-52.	1.9	9
70	Autophagy and metacaspase determine the mode of cell death in plants. Journal of Cell Biology, 2013, 203, 917-927.	2.3	142
71	Degradation of Scots pine and beech wood exposed in four test fields used forÂtesting of wood preservatives. International Biodeterioration and Biodegradation, 2013, 79, 20-27.	1.9	14
72	Light and scanning electron microscopy studies of the early infection stages of <scp>H</scp>ymenoscyphus pseudoalbidus on <scp>F</scp>raxinus excelsior. Plant Pathology, 2013, 62, 1294-1301.	1.2	75

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73	Solution equilibrium behind the room-temperature synthesis of nanocrystalline titanium dioxide. Nanoscale, 2013, 5, 3330.	2.8	56
74	Detection and Measurement of Necrosis in Plants. Methods in Molecular Biology, 2013, 1004, 229-248.	0.4	11
75	DEVELOPMENTAL LOCALIZATION OF HOMOGALACTURONAN AND XYLOGLUCAN EPITOPES IN PIT MEMBRANES VARIES BETWEEN PIT TYPES IN TWO POPLAR SPECIES. IAWA Journal, 2013, 34, 245-262.	2.7	17
76	Characterization of fiber development in high- and low-consistency refining of primary mechanical pulp. Holzforschung, 2013, 67, 735-745.	0.9	18
77	Mesoporous Anatase TiO₂ Nanorods as Thermally Robust Anode Materials for Liâ€ion Batteries: Detailed Insight into the Formation Mechanism. Chemistry - A European Journal, 2013, 19, 17439-17444.	1.7	15
78	Surface and internal micro/ultrastructure of TMP fibres produced during high-intensity refining elucidate the development of pulp and paper properties. Holzforschung, 2012, 66, .	0.9	2
79	Immunolocalization of hemicelluloses in Arabidopsis thaliana stem. Part I: temporal and spatial distribution of xylans. Planta, 2012, 236, 1275-1288.	1.6	21
80	Immunolocalization of hemicelluloses in Arabidopsis thaliana stem. Part II: Mannan deposition is regulated by phase of development and its patterns of temporal and spatial distribution differ between cell types. Planta, 2012, 236, 1367-1379.	1.6	13
81	High surface area ordered mesoporous nano-titania by a rapid surfactant-free approach. Journal of Materials Chemistry, 2012, 22, 20374.	6.7	37
82	Pressurised compressive chip pre-treatment of Norway spruce with a mill scale Impressafiner. Nordic Pulp and Paper Research Journal, 2012, 27, 56-62.	0.3	5
83	Spatial and temporal variability of xylan distribution in differentiating secondary xylem of hybrid aspen. Planta, 2012, 235, 1315-1330.	1.6	38
84	Distribution of glucomannans and xylans in poplar xylem and their changes under tension stress. Planta, 2012, 236, 35-50.	1.6	49
85	Automatic measurement of compression wood cell attributes in fluorescence microscopy images. Journal of Microscopy, 2012, 246, 298-308.	0.8	4
86	Fructokinase is required for carbon partitioning to cellulose in aspen wood. Plant Journal, 2012, 70, 967-977.	2.8	64
87	LOSS OF STRENGTH IN BIOLOGICALLY DEGRADED THERMALLY MODIFIED WOOD. BioResources, 2012, 7, .	0.5	7
88	Impact of Drying on the Quality of Bamboo Kraft Pulps. BioResources, 2012, 8, .	0.5	2
89	Screening of Phlebiopsis gigantea isolates for traits associated with biocontrol of the conifer pathogen Heterobasidion annosum. Biological Control, 2011, 57, 118-129.	1.4	18
90	Fundamental understanding of pulp property development under different thermomechanical pulp refining conditions as observed by a new Simonsâ€™ staining method and SEM observation of the ultrastructure of fibre surfaces. Holzforschung, 2011, 65, 777-786.	0.9	31

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91	Characterization of spruce thermomechanical pulps at the fiber cell wall level: a method for quantitatively assessing pulp fiber development using Simonsâ€™ stain. Tappi Journal, 2010, 9, 47-55.	0.2	10
92	Wood Anatomy of Three Lesser Known Species from Mozambique. IAWA Journal, 2009, 30, 277-291.	2.7	7
93	TEM/FE-SEM studies on tension wood fibres of Acer spp., Fagus sylvatica L. and Quercus robur L.. Wood Science and Technology, 2009, 43, 691-702.	1.4	37
94	Affinity maturation generates greatly improved xyloglucan-specific carbohydrate binding modules. BMC Biotechnology, 2009, 9, 92.	1.7	24
95	Brown rot decay of copper-chromated-phosphorus impregnated fence poles: Characterization by molecular analyses and microscopy. International Biodeterioration and Biodegradation, 2009, 63, 906-912.	1.9	5
96	Carbonization of wood and nanostructures formed from the cell wall. International Biodeterioration and Biodegradation, 2009, 63, 933-935.	1.9	10
97	Micromorphology and topochemistry of extractives in Scots pine and Norway spruce thermomechanical pulps: a cytochemical approach. Journal of Wood Science, 2008, 54, 134-142.	0.9	11
98	Effect of chitosan on physiological, morphological, and ultrastructural characteristics of wood-degrading fungi. International Biodeterioration and Biodegradation, 2008, 62, 116-124.	1.9	55
99	The Biology and Microscopy of Building Molds: Medical and Molecular Aspects. ACS Symposium Series, 2008, , 182-197.	0.5	0
100	Exploring Scots pine fibre development mechanisms during TMP processing: Impact of cell wall ultrastructure (morphological and topochemical) on negative behaviour. Holzforschung, 2008, 62, .	0.9	16
101	Carbon Nanotubes Produced from Natural Cellulosic Materials. Journal of Nanoscience and Nanotechnology, 2008, 8, 2472-2474.	0.9	50
102	The effect of (induced) dislocations on the tensile properties of individual Norway spruce fibres. Holzforschung, 2008, 62, 77-81.	0.9	26
103	Effect of abnormal fibres on the mechanical properties of paper made from Norway spruce, Picea abies (L.) Karst.. Holzforschung, 2008, 62, 149-153.	0.9	6
104	Decay resistance of wood treated with amino-silicone compounds. Holzforschung, 2008, 62, 112-118.	0.9	38
105	Ultrastructural aspects of fibre development during the stone groundwood process: New insights into derived pulp properties. Holzforschung, 2007, 61, 532-538.	0.9	8
106	Characteristics of Gloeophyllum trabeum Alcohol Oxidase, an Extracellular Source of H 2 O 2 in Brown Rot Decay of Wood. Applied and Environmental Microbiology, 2007, 73, 6241-6253.	1.4	114
107	Analysis of wood tissues by time-of-flight secondary ion mass spectrometry. Holzforschung, 2007, 61, 647-655.	0.9	28
108	Analysis of the Surfaces of Wood Tissues and Pulp Fibers Using Carbohydrate-Binding Modules Specific for Crystalline Cellulose and Mannan. Biomacromolecules, 2007, 8, 91-97.	2.6	26

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109	Imaging of wood tissue by ToF-SIMS: Critical evaluation and development of sample preparation techniques. Applied Surface Science, 2007, 253, 7569-7577.	3.1	46
110	Synthetic xylan-binding modules for mapping of pulp fibres and wood sections. BMC Plant Biology, 2007, 7, 54.	1.6	26
111	Comparison of composites made from fungal defibrated hemp with composites of traditional hemp yarn. Industrial Crops and Products, 2007, 25, 147-159.	2.5	49
112	Biomimetic engineering of cellulose-based materials. Trends in Biotechnology, 2007, 25, 299-306.	4.9	110
113	Chitosan-mediated changes in cell wall composition, morphology and ultrastructure in two wood-inhabiting fungi. Mycological Research, 2007, 111, 875-890.	2.5	31
114	Three-dimensional imaging of a sawn surface: a comparison of confocal microscopy, scanning electron microscopy, and light microscopy combined with serial sectioning. Wood Science and Technology, 2007, 41, 551-564.	1.4	10
115	Hemp Fiber Microstructure and Use of Fungal Defibration to Obtain Fibers for Composite Materials. Journal of Natural Fibers, 2006, 2, 19-37.	1.7	59
116	Iron-reducing capacity of low-molecular-weight compounds produced in wood by fungi. Holzforschung, 2006, 60, 630-636.	0.9	53
117	Morphological and chemical characterisation of the G-layer in tension wood fibres of Populus tremula and Betula verrucosa: Labelling with cellulose-binding module CBM1 Hj Cel7A and fluorescence and FE-SEM microscopy. Holzforschung, 2006, 60, 618-624.	0.9	49
118	Cysteine protease mcII-Pa executes programmed cell death during plant embryogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14463-14468.	3.3	228
119	Dislocations in Norway spruce fibres and their effect on properties of pulp and paper. Holzforschung, 2005, 59, 163-169.	0.9	22
120	Characterization of industrial and laboratory pulp fibres using HCl, Cellulase and FiberMaster analysis. Nordic Pulp and Paper Research Journal, 2005, 20, 115-121.	0.3	24
121	The state and spatial distribution of extractives during birch kraft pulping, as evaluated by staining techniques. Nordic Pulp and Paper Research Journal, 2005, 20, 383-391.	0.3	4
122	Chemoenzymatic modifications of charge in chemithermomechanical wood pulp. Nordic Pulp and Paper Research Journal, 2005, 20, 200-204.	0.3	0
123	Micro-morphological observations on spruce TMP fibre fractions with emphasis on fibre cell wall fibrillation and splitting. Nordic Pulp and Paper Research Journal, 2004, 19, 278-285.	0.3	16
124	SILICA-CAST REPLICAS FOR MORPHOLOGY STUDIES ON SPRUCE AND BIRCH XYLEM. IAWA Journal, 2004, 25, 155-164.	2.7	5
125	Silica Nanocasts of Wood Fibers:Â A Study of Cell-Wall Accessibility and Structure. Biomacromolecules, 2004, 5, 1097-1101.	2.6	38
126	Effects of refining on the fibre structure of kraft pulps as revealed by FE-SEM and TEM: Influence of alkaline degradation. Holzforschung, 2004, 58, 226-232.	0.9	26

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127	Cryo-FE-SEM & TEM immuno-techniques reveal new details for understanding white-rot decay of lignocellulose. Comptes Rendus - Biologies, 2004, 327, 861-871.	0.1	31
128	A bioassay for methylated galacturonan on pulp-fiber surfaces. Biotechnology Letters, 2003, 25, 859-862.	1.1	3
129	Use of a fluorescence labelled, carbohydrate-binding module from Phanerochaete chrysosporium Cel7D for studying wood cell wall ultrastructure. Biotechnology Letters, 2003, 25, 553-558.	1.1	51
130	Assessment of Effects of Chromated Copper Arsenate (CCA)?Treated Timber on Nontarget Epibiota by Investigation of Fouling Community Development at Seven European Sites. Archives of Environmental Contamination and Toxicology, 2003, 45, 37-47.	2.1	13
131	Distribution of methyl-esterified galacturonan in chemical and mechanical pulp fibers. Journal of Wood Science, 2003, 49, 361-365.	0.9	10
132	Microview of Wood under Degradation by Bacteria and Fungi. ACS Symposium Series, 2003, , 34-72.	0.5	52
133	Ultrastructural Localisation of Glucomannan in Kraft Pulp Fibres. Holzforschung, 2003, 57, 62-68.	0.9	16
134	THE STRUCTURAL ORGANISATION OF THE S1 CELL WALL LAYER OF NORWAY SPRUCE TRACHEIDS. IAWA Journal, 2003, 24, 27-40.	2.7	39
135	Industrial Kiln Drying and its Effect on Microstructure, Impregnation and Properties of Scots Pine Timber Impregnated for Above Ground Use. Part 2. Effect of Drying on Microstructure and Some Mechanical Properties of Scots Pine Wood. Holzforschung, 2002, 56, 434-439.	0.9	21
136	Use of Soft Rot Cavities to Determine Microfibril Angles in Wood; Advantages, Disadvantages and Possibilities. Holzforschung, 2002, 56, 468-472.	0.9	8
137	High Variability in the Thickness of the S3 Layer in Pinus radiata Tracheids. Holzforschung, 2002, 56, 111-116.	0.9	13
138	C-3 oxidation of non-reducing sugars by a fungal pyranose dehydrogenase: spectral characterization. Journal of Molecular Catalysis B: Enzymatic, 2002, 17, 91-100.	1.8	29
139	Ultrastructure of the S2 layer in relation to lignin distribution inPinus radiata tracheids. Journal of Wood Science, 2002, 48, 95-98.	0.9	25
140	Fibril angle variability in earlywood of Norway spruce using soft rot cavities and polarization confocal microscopy. Journal of Wood Science, 2002, 48, 255-263.	0.9	38
141	Programmed cell death eliminates all but one embryo in a polyembryonic plant seed. Cell Death and Differentiation, 2002, 9, 1057-1062.	5.0	94
142	Isolation and immunolocalization of a Pinus nigra lectin (PNL) during interaction with the necrotrophsâ€"Heterobasidion annosum and Fusarium avenaceum. Physiological and Molecular Plant Pathology, 2001, 59, 153-163.	1.3	12
143	Screening of basidiomycete fungi for the quinone-dependent sugar C-2/C-3 oxidoreductase, pyranose dehydrogenase, and properties of the enzyme from Macrolepiota rhacodes. Archives of Microbiology, 2001, 176, 178-186.	1.0	37
144	Ultrastructural observations of microbial succession and decay of wood buried at a Bronze Age archaeological site. International Biodeterioration and Biodegradation, 2001, 47, 165-173.	1.9	39

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145	Subcellular localization of Î²-glucosidase in rye, maize and wheat seedlings. Physiologia Plantarum, 2001, 111, 466-472.	2.6	22
146	Title is missing!. Cellulose, 2001, 8, 103-111.	2.4	151
147	Title is missing!. European Journal of Plant Pathology, 2001, 107, 191-207.	0.8	12
148	The S2 Layer in the Tracheid Walls of Picea abies Wood: Inhomogeneity in Lignin Distribution and Cell Wall Microstructure. Holzforschung, 2001, 55, 373-378.	0.9	34
149	Depth of burial, an important factor in controlling bacterial decay of waterlogged archaeological poles. International Biodeterioration and Biodegradation, 2000, 45, 15-26.	1.9	101
150	Deposition of glucuronoxylans on the secondary cell wall of Japanese beech as observed by immuno-scanning electron microscopy. Protoplasma, 2000, 212, 72-79.	1.0	41
151	Use of Soft Rot Fungi for Studies on the Microstructure of Kapok (Ceiba pentandra (L.) Gaertn.) Fibre Cell Walls. Holzforschung, 2000, 54, 229-233.	0.9	13
152	THE DISTRIBUTION OF ACIDIC AND ESTERIFIED PECTIN IN CAMBIUM, DEVELOPING XYLEM AND MATURE XYLEM OF PINUS SYLVESTRIS. IAWA Journal, 2000, 21, 157-168.	2.7	44
153	Changes in surface ultrastructure of Norway spruce fibres during kraft pulping â€“ visualisation by field emission-SEM. Nordic Pulp and Paper Research Journal, 2000, 15, 54-61.	0.3	45
154	The ultrastructure of wood fibre surfaces as shown by a variety of microscopical methods â€“ a review. Nordic Pulp and Paper Research Journal, 1999, 14, 129-139.	0.3	52
155	Microbial decay of waterlogged archaeological wood found in Sweden Applicable to archaeology and conservation. International Biodeterioration and Biodegradation, 1999, 43, 63-73.	1.9	168
156	C-2 and C-3 oxidation of d-Glc, and C-2 oxidation of d-Gal by pyranose dehydrogenase from Agaricus bisporus. Carbohydrate Research, 1998, 310, 151-156.	1.1	33
157	The saprotrophic wood-degrading abilities of Heterobasidium annosum intersterility groups P and S. Mycological Research, 1998, 102, 991-997.	2.5	44
158	Degradation of the Gelatinous Layer in Aspen and Rubberwood by the Blue Stain Fungus Lasiodiplodia Theobromae. IAWA Journal, 1997, 18, 107-115.	2.7	10
159	Electron microscopical observations and chemical analyses supporting Mn uptake in white rot degraded Alstonia and pine wood stakes exposed in acid coniferous soil. Canadian Journal of Microbiology, 1997, 43, 663-671.	0.8	5
160	Low molecular weight chelators and phenolic compounds isolated from wood decay fungi and their role in the fungal biodegradation of wood1This is paper 2084 of the Maine Agricultural and Forest Experiment Station.1. Journal of Biotechnology, 1997, 53, 133-162.	1.9	380
161	Pyranose 2-dehydrogenase, a novel sugar oxidoreductase from the basidiomycete fungus Agaricus bisporus. Archives of Microbiology, 1997, 167, 119-125.	1.0	44
162	Possible Applications of Cellobiose Oxidizing and Other Flavine Adenine Dinucleotide Enzymes in the Pulp and Paper Industry. ACS Symposium Series, 1996, , 297-307.	0.5	9

#	Article	IF	Citations
163	Only C-2 specific glucose oxidase activity is expressed in ligninolytic cultures of the white rot fungus Phanerochaete chrysosporium. Archives of Microbiology, 1996, 165, 421-424.	1.0	34
164	Conversion of d-glucose to d-erythro-hexos-2,3-diulose (2,3-diketo-d-glucose) by enzyme preparations from the basidiomycete Oudemansiella mucida. Carbohydrate Research, 1995, 278, 59-70.	1.1	29
165	Infection and disintegration of vascular tissues of non-suberized roots of spruce byHeterobasidion annosum and use of antibodies for characterizing infection. Mycopathologia, 1995, 129, 91-101.	1.3	7
166	Immunocytochemical localization of pathogenesis-related proteins in roots of Norway spruce infected with Heterobasidion annosum. Forest Pathology, 1995, 25, 169-178.	0.5	18
167	Use of electron microscopy for aiding our understanding of wood biodegradation. FEMS Microbiology Reviews, 1994, 13, 199-233.	3.9	120
168	Defence related reactions of seedling roots of Norway spruce to infection by Heterobasidion annosum (Fr.) Bref.. Physiological and Molecular Plant Pathology, 1994, 45, 1-19.	1.3	67
169	Pyranose Oxidase, a Major Source of H ₂ O ₂ during Wood Degradation by Phanerochaete chrysosporium, Trametes versicolor, and Oudemansiella mucida. Applied and Environmental Microbiology, 1994, 60, 2524-2532.	1.4	182
170	Studies on the infection of Norway spruce roots by Heterobasidion annosum. Canadian Journal of Botany, 1993, 71, 1552-1561.	1.2	38
171	Pyranosone dehydratase from the basidiomycete Phanerochaete chrysosporium: improved purification, and identification of 6-deoxy-d-glucosone and d-xylosone reaction products. Archives of Microbiology, 1993, 160, 27-34.	1.0	22
172	Ultrastructure of the Attack ofEusideroxylon zwageriWood by Tunnelling Bacteria. Holzforschung, 1992, 46, 361-368.	0.9	24
173	Soft rot and multiple T-branching by the basidiomycete Oudemansiella mucida. Mycological Research, 1992, 96, 49-54.	2.5	41
174	Ultrastructural and Immunocytochemical Studies on the H ₂ O ₂ -Producing Enzyme Pyranose Oxidase in Phanerochaete chrysosporium Grown under Liquid Culture Conditions. Applied and Environmental Microbiology, 1992, 58, 3667-3676.	1.4	48
175	Limnoria lignorum ingest bacterial and fungal degraded wood. European Journal of Wood and Wood Products, 1991, 49, 488-490.	1.3	16
176	Pyranose oxidase and pyranosone dehydratase: enzymes responsible for conversion of d-glucose to cortalcerone by the basidiomycete Phanerochaete chrysosporium. Archives of Microbiology, 1991, 156, 297-301.	1.0	44
177	Use of monoclonal antibodies to detect Mn(II)-peroxidase in birch wood degraded by Phanerochaete chrysosporium. Applied Microbiology and Biotechnology, 1991, 35, 674-680.	1.7	21
178	Microscopic evidence for wood cell wall degradation by actinomycetes. European Journal of Wood and Wood Products, 1990, 48, 360-360.	1.3	1
179	Structure and the Aging Process of Dry Archaeological Wood. Advances in Chemistry Series, 1989, , 67-86.	0.6	6
180	Chemistry and Microscopy of Wood Decay by Some Higher Ascomycetes. Holzforschung, 1989, 43, 11-18.	0.9	170

#	Article	IF	Citations
181	Intra- and Extracellular Localization of Lignin Peroxidase during the Degradation of Solid Wood and Wood Fragments by Phanerochaete chrysosporium by Using Transmission Electron Microscopy and Immuno-Gold Labeling. Applied and Environmental Microbiology, 1989, 55, 871-881.	1.4	112
182	Studies on preservative tolerant Phialophora species. International Biodeterioration, 1988, 24, 327-335.	0.2	20