Vincent Bulone

List of Publications by Year
in descending order

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151 papers	8,704 citations	57758 44 h-index	49909 87 g-index
158 all docs	158 docs citations	158 times ranked	11346 citing authors

#	Article	IF	Citations
1	Game-changing alternatives to conventional fungicides: small RNAs and short peptides. Trends in Biotechnology, 2022, 40, 320-337.	9.3	14
2	A biophysical model for plant cell plate maturation based on the contribution of a spreading force. Plant Physiology, 2022, 188, 795-806.	4.8	8
3	The Cellulose <scp>Synthaseâ€Like</scp> <scp> F3 </scp> (<scp> CslF3 </scp>) Gene Mediates Cell Wall Polysaccharide Synthesis and Affects Root Growth and Differentiation in Barley. Plant Journal, 2022, , .	5.7	3
4	Influence of Aqueous Phase Composition on Double Emulsion Stability and Colour Retention of Encapsulated Anthocyanins. Foods, 2022, 11, 34.	4.3	8
5	Identification and spatio-temporal expression analysis of barley genes that encode putative modular xylanolytic enzymes. Plant Science, 2021, 308, 110792.	3.6	0
6	De-glycosylation and enhanced bioactivity of flavonoids from apple pomace during extraction with deep eutectic solvents. Green Chemistry, 2021, 23, 7199-7209.	9.0	16
7	Production of Structurally Defined Chito-Oligosaccharides with a Single N-Acetylation at Their Reducing End Using a Newly Discovered Chitinase from Paenibacillus pabuli. Journal of Agricultural and Food Chemistry, 2021, 69, 3371-3379.	5.2	4
8	Genes That Mediate Starch Metabolism in Developing and Germinated Barley Grain. Frontiers in Plant Science, 2021, 12, 641325.	3.6	12
9	Phylogenomic Analyses of Nucleotide-Sugar Biosynthetic and Interconverting Enzymes Illuminate Cell Wall Composition in Fungi. MBio, 2021, 12, .	4.1	4
10	Full-Length Transcriptome of Thalassiosira weissflogii as a Reference Resource and Mining of Chitin-Related Genes. Marine Drugs, 2021, 19, 392.	4.6	9
11	Auxin Treatment Enhances Anthocyanin Production in the Non-Climacteric Sweet Cherry (Prunus) Tj ETQq1 1 0.784314 rgBT /Overloc	4.1	16
12	Transcriptional and biochemical analyses of gibberellin expression and content in germinated barley grain. Journal of Experimental Botany, 2020, 71, 1870-1884.	4.8	17
13	Analysis of a cellulose synthase catalytic subunit from the oomycete pathogen of crops Phytophthora capsici. Cellulose, 2020, 27, 8551-8565.	4.9	4
14	Identification of Growth Inhibitors of the Fish Pathogen Saprolegnia parasitica Using in silico Subtractive Proteomics, Computational Modeling, and Biochemical Validation. Frontiers in Microbiology, 2020, 11, 571093.	3.5	6
15	Proteomic Analysis Identifies Markers of Exposure to Cadmium Sulphide Quantum Dots (CdS QDs). Nanomaterials, 2020, 10, 1214.	4.1	5
16	Arabidopsis Response Regulator 6 (ARR6) Modulates Plant Cell-Wall Composition and Disease Resistance. Molecular Plant-Microbe Interactions, 2020, 33, 767-780.	2.6	46
17	Extracellular vesicles secreted by Saccharomyces cerevisiae are involved in cell wall remodelling. Communications Biology, 2019, 2, 305.	4.4	106
18	Diversity and evolution of chitin synthases in oomycetes (Straminipila: Oomycota). Molecular Phylogenetics and Evolution, 2019, 139, 106558.	2.7	14

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19	Co-evolution of Enzymes Involved in Plant Cell Wall Metabolism in the Grasses. Frontiers in Plant Science, 2019, 10, 1009.	3.6	26
20	Composition and biosynthetic machinery of the Blumeria graminis f. sp. hordei conidia cell wall. Cell Surface, 2019, 5, 100029.	3.0	7
21	Analysis of cell wall synthesis and metabolism during early germination of Blumeria graminis f. sp. hordei conidial cells induced in vitro. Cell Surface, 2019, 5, 100030.	3.0	11
22	The interaction with fungal cell wall polysaccharides determines the salt tolerance of antifungal plant defensins. Cell Surface, 2019, 5, 100026.	3.0	8
23	Structural analysis and biological activity of cell wall polysaccharides extracted from Panax ginseng marc. International Journal of Biological Macromolecules, 2019, 135, 29-37.	7.5	25
24	Physiology, Metabolism, and Fossilization of Hot-Spring Filamentous Microbial Mats. Astrobiology, 2019, 19, 1442-1458.	3.0	18
25	Stronger cellulose microfibril network structure through the expression of cellulose-binding modules in plant primary cell walls. Cellulose, 2019, 26, 3083-3094.	4.9	11
26	The Rice Actin-Binding Protein RMD Regulates Light-Dependent Shoot Gravitropism. Plant Physiology, 2019, 181, 630-644.	4.8	20
27	Identification and Characterization of the Chitin Synthase Genes From the Fish Pathogen Saprolegnia parasitica. Frontiers in Microbiology, 2019, 10, 2873.	3.5	6
28	Lytic polysaccharide monooxygenase (LPMO) mediated production of ultra-fine cellulose nanofibres from delignified softwood fibres. Green Chemistry, 2019, 21, 5924-5933.	9.0	69
29	A Novel (1,4)-Î²-Linked Glucoxylan Is Synthesized by Members of the Cellulose Synthase-Like F Gene Family in Land Plants. ACS Central Science, 2019, 5, 73-84.	11.3	25
30	Mitochondrial function modulates touch signalling in Arabidopsis thaliana. Plant Journal, 2019, 97, 623-645.	5.7	32
31	Comparative characterization of putative chitin deacetylases from Phaeodactylum tricornutum and Thalassiosira pseudonana highlights the potential for distinct chitinâ€based metabolic processes in diatoms. New Phytologist, 2019, 221, 1890-1905.	7.3	21
32	Functional Characterization of a Glycosyltransferase from the Moss Physcomitrella patens Involved in the Biosynthesis of a Novel Cell Wall Arabinoglucan. Plant Cell, 2018, 30, 1293-1308.	6.6	22
33	Genetic and environmental factors contribute to variation in cell wall composition in mature desi chickpea (Cicer arietinumL.) cotyledons. Plant, Cell and Environment, 2018, 41, 2195-2208.	5.7	23
34	Ssy5 is a signaling serine protease that exhibits atypical biogenesis and marked S1 specificity. Journal of Biological Chemistry, 2018, 293, 8362-8378.	3.4	5
35	Production of functionalised chitins assisted by fungal lytic polysaccharide monooxygenase. Green Chemistry, 2018, 20, 2091-2100.	9.0	30
36	Preparation of 4-Deoxy-<scp>L</scp>-erythro-5-hexoseulose Uronic Acid (DEH) and Guluronic Acid Rich Alginate Using a Unique exo-Alginate Lyase from Thalassotalea crassostreae. Journal of Agricultural and Food Chemistry, 2018, 66, 1435-1443.	5.2	25

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37	Structural Characterization of Fucoidan from Laminaria hyperborea: Assessment of Coagulation and Inflammatory Properties and Their Structureâ€“Function Relationship. ACS Applied Bio Materials, 2018, 1, 1880-1892.	4.6	52
38	Proteomic Analysis of Plasmodesmata From Populus Cell Suspension Cultures in Relation With Callose Biosynthesis. Frontiers in Plant Science, 2018, 9, 1681.	3.6	32
39	Asexual Female Gametogenesis Involves Contact with a Sexually-Fated Megaspore in Apomictic Hieracium. Plant Physiology, 2018, 177, 1027-1049.	4.8	28
40	Quantitative proteomics links metabolic pathways to specific developmental stages of the plantâ€pathogenic oomycete Phytophthora capsici. Molecular Plant Pathology, 2017, 18, 378-390.	4.2	20
41	Proteomic insights into mannan degradation and protein secretion by the forest floor bacterium Chitinophaga pinensis. Journal of Proteomics, 2017, 156, 63-74.	2.4	34
42	Multi-layer mucilage of Plantago ovata seeds: Rheological differences arise from variations in arabinoxylan side chains. Carbohydrate Polymers, 2017, 165, 132-141.	10.2	86
43	Spatially resolved transcriptome profiling in model plant species. Nature Plants, 2017, 3, 17061.	9.3	135
44	The Impact of Steroidal Glycoalkaloids on the Physiology of Phytophthora infestans, the Causative Agent of Potato Late Blight. Molecular Plant-Microbe Interactions, 2017, 30, 531-542.	2.6	25
45	Flexible and Responsive Chiral Nematic Cellulose Nanocrystal/Poly(ethylene glycol) Composite Films with Uniform and Tunable Structural Color. Advanced Materials, 2017, 29, 1701323.	21.0	306
46	Proteomic data on enzyme secretion and activity in the bacterium Chitinophaga pinensis. Data in Brief, 2017, 11, 484-490.	1.0	8
47	Sequential fractionation of feruloylated hemicelluloses and oligosaccharides from wheat bran using subcritical water and xylanolytic enzymes. Green Chemistry, 2017, 19, 1919-1931.	9.0	56
48	Isolation and Structural Characterization of Echinocystic Acid Triterpenoid Saponins from the Australian Medicinal and Food Plant Acacia ligulata. Journal of Natural Products, 2017, 80, 2692-2698.	3.0	15
49	Isolation and structural elucidation by 2D NMR of planteose, a major oligosaccharide in the mucilage of chia (Salvia hispanica L.) seeds. Carbohydrate Polymers, 2017, 175, 231-240.	10.2	36
50	Synthesis and Self-Assembly of Cellulose Microfibrils from Reconstituted Cellulose Synthase. Plant Physiology, 2017, 175, 146-156.	4.8	49
51	Alteration of cell wall xylan acetylation triggers defense responses that counterbalance the immune deficiencies of plants impaired in the Î²â€subunit of the heterotrimeric Gâ€protein. Plant Journal, 2017, 92, 386-399.	5.7	68
52	Sequential extraction and characterization of fucoidans and alginates from Ecklonia radiata, Macrocystis pyrifera, Durvillaea potatorum, and Seirococcus axillaris. Journal of Applied Phycology, 2017, 29, 1515-1526.	2.8	38
53	The Î²â€1,3â€glucanosyltransferases (Gels) affect the structure of the rice blast fungal cell wall during appressoriumâ€mediated plant infection. Cellular Microbiology, 2017, 19, e12659.	2.1	51
54	Quantitative Proteomic Analysis of Four Developmental Stages of Saprolegnia parasitica. Frontiers in Microbiology, 2017, 8, 2658.	3.5	21

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55	Comparative analysis of sterol acquisition in the oomycetes Saprolegnia parasitica and Phytophthora infestans. PLoS ONE, 2017, 12, e0170873.	2.5	27
56	The Oxidosqualene Cyclase from the Oomycete Saprolegnia parasitica Synthesizes Lanosterol as a Single Product. Frontiers in Microbiology, 2016, 7, 1802.	3.5	5
57	Comparative â€œGolgiâ€•Proteome Study of Lolium multiflorum and Populus trichocarpa. Proteomes, 2016, 4, 23.	3.5	6
58	Proteomic Analysis of a Poplar Cell Suspension Culture Suggests a Major Role of Protein S-Acylation in Diverse Cellular Processes. Frontiers in Plant Science, 2016, 7, 477.	3.6	23
59	Computational studies of the binding profile of phosphoinositide PtdIns (3,4,5) P3 with the pleckstrin homology domain of an oomycete cellulose synthase. Scientific Reports, 2016, 6, 20555.	3.3	7
60	Arid awakening: new opportunities for Australian plant natural product research. Rangeland Journal, 2016, 38, 467.	0.9	5
61	Genetics, Transcriptional Profiles, and Catalytic Properties of the UDP-Arabinose Mutase Family from Barley. Biochemistry, 2016, 55, 322-334.	2.5	13
62	The Effects of High Steady State Auxin Levels on Root Cell Elongation in Brachypodium. Plant Cell, 2016, 28, 1009-1024.	6.6	65
63	Carbon Flux and Carbohydrate Gene Families in Pineapple. Tropical Plant Biology, 2016, 9, 200-213.	1.9	8
64	Structural and functional characterization of the microtubule interacting and trafficking domains of two oomycete chitin synthases. FEBS Journal, 2016, 283, 3072-3088.	4.7	7
65	The barley (Hordeum vulgare) cellulose synthaseâ€like D2 gene (HvCslD2) mediates penetration resistance to hostâ€adapted and nonhost isolates of the powdery mildew fungus. New Phytologist, 2016, 212, 421-433.	7.3	52
66	A single heterologously expressed plant cellulose synthase isoform is sufficient for cellulose microfibril formation in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11360-11365.	7.1	80
67	Enzyme-assisted extraction of carbohydrates from the brown alga Ecklonia radiata : Effect of enzyme type, pH and buffer on sugar yield and molecular weight profiles. Process Biochemistry, 2016, 51, 1503-1510.	3.7	62
68	Insight into the adsorption profiles of the Saprolegnia monoica chitin synthase MIT domain on POPA and POPC membranes by molecular dynamics simulation studies. Physical Chemistry Chemical Physics, 2016, 18, 5281-5290.	2.8	11
69	(1,3;1,4)-Î²-Glucan Biosynthesis by the CSLF6 Enzyme: Position and Flexibility of Catalytic Residues Influence Product Fine Structure. Biochemistry, 2016, 55, 2054-2061.	2.5	37
70	A GH115 Î±-glucuronidase from Schizophyllum commune contributes to the synergistic enzymatic deconstruction of softwood glucuronoarabinoxylan. Biotechnology for Biofuels, 2016, 9, 2.	6.2	72
71	Proteomic profile of the plant-pathogenic oomycetePhytophthora capsiciin response to the fungicide pyrimorph. Proteomics, 2015, 15, 2972-2982.	2.2	27
72	Diversity of Aquatic Pseudomonas Species and Their Activity against the Fish Pathogenic Oomycete Saprolegnia. PLoS ONE, 2015, 10, e0136241.	2.5	36

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73	Diverse Nitrogen Sources in Seminal Fluid Act in Synergy To Induce Filamentous Growth of Candida albicans. Applied and Environmental Microbiology, 2015, 81, 2770-2780.	3.1	7
74	Erratum for Belmonte et al., Role of Pathogen-Derived Cell Wall Carbohydrates and Prostaglandin E ₂ in Immune Response and Suppression of Fish Immunity by the Oomycete Saprolegnia parasitica. Infection and Immunity, 2015, 83, 454-454.	2.2	0
75	Lipopeptide biosynthesis in Pseudomonas fluorescens is regulated by the protease complex ClpAP. BMC Microbiology, 2015, 15, 29.	3.3	18
76	Exploiting Mycosporines as Natural Molecular Sunscreens for the Fabrication of UV-Absorbing Green Materials. ACS Applied Materials & Interfaces, 2015, 7, 16558-16564.	8.0	63
77	The pineapple genome and the evolution of CAM photosynthesis. Nature Genetics, 2015, 47, 1435-1442.	21.4	472
78	Multiple-response optimization of the acidic treatment of the brown alga Ecklonia radiata for the sequential extraction of fucoidan and alginate. Bioresource Technology, 2015, 197, 302-309.	9.6	66
79	Impact of microcrystalline cellulose material attributes: A case study on continuous twin screw granulation. International Journal of Pharmaceutics, 2015, 478, 705-717.	5.2	53
80	Deciphering the uniqueness of <scp>M</scp>ucoromycotina cell walls by combining biochemical and phylogenomic approaches. Environmental Microbiology, 2015, 17, 1649-1662.	3.8	51
81	Phenylcoumaran Benzylic Ether Reductase Prevents Accumulation of Compounds Formed under Oxidative Conditions in Poplar Xylem. Plant Cell, 2014, 26, 3775-3791.	6.6	43
82	Endosidin 7 Specifically Arrests Late Cytokinesis and Inhibits Callose Biosynthesis, Revealing Distinct Trafficking Events during Cell Plate Maturation. Plant Physiology, 2014, 165, 1019-1034.	4.8	47
83	Transcript and Metabolite Profiling for the Evaluation of Tobacco Tree and Poplar as Feedstock for the Bio-based Industry. Journal of Visualized Experiments, 2014, , .	0.3	3
84	APP: an Automated Proteomics Pipeline for the analysis of mass spectrometry data based on multiple open access tools. BMC Bioinformatics, 2014, 15, 441.	2.6	20
85	Hot-water extracts from the inner bark of Norway spruce with immunomodulating activities. Carbohydrate Polymers, 2014, 101, 699-704.	10.2	44
86	Role of Pathogen-Derived Cell Wall Carbohydrates and Prostaglandin E ₂ in Immune Response and Suppression of Fish Immunity by the Oomycete Saprolegnia parasitica. Infection and Immunity, 2014, 82, 4518-4529.	2.2	49
87	Dimerization of a flocculent protein fromMoringa oleifera: experimental evidence andin silicointerpretation. Journal of Biomolecular Structure and Dynamics, 2014, 32, 406-415.	3.5	13
88	Accumulation of N-Acetylglucosamine Oligomers in the Plant Cell Wall Affects Plant Architecture in a Dose-Dependent and Conditional Manner Â Â. Plant Physiology, 2014, 165, 290-308.	4.8	25
89	Functional characterization of a tyrosinase gene from the oomycete Saprolegnia parasitica by RNAi silencing. Fungal Biology, 2014, 118, 621-629.	2.5	12
90	Nanocomposites of bacterial cellulose nanofibers and chitin nanocrystals: fabrication, characterization and bactericidal activity. Green Chemistry, 2013, 15, 3404.	9.0	129

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91	Distinctive Expansion of Potential Virulence Genes in the Genome of the Oomycete Fish Pathogen Saprolegnia parasitica. PLoS Genetics, 2013, 9, e1003272.	3.5	221
92	Quantitative Proteomics Reveals that Plasma Membrane Microdomains From Poplar Cell Suspension Cultures Are Enriched in Markers of Signal Transduction, Molecular Transport, and Callose Biosynthesis. Molecular and Cellular Proteomics, 2013, 12, 3874-3885.	3.8	45
93	BcsA and BcsB form the catalytically active core of bacterial cellulose synthase sufficient for in vitro cellulose synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17856-17861.	7.1	211
94	Analyses of Extracellular Carbohydrates in Oomycetes Unveil the Existence of Three Different Cell Wall Types. Eukaryotic Cell, 2013, 12, 194-203.	3.4	122
95	Aphanomyces euteiches Cell Wall Fractions Containing Novel Glucan-Chitosaccharides Induce Defense Genes and Nuclear Calcium Oscillations in the Plant Host Medicago truncatula. PLoS ONE, 2013, 8, e75039.	2.5	41
96	Deciphering the Molecular Functions of Sterols in Cellulose Biosynthesis. Frontiers in Plant Science, 2012, 3, 84.	3.6	42
97	Functional characterization of the pleckstrin homology domain of a cellulose synthase from the oomycete Saprolegnia monoica. Biochemical and Biophysical Research Communications, 2012, 417, 1248-1253.	2.1	9
98	Molecular Structure and Stability of Phospholipid Monolayers Probed by Vibrational Sum Frequency Spectroscopy (VSFS). Biophysical Journal, 2012, 102, 591a.	0.5	2
99	Radiometric and spectrophotometric in vitro assays of glycosyltransferases involved in plant cell wall carbohydrate biosynthesis. Nature Protocols, 2012, 7, 1634-1650.	12.0	32
100	Supported Phospholipid Monolayers. The Molecular Structure Investigated by Vibrational Sum Frequency Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 10617-10629.	3.1	40
101	Callose Biosynthesis Regulates Symplastic Trafficking during Root Development. Developmental Cell, 2011, 21, 1144-1155.	7.0	394
102	A molecular dynamics study of the thermal response of crystalline cellulose Iî². Cellulose, 2011, 18, 207-221.	4.9	39
103	Comparative proteomic profiles of the marine cyanobacterium Trichodesmium erythraeum IMS101 under different nitrogen regimes. Proteomics, 2011, 11, 406-419.	2.2	34
104	The surface structure of well-ordered native cellulose fibrils in contact with water. Carbohydrate Research, 2010, 345, 97-100.	2.3	36
105	Biosynthesis of Callose and Cellulose by Detergent Extracts of Tobacco Cell Membranes and Quantification of the Polymers Synthesized in vitro. Journal of Integrative Plant Biology, 2010, 52, 221-233.	8.5	34
106	What Do We Really Know about Cellulose Biosynthesis in Higher Plants?. Journal of Integrative Plant Biology, 2010, 52, 161-175.	8.5	154
107	Tools for Cellulose Analysis in Plant Cell Walls. Plant Physiology, 2010, 153, 420-426.	4.8	58
108	Chitin Synthases from Saprolegnia Are Involved in Tip Growth and Represent a Potential Target for Anti-Oomycete Drugs. PLoS Pathogens, 2010, 6, e1001070.	4.7	61

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109	Phospholipid Monolayers Probed by Vibrational Sum Frequency Spectroscopy: Instability of Unsaturated Phospholipids. Biophysical Journal, 2010, 98, L50-L52.	0.5	74
110	Cell Wall Polysaccharide Synthases Are Located in Detergent-Resistant Membrane Microdomains in Oomycetes. Applied and Environmental Microbiology, 2009, 75, 1938-1949.	3.1	20
111	Activation of Î²-Glucan Synthases by Wall-Bound Purple Acid Phosphatase in Tobacco Cells Â Â. Plant Physiology, 2009, 150, 1822-1830.	4.8	56
112	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	27.8	1,405
113	Biosynthetic Enzymes for (1,3)-Î²-Glucans and (1,3;1,6)-Î²-Glucans in Protozoans and Chromistans. , 2009, , 233-258.		1
114	Identification of the cellulose synthase genes from the Oomycete Saprolegnia monoica and effect of cellulose synthesis inhibitors on gene expression and enzyme activity. Fungal Genetics and Biology, 2009, 46, 759-767.	2.1	27
115	An update on the nomenclature for the cellulose synthase genes in Populus. Trends in Plant Science, 2009, 14, 248-254.	8.8	112
116	Nanostructured biocomposites based on bacterial cellulosic nanofibers compartmentalized by a soft hydroxyethylcellulose matrix coating. Soft Matter, 2009, 5, 4124.	2.7	83
117	Plasma membrane microdomains from hybrid aspen cells are involved in cell wall polysaccharide biosynthesis. Biochemical Journal, 2009, 420, 93-103.	3.7	46
118	Cell Wall Chitosaccharides Are Essential Components and Exposed Patterns of the Phytopathogenic OomyceteAphanomyces euteiches. Eukaryotic Cell, 2008, 7, 1980-1993.	3.4	77
119	Cellulose Synthesis inPhytophthora infestansIs Required for Normal Appressorium Formation and Successful Infection of Potato. Plant Cell, 2008, 20, 720-738.	6.6	133
120	MAP20, a Microtubule-Associated Protein in the Secondary Cell Walls of Hybrid Aspen, Is a Target of the Cellulose Synthesis Inhibitor 2,6-Dichlorobenzonitrile Â. Plant Physiology, 2008, 148, 1283-1294.	4.8	76
121	Identification and Preliminary Characterization of a New Chemical Affecting Glucosyltransferase Activities Involved in Plant Cell Wall Biosynthesis. Molecular Plant, 2008, 1, 977-989.	8.3	31
122	A survey of cellulose biosynthesis in higher plants. Plant Biotechnology, 2008, 25, 315-322.	1.0	15
123	In Vitro Synthesis and Analysis of Plant (1â†'3)-Î²-d-glucans and Cellulose: A Key Step Towards the Characterization of Glucan Synthases. , 2007, , 123-145.		8
124	Identification of the first Oomycete annexin as a (1â†'3)-Î²-d-glucan synthase activator. Molecular Microbiology, 2006, 62, 552-565.	2.5	23
125	Polymorphism of curdlan and (1â†'3)-Î²-d-glucans synthesized in vitro: A 13C CP-MAS and X-ray diffraction analysis. Carbohydrate Polymers, 2006, 66, 199-207.	10.2	22
126	Cell suspension cultures of Populus tremula Ã— P. tremuloides exhibit a high level of cellulose synthase gene expression that coincides with increased in vitro cellulose synthase activity. Protoplasma, 2006, 228, 221-229.	2.1	26

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127	Immobilisation of oligo-peptidic probes for microarray implementation: Characterisation by FTIR, Atomic Force Microscopy and 2D fluorescence. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 822, 304-310.	2.3	17
128	Synthesis, preliminary characterization, and application of novel surfactants from highly branched xyloglucan oligosaccharides. Glycobiology, 2005, 15, 437-445.	2.5	40
129	Structural characterization by 13C-NMR spectroscopy of products synthesized in vitro by polysaccharide synthases using 13C-enriched glycosyl donors: application to a UDP-glucose:(1->3)-Â-D-glucan synthase from blackberry (Rubus fruticosus). Glycobiology, 2004, 14, 775-781.	2.5	22
130	In vitro synthesis of (13)-–glucan (callose) and cellulose by detergent extracts of membranes from cell suspension cultures of hybrid aspen. Cellulose, 2004, 11, 313-327.	4.9	58
131	In vitro synthesis of a crystalline (1 3,1 4)-beta-d-glucan by a mutated (1 3,1 4)-beta-d-glucanase from Bacillus. Biochemical Journal, 2004, 380, 635-641.	3.7	47
132	Structural and Morphological Diversity of (1â†’3)-Î²-d-Glucans Synthesizedin Vitroby Enzymes fromSaprolegnia monoÃ¯ca. Comparison with a Correspondingin VitroProduct from Blackberry (Rubus) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	47
133	Mutated Barley (1,3)-Î²-d -Glucan Endohydrolases Synthesize Crystalline (1,3)-Î²-d -Glucans. Journal of Biological Chemistry, 2002, 277, 30102-30111.	3.4	79
134	In Vitro Versus in VivoCellulose Microfibrils from Plant Primary Wall Synthases: Structural Differences. Journal of Biological Chemistry, 2002, 277, 36931-36939.	3.4	141
135	Recent Developments in the Field of In Vitro Biosynthesis of Plant Î²-Glucans. ACS Symposium Series, 2002, , 65-77.	0.5	1
136	Biosynthesis of (1â†’3)-Î²-d-glucan (callose) by detergent extracts of a microsomal fraction fromArabidopsis thaliana. FEBS Journal, 2001, 268, 4628-4638.	0.2	58
137	Characterisation of Horse Dander Allergen Glycoproteins Using Amino Acid and Glycan Structure Analyses. International Archives of Allergy and Immunology, 2000, 123, 220-227.	2.1	11
138	The effect of amino acid modifying reagents on the activity of a (1â†’3)-Î²-glucan synthase from Italian ryegrass (Lolium multiflorum) endosperm. Phytochemistry, 1999, 50, 9-15.	2.9	9
139	Separation of horse dander allergen proteins by two-dimensional electrophoresis. Molecular characterisation and identification of Equ c 2.0101 and Equ c 2.0102 as lipocalin proteins. FEBS Journal, 1998, 253, 202-211.	0.2	30
140	A classification of nucleotide-diphospho-sugar glycosyltransferases based on amino acid sequence similarities. Biochemical Journal, 1997, 326, 929-939.	3.7	722
141	A 34-kilodalton polypeptide is associated with 1,3-Î²-ghican synthase activity from the fungus Saprolegnia monoica. FEMS Microbiology Letters, 1996, 140, 145-150.	1.8	0
142	A 34-kilodalton polypeptide is associated with 1,3-ÃŽÂ²-ghican synthase activity from the fungus Saprolegnia monoica. FEMS Microbiology Letters, 1996, 140, 145-150.	1.8	9
143	In vitro synthesis of a microfibrillar (13)-beta-glucan by a ryegrass (Lolium multiflorum) endosperm (13)-beta-glucan synthase enriched by product entrapment. Plant Journal, 1995, 8, 213-225.	5.7	42
144	Synthesis in vitro of crystalline chitin by a solubilized enzyme from the cellulosic fungus Saprolegnia monoica. Journal of General Microbiology, 1993, 139, 2117-2122.	2.3	15

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145	Separation and partial peptide characterization of Î²1â€“3 glucan synthase from Saprolegnia. Plant Science, 1992, 82, 145-153.	3.6	19
146	Characterization of chitin and chitin synthase from the cellulosic cell wall fungusSaprolegnia monoiÂ¨ca. Experimental Mycology, 1992, 16, 8-21.	1.6	58
147	Chitin pleomorphism in the cellulosic cell wall fungusSaprolegnia. FEMS Microbiology Letters, 1992, 100, 405-409.	1.8	5
148	Chitin pleomorphism in the cellulosic cell wall fungus Saprolegnia. FEMS Microbiology Letters, 1992, 100, 405-409.	1.8	8
149	Chitin pleomorphism in the cellulosic cell wall fungus Saprolegnia. FEMS Microbiology Letters, 1992, 100, 405-409.	1.8	0
150	Separation and Partial Purification of 1,3-Î²-Glucan and 1,4-Î²-Glucan Synthases from Saprolegnia. Plant Physiology, 1990, 94, 1748-1755.	4.8	34
151	Bacterial Cellulose-based Biomimetic Composites. , 0, , .		8