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	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	27.8	1,405
2	A classification of nucleotide-diphospho-sugar glycosyltransferases based on amino acid sequence similarities. Biochemical Journal, 1997, 326, 929-939.	3.7	722
3	The pineapple genome and the evolution of CAM photosynthesis. Nature Genetics, 2015, 47, 1435-1442.	21.4	472
4	Callose Biosynthesis Regulates Symplastic Trafficking during Root Development. Developmental Cell, 2011, 21, 1144-1155.	7.0	394
5	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
6	Distinctive Expansion of Potential Virulence Genes in the Genome of the Oomycete Fish Pathogen Saprolegnia parasitica. PLoS Genetics, 2013, 9, e1003272.	3.5	221
7	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
8	What Do We Really Know about Cellulose Biosynthesis in Higher Plants?. Journal of Integrative Plant Biology, 2010, 52, 161-175.	8.5	154
9	In Vitro Versus in VivoCellulose Microfibrils from Plant Primary Wall Synthases: Structural Differences. Journal of Biological Chemistry, 2002, 277, 36931-36939.	3.4	141
10	Spatially resolved transcriptome profiling in model plant species. Nature Plants, 2017, 3, 17061.	9.3	135
11	Cellulose Synthesis inPhytophthora infestansIs Required for Normal Appressorium Formation and Successful Infection of Potato. Plant Cell, 2008, 20, 720-738.	6.6	133
12	Nanocomposites of bacterial cellulose nanofibers and chitin nanocrystals: fabrication, characterization and bactericidal activity. Green Chemistry, 2013, 15, 3404.	9.0	129
13	Analyses of Extracellular Carbohydrates in Oomycetes Unveil the Existence of Three Different Cell Wall Types. Eukaryotic Cell, 2013, 12, 194-203.	3.4	122
14	An update on the nomenclature for the cellulose synthase genes in Populus. Trends in Plant Science, 2009, 14, 248-254.	8.8	112
15	Extracellular vesicles secreted by Saccharomyces cerevisiae are involved in cell wall remodelling. Communications Biology, 2019, 2, 305.	4.4	106
16	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
17	Nanostructured biocomposites based on bacterial cellulosic nanofibers compartmentalized by a soft hydroxyethylcellulose matrix coating. Soft Matter, 2009, 5, 4124.	2.7	83
18	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

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19	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
20	Cell Wall Chitosaccharides Are Essential Components and Exposed Patterns of the Phytopathogenic OomyceteAphanomyces euteiches. Eukaryotic Cell, 2008, 7, 1980-1993.	3.4	77
21	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
22	Phospholipid Monolayers Probed by Vibrational Sum Frequency Spectroscopy: Instability of Unsaturated Phospholipids. Biophysical Journal, 2010, 98, L50-L52.	0.5	74
23	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
24	Lytic polysaccharide monooxygenase (LPMO) mediated production of ultra-fine cellulose nanofibres from delignified softwood fibres. Green Chemistry, 2019, 21, 5924-5933.	9.0	69
25	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
26	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
27	The Effects of High Steady State Auxin Levels on Root Cell Elongation in Brachypodium. Plant Cell, 2016, 28, 1009-1024.	6.6	65
28	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
29	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
30	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
31	Characterization of chitin and chitin synthase from the cellulosic cell wall fungusSaprolegnia monoiÂ¨ca. Experimental Mycology, 1992, 16, 8-21.	1.6	58
32	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
33	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
34	Tools for Cellulose Analysis in Plant Cell Walls. Plant Physiology, 2010, 153, 420-426.	4.8	58
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Synthesis and Self-Assembly of Cellulose Microfibrils from Reconstituted Cellulose Synthase. Plant Physiology, 2017, 175, 146-156.	4.8	49
44	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	49
45	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
46	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
47	Plasma membrane microdomains from hybrid aspen cells are involved in cell wall polysaccharide biosynthesis. Biochemical Journal, 2009, 420, 93-103.	3.7	46
48	Arabidopsis Response Regulator 6 (ARR6) Modulates Plant Cell-Wall Composition and Disease Resistance. Molecular Plant-Microbe Interactions, 2020, 33, 767-780.	2.6	46
49	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
50	Hot-water extracts from the inner bark of Norway spruce with immunomodulating activities. Carbohydrate Polymers, 2014, 101, 699-704.	10.2	44
51	Phenylcoumaran Benzylic Ether Reductase Prevents Accumulation of Compounds Formed under Oxidative Conditions in Poplar Xylem. Plant Cell, 2014, 26, 3775-3791.	6.6	43
52	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
53	Deciphering the Molecular Functions of Sterols in Cellulose Biosynthesis. Frontiers in Plant Science, 2012, 3, 84.	3.6	42
54	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

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55	Synthesis, preliminary characterization, and application of novel surfactants from highly branched xyloglucan oligosaccharides. Glycobiology, 2005, 15, 437-445.	2.5	40
56	Supported Phospholipid Monolayers. The Molecular Structure Investigated by Vibrational Sum Frequency Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 10617-10629.	3.1	40
57	A molecular dynamics study of the thermal response of crystalline cellulose Iβ. Cellulose, 2011, 18, 207-221.	4.9	39
58	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
59	(1,3;1,4)-β-Glucan Biosynthesis by the CSLF6 Enzyme: Position and Flexibility of Catalytic Residues Influence Product Fine Structure. Biochemistry, 2016, 55, 2054-2061.	2.5	37
60	The surface structure of well-ordered native cellulose fibrils in contact with water. Carbohydrate Research, 2010, 345, 97-100.	2.3	36
61	Diversity of Aquatic Pseudomonas Species and Their Activity against the Fish Pathogenic Oomycete Saprolegnia. PLoS ONE, 2015, 10, e0136241.	2.5	36
62	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
63	Separation and Partial Purification of 1,3-β-Glucan and 1,4-β-Glucan Synthases from Saprolegnia. Plant Physiology, 1990, 94, 1748-1755.	4.8	34
64	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
65	Comparative proteomic profiles of the marine cyanobacterium Trichodesmium erythraeum IMS101 under different nitrogen regimes. Proteomics, 2011, 11, 406-419.	2.2	34
66	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
67	Radiometric and spectrophotometric in vitro assays of glycosyltransferases involved in plant cell wall carbohydrate biosynthesis. Nature Protocols, 2012, 7, 1634-1650.	12.0	32
68	Proteomic Analysis of Plasmodesmata From Populus Cell Suspension Cultures in Relation With Callose Biosynthesis. Frontiers in Plant Science, 2018, 9, 1681.	3.6	32
69	Mitochondrial function modulates touch signalling in Arabidopsis thaliana. Plant Journal, 2019, 97, 623-645.	5.7	32
70	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
71	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
72	Production of functionalised chitins assisted by fungal lytic polysaccharide monooxygenase. Green Chemistry, 2018, 20, 2091-2100.	9.0	30

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73	Asexual Female Gametogenesis Involves Contact with a Sexually-Fated Megaspore in Apomictic Hieracium. Plant Physiology, 2018, 177, 1027-1049.	4.8	28
74	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
75	Proteomic profile of the plant-pathogenic oomycetePhytophthora capsiciin response to the fungicide pyrimorph. Proteomics, 2015, 15, 2972-2982.	2.2	27
76	Comparative analysis of sterol acquisition in the oomycetes Saprolegnia parasitica and Phytophthora infestans. PLoS ONE, 2017, 12, e0170873.	2.5	27
77	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
78	Co-evolution of Enzymes Involved in Plant Cell Wall Metabolism in the Grasses. Frontiers in Plant Science, 2019, 10, 1009.	3.6	26
79	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
80	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
81	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
82	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
83	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
84	Identification of the first Oomycete annexin as a (1â†'3)-Î²-d-glucan synthase activator. Molecular Microbiology, 2006, 62, 552-565.	2.5	23
85	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
86	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
87	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
88	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
89	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
90	Quantitative Proteomic Analysis of Four Developmental Stages of Saprolegnia parasitica. Frontiers in Microbiology, 2017, 8, 2658.	3.5	21

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91	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
92	Cell Wall Polysaccharide Synthases Are Located in Detergent-Resistant Membrane Microdomains in Oomycetes. Applied and Environmental Microbiology, 2009, 75, 1938-1949.	3.1	20
93	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
94	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
95	The Rice Actin-Binding Protein RMD Regulates Light-Dependent Shoot Gravitropism. Plant Physiology, 2019, 181, 630-644.	4.8	20
96	Separation and partial peptide characterization of Î²1â€“3 glucan synthase from Saprolegnia. Plant Science, 1992, 82, 145-153.	3.6	19
97	Lipopeptide biosynthesis in Pseudomonas fluorescens is regulated by the protease complex ClpAP. BMC Microbiology, 2015, 15, 29.	3.3	18
98	Physiology, Metabolism, and Fossilization of Hot-Spring Filamentous Microbial Mats. Astrobiology, 2019, 19, 1442-1458.	3.0	18
99	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
100	Transcriptional and biochemical analyses of gibberellin expression and content in germinated barley grain. Journal of Experimental Botany, 2020, 71, 1870-1884.	4.8	17
101	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
102	Auxin Treatment Enhances Anthocyanin Production in the Non-Climacteric Sweet Cherry (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.1	16
103	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
104	A survey of cellulose biosynthesis in higher plants. Plant Biotechnology, 2008, 25, 315-322.	1.0	15
105	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
106	Diversity and evolution of chitin synthases in oomycetes (Straminipila: Oomycota). Molecular Phylogenetics and Evolution, 2019, 139, 106558.	2.7	14
107	Game-changing alternatives to conventional fungicides: small RNAs and short peptides. Trends in Biotechnology, 2022, 40, 320-337.	9.3	14
108	Dimerization of a flocculent protein fromMoringa oleifera: experimental evidence andin silicointerpretation. Journal of Biomolecular Structure and Dynamics, 2014, 32, 406-415.	3.5	13

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109	Genetics, Transcriptional Profiles, and Catalytic Properties of the UDP-Arabinose Mutase Family from Barley. Biochemistry, 2016, 55, 322-334.	2.5	13
110	Functional characterization of a tyrosinase gene from the oomycete Saprolegnia parasitica by RNAi silencing. Fungal Biology, 2014, 118, 621-629.	2.5	12
111	Genes That Mediate Starch Metabolism in Developing and Germinated Barley Grain. Frontiers in Plant Science, 2021, 12, 641325.	3.6	12
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	Full-Length Transcriptome of Thalassiosira weissflogii as a Reference Resource and Mining of Chitin-Related Genes. Marine Drugs, 2021, 19, 392.	4.6	9
120	Bacterial Cellulose-based Biomimetic Composites. , 0, , .		8
121	Carbon Flux and Carbohydrate Gene Families in Pineapple. Tropical Plant Biology, 2016, 9, 200-213.	1.9	8
122	Proteomic data on enzyme secretion and activity in the bacterium Chitinophaga pinensis. Data in Brief, 2017, 11, 484-490.	1.0	8
123	The interaction with fungal cell wall polysaccharides determines the salt tolerance of antifungal plant defensins. Cell Surface, 2019, 5, 100026.	3.0	8
124	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
125	Chitin pleomorphism in the cellulosic cell wall fungus Saprolegnia. FEMS Microbiology Letters, 1992, 100, 405-409.	1.8	8
126	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

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127	Influence of Aqueous Phase Composition on Double Emulsion Stability and Colour Retention of Encapsulated Anthocyanins. Foods, 2022, 11, 34.	4.3	8
128	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
129	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
130	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
131	Composition and biosynthetic machinery of the Blumeria graminis f. sp. hordei conidia cell wall. Cell Surface, 2019, 5, 100029.	3.0	7
132	Comparative â€œGolgiâ€•Proteome Study of Lolium multiflorum and Populus trichocarpa. Proteomes, 2016, 4, 23.	3.5	6
133	Identification and Characterization of the Chitin Synthase Genes From the Fish Pathogen Saprolegnia parasitica. Frontiers in Microbiology, 2019, 10, 2873.	3.5	6
134	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
135	Chitin pleomorphism in the cellulosic cell wall fungusSaprolegnia. FEMS Microbiology Letters, 1992, 100, 405-409.	1.8	5
136	The Oxidosqualene Cyclase from the Oomycete Saprolegnia parasitica Synthesizes Lanosterol as a Single Product. Frontiers in Microbiology, 2016, 7, 1802.	3.5	5
137	Arid awakening: new opportunities for Australian plant natural product research. Rangeland Journal, 2016, 38, 467.	0.9	5
138	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
139	Proteomic Analysis Identifies Markers of Exposure to Cadmium Sulphide Quantum Dots (CdS QDs). Nanomaterials, 2020, 10, 1214.	4.1	5
140	Analysis of a cellulose synthase catalytic subunit from the oomycete pathogen of crops Phytophthora capsici. Cellulose, 2020, 27, 8551-8565.	4.9	4
141	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
142	Phylogenomic Analyses of Nucleotide-Sugar Biosynthetic and Interconverting Enzymes Illuminate Cell Wall Composition in Fungi. MBio, 2021, 12, .	4.1	4
143	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
144	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

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145	Molecular Structure and Stability of Phospholipid Monolayers Probed by Vibrational Sum Frequency Spectroscopy (VSFS). Biophysical Journal, 2012, 102, 591a.	0.5	2
146	Recent Developments in the Field of In Vitro Biosynthesis of Plant Î²-Glucans. ACS Symposium Series, 2002, , 65-77.	0.5	1
147	Biosynthetic Enzymes for (1,3)-Î²-Glucans and (1,3;1,6)-Î²-Glucans in Protozoans and Chromistans. , 2009, , 233-258.		1
148	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
149	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
150	Identification and spatio-temporal expression analysis of barley genes that encode putative modular xylanolytic enzymes. Plant Science, 2021, 308, 110792.	3.6	0
151	Chitin pleomorphism in the cellulosic cell wall fungus Saprolegnia. FEMS Microbiology Letters, 1992, 100, 405-409.	1.8	0