

Filomena A Pettolino

List of Publications by Year in descending order

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47
papers

3,345
citations

186265

28
h-index

223800

46
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48
all docs

48
docs citations

48
times ranked

4616
citing authors

#	ARTICLE	IF	CITATIONS
1	Cotton Breeding in Australia: Meeting the Challenges of the 21st Century. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	7
2	The cell wall polysaccharides of a photosynthetic relative of apicomplexans, <i>Chromera velia</i> . <i>Journal of Phycology</i> , 2021, 57, 1805-1809.	2.3	0
3	Zebularine treatment is associated with deletion of <i>FT1</i> leading to an increase in spikelet number in bread wheat. <i>Plant, Cell and Environment</i> , 2018, 41, 1346-1360.	5.7	36
4	Repeat-length variation in a wheat cellulose synthase-like gene is associated with altered tiller number and stem cell wall composition. <i>Journal of Experimental Botany</i> , 2017, 68, 1519-1529.	4.8	39
5	Structure of cellulose microfibrils in mature cotton fibres. <i>Carbohydrate Polymers</i> , 2017, 175, 450-463.	10.2	74
6	Tissue and cell-specific transcriptomes in cotton reveal the subtleties of gene regulation underlying the diversity of plant secondary cell walls. <i>BMC Genomics</i> , 2017, 18, 539.	2.8	38
7	Oil Accumulation in Transgenic Potato Tubers Alters Starch Quality and Nutritional Profile. <i>Frontiers in Plant Science</i> , 2017, 8, 554.	3.6	18
8	The Endoplasmic Reticulum-Mitochondrion Tether ERMES Orchestrates Fungal Immune Evasion, Illuminating Inflammasome Responses to Hyphal Signals. <i>MSphere</i> , 2016, 1, .	2.9	39
9	<i>GbEXPATR</i> , a species-specific expansin, enhances cotton fibre elongation through cell wall restructuring. <i>Plant Biotechnology Journal</i> , 2016, 14, 951-963.	8.3	83
10	Changes in cell wall polysaccharide composition, gene transcription and alternative splicing in germinating barley embryos. <i>Journal of Plant Physiology</i> , 2016, 191, 127-139.	3.5	11
11	Effect of the native polysaccharide of cashew-nut tree gum exudate on murine peritoneal macrophage modulatory activities. <i>Carbohydrate Polymers</i> , 2015, 125, 241-248.	10.2	34
12	Genetic and DNA Methylation Changes in Cotton (<i>Gossypium</i>) Genotypes and Tissues. <i>PLoS ONE</i> , 2014, 9, e86049.	2.5	56
13	Mitochondrial Sorting and Assembly Machinery Subunit Sam37 in <i>Candida albicans</i> : Insight into the Roles of Mitochondria in Fitness, Cell Wall Integrity, and Virulence. <i>Eukaryotic Cell</i> , 2012, 11, 532-544.	3.4	57
14	Glycan Profiling of Plant Cell Wall Polymers using Microarrays. <i>Journal of Visualized Experiments</i> , 2012, , e4238.	0.3	19
15	Determining the polysaccharide composition of plant cell walls. <i>Nature Protocols</i> , 2012, 7, 1590-1607.	12.0	557
16	Pattern of Deposition of Cell Wall Polysaccharides and Transcript Abundance of Related Cell Wall Synthesis Genes during Differentiation in Barley Endosperm. <i>Plant Physiology</i> , 2012, 159, 655-670.	4.8	50
17	An α -D-(1 \rightarrow 3)-D-galactanase from <i>Streptomyces</i> sp. provides insights into type II arabinogalactan structure. <i>Carbohydrate Research</i> , 2012, 352, 70-81.	2.3	28
18	Overexpression of specific <i>HvCslF</i> cellulose synthase-like genes in transgenic barley increases the levels of cell wall (1,3;1,4)-D-glucans and alters their fine structure. <i>Plant Biotechnology Journal</i> , 2011, 9, 117-135.	8.3	171

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19	The charophycean green algae provide insights into the early origins of plant cell walls. <i>Plant Journal</i> , 2011, 68, 201-211.	5.7	226
20	Cell wall integrity is linked to mitochondria and phospholipid homeostasis in <i>Candida albicans</i> through the activity of the posttranscriptional regulator Ccr4- <i>Pop2</i> . <i>Molecular Microbiology</i> , 2011, 79, 968-989.	2.5	115
21	Pectic polysaccharides from mature orange (<i>Citrus sinensis</i>) fruit albedo cell walls: Sequential extraction and chemical characterization. <i>Carbohydrate Polymers</i> , 2011, 84, 484-494.	10.2	51
22	Cell Wall Modifications in Maize Pulvini in Response to Gravitational Stress. <i>Plant Physiology</i> , 2011, 156, 2155-2171.	4.8	17
23	The Transcriptional Regulator LEUNIG_HOMOLOG Regulates Mucilage Release from the Arabidopsis Testa. <i>Plant Physiology</i> , 2011, 156, 46-60.	4.8	58
24	Effects of Yariv dyes, arabinogalactan-protein binding reagents, on the growth and viability of Brazilian pine suspension culture cells. <i>Trees - Structure and Function</i> , 2010, 24, 391-398.	1.9	10
25	Arabinogalactan-proteins from cell suspension cultures of <i>Araucaria angustifolia</i> . <i>Phytochemistry</i> , 2010, 71, 1400-1409.	2.9	9
26	The Cell Wall Polymers of the Charophycean Green Alga <i>Chara corallina</i> : Immunobinding and Biochemical Screening. <i>International Journal of Plant Sciences</i> , 2010, 171, 345-361.	1.3	21
27	Plant cell walls: the skeleton of the plant world. <i>Functional Plant Biology</i> , 2010, 37, 357.	2.1	161
28	A Customized Gene Expression Microarray Reveals That the Brittle Stem Phenotype <i>fs2</i> of Barley Is Attributable to a Retroelement in the <i>HvCesA4</i> Cellulose Synthase Gene. <i>Plant Physiology</i> , 2010, 153, 1716-1728.	4.8	37
29	A barley cellulose synthase-like CSLH gene mediates (1,3;1,4)- β -glucan synthesis in transgenic <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5996-6001.	7.1	246
30	Hyphal cell walls from the plant pathogen <i>Rhynchosporium secalis</i> contain (1,3/1,6)- β -glucans, galacto- and rhamnmannans, (1,3;1,4)- β -glucans and chitin. <i>FEBS Journal</i> , 2009, 276, 3698-3709.		38
31	Preparation of a new chromogenic substrate to assay for β -galactanases that hydrolyse type II arabino-3,6-galactans. <i>Carbohydrate Research</i> , 2009, 344, 1941-1946.	2.3	7
32	Hpf2 Glycan Structure Is Critical for Protection against Protein Haze Formation in White Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 3308-3315.	5.2	21
33	Mutations to LmlFRD affect cell wall integrity, development and pathogenicity of the ascomycete <i>Leptosphaeria maculans</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 695-706.	2.1	17
34	Characterisation of secreted polysaccharides and (glyco)proteins from suspension cultures of <i>Pyrus communis</i> . <i>Phytochemistry</i> , 2008, 69, 873-881.	2.9	14
35	Mixed-linkage (1 \rightarrow 3),(1 \rightarrow 4)- β -glucan is not unique to the Poales and is an abundant component of <i>Equisetum arvense</i> cell walls. <i>Plant Journal</i> , 2008, 54, 510-521.	5.7	151
36	Cashew-nut tree exudate gum: Identification of an arabinogalactan-protein as a constituent of the gum and use on the stimulation of somatic embryogenesis. <i>Plant Science</i> , 2007, 173, 468-477.	3.6	22

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37	The importance of anatomy and physiology in plant metabolomics. Topics in Current Genetics, 2007, , 253-278.	0.7	4
38	High-throughput mapping of cell-wall polymers within and between plants using novel microarrays. Plant Journal, 2007, 50, 1118-1128.	5.7	286
39	Reducing haziness in white wine by overexpression of <i>Saccharomyces cerevisiae</i> genes YOL155c and YDR055w. Applied Microbiology and Biotechnology, 2007, 73, 1363-1376.	3.6	61
40	Characterization of the structure, expression and function of <i>Pinus radiata</i> D. Don arabinogalactan-proteins. Planta, 2007, 226, 1131-1142.	3.2	30
41	Polysaccharide composition of the fruit juice of <i>Morinda citrifolia</i> (Noni). Phytochemistry, 2006, 67, 1271-1275.	2.9	57
42	Immunoactive Polysaccharide-Rich Fractions from <i>Panax notoginseng</i> . Planta Medica, 2006, 72, 1193-1199.	1.3	16
43	Characterization of cell wall polysaccharides from the medicinal plant <i>Panax notoginseng</i> . Phytochemistry, 2005, 66, 1067-1076.	2.9	22
44	Arabinogalactan Proteins Are Required for Apical Cell Extension in the Moss <i>Physcomitrella patens</i> . Plant Cell, 2005, 17, 3051-3065.	6.6	179
45	Distribution of cell wall components in <i>Sphagnum hyaline</i> cells and in liverwort and hornwort elaters. Planta, 2004, 219, 1023-1035.	3.2	79
46	Application of a mannan-specific antibody for the detection of galactomannans in foods. Food Hydrocolloids, 2002, 16, 551-556.	10.7	9
47	A (1 α 4)- β 2-mannan-specific monoclonal antibody and its use in the immunocytochemical location of galactomannans. Planta, 2001, 214, 235-242.	3.2	64