

# Filomena A Pettolino

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

2,617  
citations

26  
h-index

48  
g-index

48  
ext. papers

3,056  
ext. citations

6  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
46	The cell wall polysaccharides of a photosynthetic relative of apicomplexans, <i>Chromera velia</i> . <i>Journal of Phycology</i> , <b>2021</b> , 57, 1805-1809	3	
45	Zebularine treatment is associated with deletion of FT-B1 leading to an increase in spikelet number in bread wheat. <i>Plant, Cell and Environment</i> , <b>2018</b> , 41, 1346-1360	8.4	17
44	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> , <b>2017</b> , 68, 1519-1529	7	14
43	Structure of cellulose microfibrils in mature cotton fibres. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 450-463	10.3	44
42	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> , <b>2017</b> , 18, 539	4.5	26
41	Oil Accumulation in Transgenic Potato Tubers Alters Starch Quality and Nutritional Profile. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 554	6.2	15
40	Changes in cell wall polysaccharide composition, gene transcription and alternative splicing in germinating barley embryos. <i>Journal of Plant Physiology</i> , <b>2016</b> , 191, 127-39	3.6	10
39	The Endoplasmic Reticulum-Mitochondrion Tether ERMES Orchestrates Fungal Immune Evasion, Illuminating Inflammasome Responses to Hyphal Signals. <i>MSphere</i> , <b>2016</b> , 1,	5	31
38	GbEXPATR, a species-specific expansin, enhances cotton fibre elongation through cell wall restructuring. <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 951-63	11.6	50
37	Effect of the native polysaccharide of cashew-nut tree gum exudate on murine peritoneal macrophage modulatory activities. <i>Carbohydrate Polymers</i> , <b>2015</b> , 125, 241-8	10.3	28
36	Genetic and DNA methylation changes in cotton ( <i>Gossypium</i> ) genotypes and tissues. <i>PLoS ONE</i> , <b>2014</b> , 9, e86049	3.7	43
35	Glycan profiling of plant cell wall polymers using microarrays. <i>Journal of Visualized Experiments</i> , <b>2012</b> , e4238	1.6	17
34	Determining the polysaccharide composition of plant cell walls. <i>Nature Protocols</i> , <b>2012</b> , 7, 1590-607	18.8	402
33	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> , <b>2012</b> , 159, 655-70	6.6	38
32	An exo- $\beta$ (1 $\rightarrow$ 3)-D-galactanase from <i>Streptomyces</i> sp. provides insights into type II arabinogalactan structure. <i>Carbohydrate Research</i> , <b>2012</b> , 352, 70-81	2.9	15
31	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> , <b>2012</b> , 11, 532-44		46
30	Over-expression of specific HvCslF cellulose synthase-like genes in transgenic barley increases the levels of cell wall (1,3;1,4)- $\beta$ -D-glucans and alters their fine structure. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 117-35	11.6	131

29	The charophycean green algae provide insights into the early origins of plant cell walls. <i>Plant Journal</i> , <b>2011</b> , 68, 201-11	6.9	172
28	Cell wall integrity is linked to mitochondria and phospholipid homeostasis in <i>Candida albicans</i> through the activity of the post-transcriptional regulator Ccr4-Pop2. <i>Molecular Microbiology</i> , <b>2011</b> , 79, 968-89	4.1	95
27	Pectic polysaccharides from mature orange ( <i>Citrus sinensis</i> ) fruit albedo cell walls: Sequential extraction and chemical characterization. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 484-494	10.3	44
26	Cell wall modifications in maize pulvini in response to gravitational stress. <i>Plant Physiology</i> , <b>2011</b> , 156, 2155-71	6.6	13
25	The transcriptional regulator LEUNIG_HOMOLOG regulates mucilage release from the <i>Arabidopsis</i> testa. <i>Plant Physiology</i> , <b>2011</b> , 156, 46-60	6.6	46
24	The Cell Wall Polymers of the Charophycean Green Alga <i>Chara corallina</i> : Immunobinding and Biochemical Screening. <i>International Journal of Plant Sciences</i> , <b>2010</b> , 171, 345-361	2.6	13
23	Plant cell walls: the skeleton of the plant world. <i>Functional Plant Biology</i> , <b>2010</b> , 37, 357	2.7	134
22	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> , <b>2010</b> , 153, 1716-28	6.6	28
21	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> , <b>2010</b> , 24, 391-398	2.6	7
20	Arabinogalactan-proteins from cell suspension cultures of <i>Araucaria angustifolia</i> . <i>Phytochemistry</i> , <b>2010</b> , 71, 1400-9	4	7
19	A barley cellulose synthase-like CSLH gene mediates (1,3;1,4)-beta-D-glucan synthesis in transgenic <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 5996-6001	11.5	203
18	Hyphal cell walls from the plant pathogen <i>Rhynchosporium secalis</i> contain (1,3/1,6)-beta-D-glucans, galacto- and rhamnomannans, (1,3;1,4)-beta-D-glucans and chitin. <i>FEBS Journal</i> , <b>2009</b> , 276, 3698-709	5.7	29
17	Preparation of a new chromogenic substrate to assay for beta-galactanases that hydrolyse type II arabino-3,6-galactans. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 1941-6	2.9	5
16	Hpf2 glycan structure is critical for protection against protein haze formation in white wine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3308-15	5.7	17
15	Mutations to LmIFRD affect cell wall integrity, development and pathogenicity of the ascomycete <i>Leptosphaeria maculans</i> . <i>Fungal Genetics and Biology</i> , <b>2009</b> , 46, 695-706	3.9	16
14	Mixed-linkage (1-->3),(1-->4)-beta-D-glucan is not unique to the Poales and is an abundant component of <i>Equisetum arvense</i> cell walls. <i>Plant Journal</i> , <b>2008</b> , 54, 510-21	6.9	133
13	Characterisation of secreted polysaccharides and (glyco)proteins from suspension cultures of <i>Pyrus communis</i> . <i>Phytochemistry</i> , <b>2008</b> , 69, 873-81	4	11
12	The importance of anatomy and physiology in plant metabolomics. <i>Topics in Current Genetics</i> , <b>2007</b> , 253-278		3

11	High-throughput mapping of cell-wall polymers within and between plants using novel microarrays. <i>Plant Journal</i> , <b>2007</b> , 50, 1118-28	6.9	241
10	Reducing haziness in white wine by overexpression of <i>Saccharomyces cerevisiae</i> genes YOL155c and YDR055w. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 73, 1363-76	5.7	51
9	Characterization of the structure, expression and function of <i>Pinus radiata</i> D. Don arabinogalactan-proteins. <i>Planta</i> , <b>2007</b> , 226, 1131-42	4.7	28
8	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> , <b>2007</b> , 173, 468-477	5.3	20
7	Immunoactive polysaccharide-rich fractions from <i>Panax notoginseng</i> . <i>Planta Medica</i> , <b>2006</b> , 72, 1193-9	3.1	13
6	Polysaccharide composition of the fruit juice of <i>Morinda citrifolia</i> (Noni). <i>Phytochemistry</i> , <b>2006</b> , 67, 1271-5	4.5	49
5	Characterization of cell wall polysaccharides from the medicinal plant <i>Panax notoginseng</i> . <i>Phytochemistry</i> , <b>2005</b> , 66, 1067-76	4	22
4	Arabinogalactan proteins are required for apical cell extension in the moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , <b>2005</b> , 17, 3051-65	11.6	162
3	Distribution of cell wall components in <i>Sphagnum</i> hyaline cells and in liverwort and hornwort elaters. <i>Planta</i> , <b>2004</b> , 219, 1023-35	4.7	64
2	Application of a mannan-specific antibody for the detection of galactomannans in foods. <i>Food Hydrocolloids</i> , <b>2002</b> , 16, 551-556	10.6	5
1	A (1-->4)-beta-mannan-specific monoclonal antibody and its use in the immunocytochemical location of galactomannans. <i>Planta</i> , <b>2001</b> , 214, 235-42	4.7	59