

Jos L Acebes

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53
papers

690
citations

15
h-index

23
g-index

53
ext. papers

840
ext. citations

5.2
avg, IF

3.52
L-index

#	Paper	IF	Citations
53	The use of FTIR spectroscopy to monitor modifications in plant cell wall architecture caused by cellulose biosynthesis inhibitors. <i>Plant Signaling and Behavior</i> , 2011 , 6, 1104-10	2.5	56
52	FTIR spectroscopy monitoring of cell wall modifications during the habituation of bean (<i>Phaseolus vulgaris</i> L.) callus cultures to dichlobenil. <i>Plant Science</i> , 2004 , 167, 1273-1281	5.3	53
51	Fourier transform mid infrared spectroscopy applications for monitoring the structural plasticity of plant cell walls. <i>Frontiers in Plant Science</i> , 2014 , 5, 303	6.2	52
50	Cell wall modifications of bean (<i>Phaseolus vulgaris</i>) cell suspensions during habituation and dehabituation to dichlobenil. <i>Physiologia Plantarum</i> , 2002 , 114, 182-191	4.6	45
49	Novel type II cell wall architecture in dichlobenil-habituated maize calluses. <i>Planta</i> , 2009 , 229, 617-31	4.7	33
48	Mineral stress affects the cell wall composition of grapevine (<i>Vitis vinifera</i> L.) callus. <i>Plant Science</i> , 2013 , 205-206, 111-20	5.3	32
47	Characterization of cell walls in bean (<i>Phaseolus vulgaris</i> L.) callus cultures tolerant to dichlobenil. <i>Plant Science</i> , 2001 , 160, 331-339	5.3	31
46	Ectopic lignification in primary cellulose-deficient cell walls of maize cell suspension cultures. <i>Journal of Integrative Plant Biology</i> , 2015 , 57, 357-72	8.3	24
45	Immunocytochemical characterization of the cell walls of bean cell suspensions during habituation and dehabituation to dichlobenil. <i>Physiologia Plantarum</i> , 2006 , 127, 87-99	4.6	24
44	Cell wall modifications in bean (<i>Phaseolus vulgaris</i>) callus cultures tolerant to isoxaben. <i>Physiologia Plantarum</i> , 1999 , 107, 54-59	4.6	23
43	Unraveling the biochemical and molecular networks involved in maize cell habituation to the cellulose biosynthesis inhibitor dichlobenil. <i>Molecular Plant</i> , 2010 , 3, 842-53	14.4	21
42	Anticipating extinctions of glacial relict populations in mountain refugia. <i>Biological Conservation</i> , 2016 , 201, 243-251	6.2	20
41	High peroxidase activity and stable changes in the cell wall are related to dichlobenil tolerance. <i>Journal of Plant Physiology</i> , 2009 , 166, 1229-1240	3.6	19
40	Characterization of structural cell wall polysaccharides in cattail (<i>Typha latifolia</i>): Evaluation as potential biofuel feedstock. <i>Carbohydrate Polymers</i> , 2017 , 175, 679-688	10.3	18
39	The phenolic profile of maize primary cell wall changes in cellulose-deficient cell cultures. <i>Phytochemistry</i> , 2010 , 71, 1684-9	4	17
38	Cell wall glycanases and their activity against the hemicelluloses from pine hypocotyls. <i>Physiologia Plantarum</i> , 1992 , 86, 433-438	4.6	14
37	Early cell-wall modifications of maize cell cultures during habituation to dichlobenil. <i>Journal of Plant Physiology</i> , 2014 , 171, 127-35	3.6	13

36	Pine xyloglucan. Occurrence, localization and interaction with cellulose. <i>Physiologia Plantarum</i> , 1993 , 89, 417-422	4.6	13
35	Changes in pectic and hemicellulosic polysaccharides during acid pH-induced growth in pine hypocotyl segments. <i>Plant Science</i> , 1989 , 62, 53-61	5.3	13
34	Changes in cinnamic acid derivatives associated with the habituation of maize cells to dichlobenil. <i>Molecular Plant</i> , 2011 , 4, 869-78	14.4	12
33	Cellulose biosynthesis inhibitors: comparative effect on bean cell cultures. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 3685-702	6.3	11
32	Cell Wall Autolysis in Pinus pinaster Aiton Hypocotyls. Enzymatic Activities Involved. <i>Journal of Plant Physiology</i> , 1987 , 127, 11-22	3.6	11
31	Plasticity of xyloglucan composition in bean (<i>Phaseolus vulgaris</i>)-cultured cells during habituation and dehabituation to lethal concentrations of dichlobenil. <i>Molecular Plant</i> , 2010 , 3, 603-9	14.4	10
30	Pine xyloglucan. Occurrence, localization and interaction with cellulose. <i>Physiologia Plantarum</i> , 1993 , 89, 417-422	4.6	10
29	Deepening into the proteome of maize cells habituated to the cellulose biosynthesis inhibitor dichlobenil. <i>Plant Signaling and Behavior</i> , 2011 , 6, 143-6	2.5	9
28	Purification and structure of xyloglucan in pine hypocotyls. <i>Phytochemistry</i> , 1993 , 33, 1343-5	4	9
27	The biosynthesis and wall-binding of hemicelluloses in cellulose-deficient maize cells: an example of metabolic plasticity. <i>Journal of Integrative Plant Biology</i> , 2015 , 57, 373-87	8.3	8
26	Effect of water availability and fertilization on water status, growth, vigour and the resistance of Scots pine to fungal mass inoculation with <i>Ophiostoma ips</i> . <i>Plant Biosystems</i> , 2012 , 146, 384-393	1.6	8
25	Class III peroxidases in cellulose deficient cultured maize cells during cell wall remodeling. <i>Physiologia Plantarum</i> , 2018 , 164, 45-55	4.6	7
24	Growth capacity and molecular mass distribution of cell wall polysaccharides along the hypocotyl of Pinus pinaster. <i>Physiologia Plantarum</i> , 1990 , 79, 563-569	4.6	7
23	Growth capacity and molecular mass distribution of cell wall polysaccharides along the hypocotyl of Pinus pinaster. <i>Physiologia Plantarum</i> , 1990 , 79, 563-569	4.6	7
22	Habituation of bean (<i>Phaseolus vulgaris</i>) cell cultures to Quinclorac and analysis of the subsequent cell wall modifications. <i>Annals of Botany</i> , 2008 , 101, 1329-39	4.1	6
21	Necrotic and Cytolytic Activity on Grapevine Leaves Produced by Nep1-Like Proteins of. <i>Frontiers in Plant Science</i> , 2019 , 10, 1282	6.2	6
20	Early habituation of maize (<i>Zea mays</i>) suspension-cultured cells to 2,6-dichlorobenzonitrile is associated with the enhancement of antioxidant status. <i>Physiologia Plantarum</i> , 2016 , 157, 193-204	4.6	5
19	Pectin Depolymerase Activities Associated with Cell Walls from <i>Cicer arietinum</i> L. Epicotyl. <i>Plant and Cell Physiology</i> , 1997 , 38, 1259-1263	4.9	5

18	Increase in XET activity in bean (<i>Phaseolus vulgaris</i> L.) cells habituated to dichlobenil. <i>Planta</i> , 2007 , 226, 765-71	4.7	5
17	Autolysis-like release of homogalacturonan from bean (<i>Phaseolus vulgaris</i> L.) callus cell walls. <i>Plant Science</i> , 2003 , 164, 579-588	5.3	4
16	Histological Changes Associated with the Graft Union Development in Tomato. <i>Plants</i> , 2020 , 9,	4.5	3
15	Quinclorac-habituation of bean (<i>Phaseolus vulgaris</i>) cultured cells is related to an increase in their antioxidant capacity. <i>Plant Physiology and Biochemistry</i> , 2016 , 107, 257-263	5.4	3
14	Habituation and dehabituation to dichlobenil: simply the equivalent of Penelope weaving and unweaving process?. <i>Plant Signaling and Behavior</i> , 2009 , 4, 1069-71	2.5	3
13	The role of cell wall phenolics during the early remodelling of cellulose-deficient maize cells. <i>Phytochemistry</i> , 2020 , 170, 112219	4	3
12	Elucidating compositional factors of maize cell walls contributing to stalk strength and lodging resistance. <i>Plant Science</i> , 2021 , 307, 110882	5.3	3
11	Phenolic metabolism and molecular mass distribution of polysaccharides in cellulose-deficient maize cells. <i>Journal of Integrative Plant Biology</i> , 2017 , 59, 475-495	8.3	2
10	Monitoring of cell wall modifications during callogenesis in <i>Stylosanthes guianensis</i> (Fabaceae) under salt stress conditions. <i>Revista Brasileira De Botanica</i> , 2015 , 38, 783-793	1.2	2
9	Manganese transporter protein MntH is required for virulence of <i>Xylophilus ampelinus</i> , the causal agent of bacterial necrosis in grapevine. <i>Australian Journal of Grape and Wine Research</i> , 2014 , 20, 442-450	2.4	2
8	Purification and characterization of a soluble β 1,4-glucan from bean (<i>Phaseolus vulgaris</i> L.)-cultured cells dehabituated to dichlobenil. <i>Planta</i> , 2013 , 237, 1475-82	4.7	2
7	Tomato Graft Union Failure Is Associated with Alterations in Tissue Development and the Onset of Cell Wall Defense Responses. <i>Agronomy</i> , 2021 , 11, 1197	3.6	2
6	Effect of ancymidol on cell wall metabolism in growing maize cells. <i>Planta</i> , 2018 , 247, 987-999	4.7	1
5	Glycanases Associated with Cell Walls of <i>Cicer arietinum</i> L: Arabinogalactan Degradation. <i>Journal of Experimental Botany</i> , 1993 , 44, 1089-1094	7	1
4	The graft framework: Quantitative changes in cell wall matrix polysaccharides throughout the tomato graft union formation. <i>Carbohydrate Polymers</i> , 2022 , 276, 118781	10.3	1
3	Production of Encecalin in Cell Cultures and Hairy Roots of (<i>Hook.</i>) A. Gray. <i>Molecules</i> , 2020 , 25,	4.8	1
2	Glycanase activities associated with cell walls of <i>Cicer arietinum</i> L. epicotyls. <i>Biologia Plantarum</i> , 1996 , 38, 39	2.1	
1	Sequential extraction and analysis of cell wall polysaccharides from <i>Inula viscosa</i> leaves and stems. <i>Plant Biosystems</i> , 1-13	1.6	

