

Antonio Encina

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.

50
papers

1,103
citations

18
h-index

32
g-index

50
ext. papers

1,339
ext. citations

5.6
avg, IF

3.77
L-index

#	Paper	IF	Citations
50	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
49	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
48	Elucidating compositional factors of maize cell walls contributing to stalk strength and lodging resistance. <i>Plant Science</i> , 2021 , 307, 110882	5.3	3
47	Elucidating the multifunctional role of the cell wall components in the maize exploitation. <i>BMC Plant Biology</i> , 2021 , 21, 251	5.3	1
46	Immune Priming Triggers Cell Wall Remodeling and Increased Resistance to Halo Blight Disease in Common Bean. <i>Plants</i> , 2021 , 10,	4.5	1
45	Histological Changes Associated with the Graft Union Development in Tomato. <i>Plants</i> , 2020 , 9,	4.5	3
44	The role of cell wall phenolics during the early remodelling of cellulose-deficient maize cells. <i>Phytochemistry</i> , 2020 , 170, 112219	4	3
43	Overexpression of in Affects Lignin Biosynthesis Without Altering Redox Homeostasis. <i>Frontiers in Plant Science</i> , 2020 , 11, 900	6.2	4
42	Production of Encecalin in Cell Cultures and Hairy Roots of (Hook.) A. Gray. <i>Molecules</i> , 2020 , 25,	4.8	1
41	Class III peroxidases in cellulose deficient cultured maize cells during cell wall remodeling. <i>Physiologia Plantarum</i> , 2018 , 164, 45-55	4.6	7
40	Effect of ancymidol on cell wall metabolism in growing maize cells. <i>Planta</i> , 2018 , 247, 987-999	4.7	1
39	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
38	Chemical Changes during Maize Tissue Aging and Its Relationship with Mediterranean Corn Borer Resistance. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 9180-9185	5.7	2
37	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
36	Changes in Cell Wall Polymers and Degradability in Maize Mutants Lacking 3F and 5FO-Methyltransferases Involved in Lignin Biosynthesis. <i>Plant and Cell Physiology</i> , 2017 , 58, 240-255	4.9	23
35	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
34	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

33	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
32	Cell wall modifications triggered by the down-regulation of Coumarate 3-hydroxylase-1 in maize. <i>Plant Science</i> , 2015 , 236, 272-82	5.3	38
31	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
30	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
29	Altered lignin biosynthesis improves cellulosic bioethanol production in transgenic maize plants down-regulated for cinnamyl alcohol dehydrogenase. <i>Molecular Plant</i> , 2012 , 5, 817-30	14.4	93
28	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
27	Cellulose biosynthesis inhibitors: comparative effect on bean cell cultures. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 3685-702	6.3	11
26	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
25	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
24	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
23	ZmMYB31 directly represses maize lignin genes and redirects the phenylpropanoid metabolic flux. <i>Plant Journal</i> , 2010 , 64, 633-44	6.9	178
22	Plasticity of xyloglucan composition in bean (<i>Phaseolus vulgaris</i>)-cultured cells during habituation and dehabituating to lethal concentrations of dichlobenil. <i>Molecular Plant</i> , 2010 , 3, 603-9	14.4	10
21	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
20	The phenolic profile of maize primary cell wall changes in cellulose-deficient cell cultures. <i>Phytochemistry</i> , 2010 , 71, 1684-9	4	17
19	Habituation and dehabituating to dichlobenil: simply the equivalent of Penelope's weaving and unweaving process?. <i>Plant Signaling and Behavior</i> , 2009 , 4, 1069-71	2.5	3
18	Novel type II cell wall architecture in dichlobenil-habituated maize calluses. <i>Planta</i> , 2009 , 229, 617-31	4.7	33
17	The maize ZmMYB42 represses the phenylpropanoid pathway and affects the cell wall structure, composition and degradability in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2009 , 70, 283-96	4.6	121
16	ZmMYB31 & ZmMYB42: two maize R2R3-MYB transcription factors having complementary roles in the lignin and phenylpropanoid metabolism regulation. <i>New Biotechnology</i> , 2009 , 25, S279-S280	6.4	6

15	Histological aspects of three <i>Pistacia terebinthus</i> galls induced by three different aphids: <i>Paracletus cimiciformis</i> , <i>Forda marginata</i> and <i>Forda formicaria</i> . <i>Plant Science</i> , 2009 , 176, 303-314	5.3	44
14	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
13	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
12	ZmXTH1, a new xyloglucan endotransglucosylase/hydrolase in maize, affects cell wall structure and composition in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2008 , 59, 875-89	7	45
11	<i>Pistacia terebinthus</i> L. leaflets: an anatomical study. <i>Plant Systematics and Evolution</i> , 2008 , 272, 107-118	1.3	13
10	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
9	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
8	Oxidative coupling of a feruloyl-arabinoxylan trisaccharide (FAXX) in the walls of living maize cells requires endogenous hydrogen peroxide and is controlled by a low-Mr apoplastic inhibitor. <i>Planta</i> , 2005 , 223, 77-89	4.7	46
7	Effects of various densities of <i>Ophiostoma ips</i> inoculations on <i>Pinus sylvestris</i> in north-western Spain. <i>Forest Pathology</i> , 2004 , 34, 213-223	1.2	15
6	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
5	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
4	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
3	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
2	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
1	Histological description of <i>Saxifraga paniculata</i> leaves with special focus on structures that release CaCO ₃ . <i>Plant Biosystems</i> , 1-9	1.6	