Antonio Encina

List of Publications by Citations

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	ZmMYB31 directly represses maize lignin genes and redirects the phenylpropanoid metabolic flux. *Plant Journal*, **2010**, 64, 633-44	6.9	178
49	The maize ZmMYB42 represses the phenylpropanoid pathway and affects the cell wall structure, composition and degradability in Arabidopsis thaliana. *Plant Molecular Biology*, **2009**, 70, 283-96	4.6	121
48	Altered lignin biosynthesis improves cellulosic bioethanol production in transgenic maize plants down-regulated for cinnamyl alcohol dehydrogenase. *Molecular Plant*, **2012**, 5, 817-30	14.4	93
47	The use of FTIR spectroscopy to monitor modifications in plant cell wall architecture caused by cellulose biosynthesis inhibitors. *Plant Signaling and Behavior*, **2011**, 6, 1104-10	2.5	56
46	FTIR spectroscopy monitoring of cell wall modifications during the habituation of bean (Phaseolus vulgaris L.) callus cultures to dichlobenil. *Plant Science*, **2004**, 167, 1273-1281	5.3	53
45	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. *Planta*, **2005**, 223, 77-89	4.7	46
44	ZmXTH1, a new xyloglucan endotransglucosylase/hydrolase in maize, affects cell wall structure and composition in Arabidopsis thaliana. *Journal of Experimental Botany*, **2008**, 59, 875-89	7	45
43	Cell wall modifications of bean (Phaseolus vulgaris) cell suspensions during habituation and dehabituation to dichlobenil. *Physiologia Plantarum*, **2002**, 114, 182-191	4.6	45
42	Histological aspects of three Pistacia terebinthus galls induced by three different aphids: Paracletus cimiciformis, Forda marginata and Forda formicaria. *Plant Science*, **2009**, 176, 303-314	5.3	44
41	Cell wall modifications triggered by the down-regulation of Coumarate 3-hydroxylase-1 in maize. *Plant Science*, **2015**, 236, 272-82	5.3	38
40	Novel type II cell wall architecture in dichlobenil-habituated maize calluses. *Planta*, **2009**, 229, 617-31	4.7	33
39	Characterization of cell walls in bean (Phaseolus vulgaris L.) callus cultures tolerant to dichlobenil. *Plant Science*, **2001**, 160, 331-339	5.3	31
38	Ectopic lignification in primary cellulose-deficient cell walls of maize cell suspension cultures. *Journal of Integrative Plant Biology*, **2015**, 57, 357-72	8.3	24
37	Immunocytochemical characterization of the cell walls of bean cell suspensions during habituation and dehabituation to dichlobenil. *Physiologia Plantarum*, **2006**, 127, 87-99	4.6	24
36	Cell wall modifications in bean (Phaseolus vulgaris) callus cultures tolerant to isoxaben. *Physiologia Plantarum*, **1999**, 107, 54-59	4.6	23
35	Changes in Cell Wall Polymers and Degradability in Maize Mutants Lacking 3Ŧ and 5Ŧ0-Methyltransferases Involved in Lignin Biosynthesis. *Plant and Cell Physiology*, **2017**, 58, 240-255	4.9	23
34	Unraveling the biochemical and molecular networks involved in maize cell habituation to the cellulose biosynthesis inhibitor dichlobenil. *Molecular Plant*, **2010**, 3, 842-53	14.4	21

33	High peroxidase activity and stable changes in the cell wall are related to dichlobenil tolerance. *Journal of Plant Physiology*, **2009**, 166, 1229-1240	3.6	19
32	Characterization of structural cell wall polysaccharides in cattail (Typha latifolia): Evaluation as potential biofuel feedstock. *Carbohydrate Polymers*, **2017**, 175, 679-688	10.3	18
31	The phenolic profile of maize primary cell wall changes in cellulose-deficient cell cultures. *Phytochemistry*, **2010**, 71, 1684-9	4	17
30	Effects of various densities of Ophiostoma ips inoculations on Pinus sylvestris in north-western Spain. *Forest Pathology*, **2004**, 34, 213-223	1.2	15
29	Pistacia terebinthus L. leaflets: an anatomical study. *Plant Systematics and Evolution*, **2008**, 272, 107-118	1.3	13
28	Changes in cinnamic acid derivatives associated with the habituation of maize cells to dichlobenil. *Molecular Plant*, **2011**, 4, 869-78	14.4	12
27	Cellulose biosynthesis inhibitors: comparative effect on bean cell cultures. *International Journal of Molecular Sciences*, **2012**, 13, 3685-702	6.3	11
26	Plasticity of xyloglucan composition in bean (Phaseolus vulgaris)-cultured cells during habituation and dehabituation to lethal concentrations of dichlobenil. *Molecular Plant*, **2010**, 3, 603-9	14.4	10
25	Deepening into the proteome of maize cells habituated to the cellulose biosynthesis inhibitor dichlobenil. *Plant Signaling and Behavior*, **2011**, 6, 143-6	2.5	9
24	The biosynthesis and wall-binding of hemicelluloses in cellulose-deficient maize cells: an example of metabolic plasticity. *Journal of Integrative Plant Biology*, **2015**, 57, 373-87	8.3	8
23	Effect of water availability and fertilization on water status, growth, vigour and the resistance of Scots pine to fungal mass inoculation with Ophiostoma ips. *Plant Biosystems*, **2012**, 146, 384-393	1.6	8
22	Class III peroxidases in cellulose deficient cultured maize cells during cell wall remodeling. *Physiologia Plantarum*, **2018**, 164, 45-55	4.6	7
21	ZmMYB31 & ZmMYB42: two maize R2R3-MYB transcription factors having complementary roles in the lignin and phenylpropanoid metabolism regulation. *New Biotechnology*, **2009**, 25, S279-S280	6.4	6
20	Habituation of bean (Phaseolus vulgaris) cell cultures to Quinclorac and analysis of the subsequent cell wall modifications. *Annals of Botany*, **2008**, 101, 1329-39	4.1	6
19	Early habituation of maize (Zea mays) suspension-cultured cells to 2,6-dichlorobenzonitrile is associated with the enhancement of antioxidant status. *Physiologia Plantarum*, **2016**, 157, 193-204	4.6	5
18	Increase in XET activity in bean (Phaseolus vulgaris L.) cells habituated to dichlobenil. *Planta*, **2007**, 226, 765-71	4.7	5
17	Autolysis-like release of homogalacturonan from bean (Phaseolus vulgaris L.) callus cell walls. *Plant Science*, **2003**, 164, 579-588	5.3	4
16	Overexpression of in Affects Lignin Biosynthesis Without Altering Redox Homeostasis. *Frontiers in Plant Science*, **2020**, 11, 900	6.2	4

15	Histological Changes Associated with the Graft Union Development in Tomato. *Plants*, **2020**, 9,	4.5	3
14	Quinclorac-habituation of bean (Phaseolus vulgaris) cultured cells is related to an increase in their antioxidant capacity. *Plant Physiology and Biochemistry*, **2016**, 107, 257-263	5.4	3
13	Habituation and dehabituation to dichlobenil: simply the equivalent of Penelope's weaving and unweaving process?. *Plant Signaling and Behavior*, **2009**, 4, 1069-71	2.5	3
12	The role of cell wall phenolics during the early remodelling of cellulose-deficient maize cells. *Phytochemistry*, **2020**, 170, 112219	4	3
11	Elucidating compositional factors of maize cell walls contributing to stalk strength and lodging resistance. *Plant Science*, **2021**, 307, 110882	5.3	3
10	Phenolic metabolism and molecular mass distribution of polysaccharides in cellulose-deficient maize cells. *Journal of Integrative Plant Biology*, **2017**, 59, 475-495	8.3	2
9	Chemical Changes during Maize Tissue Aging and Its Relationship with Mediterranean Corn Borer Resistance. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 9180-9185	5.7	2
8	Purification and characterization of a soluble β-1,4-glucan from bean (Phaseolus vulgaris L.)-cultured cells dehabituated to dichlobenil. *Planta*, **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. *Agronomy*, **2021**, 11, 1197	3.6	2
6	Effect of ancymidol on cell wall metabolism in growing maize cells. *Planta*, **2018**, 247, 987-999	4.7	1
5	The graft framework: Quantitative changes in cell wall matrix polysaccharides throughout the tomato graft union formation. *Carbohydrate Polymers*, **2022**, 276, 118781	10.3	1
4	Production of Encecalin in Cell Cultures and Hairy Roots of (Hook.) A. Gray. *Molecules*, **2020**, 25,	4.8	1
3	Elucidating the multifunctional role of the cell wall components in the maize exploitation. *BMC Plant Biology*, **2021**, 21, 251	5.3	1
2	Immune Priming Triggers Cell Wall Remodeling and Increased Resistance to Halo Blight Disease in Common Bean. *Plants*, **2021**, 10,	4.5	1
1	Histological description of Saxifraga paniculata leaves with special focus on structures that release CaCO3. *Plant Biosystems*,1-9	1.6	