PenÃ©lope GarcÃ-a-Angulo

List of Publications by Year
in descending order

28 papers	512 citations	759055 12 h-index	677027 22 g-index
28 all docs	28 docs citations	28 times ranked	665 citing authors

#	Article	IF	Citations
1	The use of FTIR spectroscopy to monitor modifications in plant cell wall architecture caused by cellulose biosynthesis inhibitors. Plant Signaling and Behavior, 2011, 6, 1104-1110.	1.2	90
2	Ectopic lignification in primary celluloseâ€deficient cell walls of maize cell suspension cultures. Journal of Integrative Plant Biology, 2015, 57, 357-372.	4.1	69
3	FTIR spectroscopy monitoring of cell wall modifications during the habituation of bean (Phaseolus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	66
4	Mineral stress affects the cell wall composition of grapevine (Vitis vinifera L.) callus. Plant Science, 2013, 205-206, 111-120.	1.7	37
5	Novel typeÂII cell wall architecture in dichlobenil-habituated maize calluses. Planta, 2009, 229, 617-631.	1.6	34
6	Characterization of structural cell wall polysaccharides in cattail (Typha latifolia): Evaluation as potential biofuel feedstock. Carbohydrate Polymers, 2017, 175, 679-688.	5.1	28
7	Immunocytochemical characterization of the cell walls of bean cell suspensions during habituation and dehabituation to dichlobenil. Physiologia Plantarum, 2006, 127, 87-99.	2.6	25
8	Elucidating compositional factors of maize cell walls contributing to stalk strength and lodging resistance. Plant Science, 2021, 307, 110882.	1.7	21
9	High peroxidase activity and stable changes in the cell wall are related to dichlobenil tolerance. Journal of Plant Physiology, 2009, 166, 1229-1240.	1.6	20
10	Cellulose Biosynthesis Inhibitors: Comparative Effect on Bean Cell Cultures. International Journal of Molecular Sciences, 2012, 13, 3685-3702.	1.8	20
11	The phenolic profile of maize primary cell wall changes in cellulose-deficient cell cultures. Phytochemistry, 2010, 71, 1684-1689.	1.4	17
12	Early cell-wall modifications of maize cell cultures during habituation to dichlobenil. Journal of Plant Physiology, 2014, 171, 127-135.	1.6	14
13	Plasticity of Xyloglucan Composition in Bean (Phaseolus vulgaris)-Cultured Cells during Habituation and Dehabituation to Lethal Concentrations of Dichlobenil. Molecular Plant, 2010, 3, 603-609.	3.9	10
14	The biosynthesis and wallâ€binding of hemicelluloses in celluloseâ€deficient maize cells: An example of metabolic plasticity. Journal of Integrative Plant Biology, 2015, 57, 373-387.	4.1	10
15	Habituation of Bean (Phaseolus vulgaris) Cell Cultures to Quinclorac and Analysis of the Subsequent Cell Wall Modifications. Annals of Botany, 2008, 101, 1329-1339.	1.4	8
16	Immune Priming Triggers Cell Wall Remodeling and Increased Resistance to Halo Blight Disease in Common Bean. Plants, 2021, 10, 1514.	1.6	8
17	Increase in XET activity in bean (Phaseolus vulgaris L.) cells habituated to dichlobenil. Planta, 2007, 226, 765-771.	1.6	6
18	Early habituation of maize (<i>Zea mays</i>) suspensionâ€cultured cells to 2,6â€dichlorobenzonitrile is associated with the enhancement of antioxidant status. Physiologia Plantarum, 2016, 157, 193-204.	2.6	5

#	Article	IF	Citations
19	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.	2.8	4
20	Perception and First Defense Responses Against <i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> in <i>Phaseolus vulgaris</i>: Identification of Wall-Associated Kinase Receptors. Phytopathology, 2021, 111, 2332-2342.	1.1	4
21	Habituation and dehabituation to dichlobenil. Plant Signaling and Behavior, 2009, 4, 1069-1071.	1.2	3
22	Phenolic metabolism and molecular mass distribution of polysaccharides in celluloseâ€deficient maize cells. Journal of Integrative Plant Biology, 2017, 59, 475-495.	4.1	3
23	The role of cell wall phenolics during the early remodelling of cellulose-deficient maize cells. Phytochemistry, 2020, 170, 112219.	1.4	3
24	Purification and characterization of a soluble Î²-1,4-glucan from bean (PhaseolusÂvulgaris L.)-cultured cells dehabituated to dichlobenil. Planta, 2013, 237, 1475-1482.	1.6	2
25	Manganese transporter protein MntH is required for virulence ofXylophilus ampelinus, the causal agent of bacterial necrosis in grapevine. Australian Journal of Grape and Wine Research, 2014, 20, 442-450.	1.0	2
26	Monitoring of cell wall modifications during callogenesis in Stylosanthes guianensis (Fabaceae) under salt stress conditions. Revista Brasileira De Botanica, 2015, 38, 783-793.	0.5	2
27	Effect of ancymidol on cell wall metabolism in growing maize cells. Planta, 2018, 247, 987-999.	1.6	1
28	Using Plant-Based Preparations to Protect Common Bean against Halo Blight Disease: The Potential of Nettle to Trigger the Immune System. Agronomy, 2022, 12, 63.	1.3	0