Ana Alonso-Simon

List of Publications by Citations

16 papers	394 citations	11 h-index	16 g-index
16 ext. papers	470 ext. citations	4.6 avg, IF	2.95 L-index

#	Paper	IF	Citations
16	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
15	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
14	Fourier transform mid infrared spectroscopy applications for monitoring the structural plasticity of plant cell walls. *Frontiers in Plant Science*, **2014**, 5, 303	6.2	52
13	Characterization of the primary cell walls of seedlings of Brachypodium distachyon--a potential model plant for temperate grasses. *Phytochemistry*, **2010**, 71, 62-9	4	52
12	Novel type II cell wall architecture in dichlobenil-habituated maize calluses. *Planta*, **2009**, 229, 617-31	4.7	33
11	High-throughput microarray profiling of cell wall polymers during hydrothermal pre-treatment of wheat straw. *Biotechnology and Bioengineering*, **2010**, 105, 509-14	4.9	24
10	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
9	Hydrothermal Carbonization of Olive Tree Pruning as a Sustainable Way for Improving Biomass Energy Potential: Effect of Reaction Parameters on Fuel Properties. *Processes*, **2020**, 8, 1201	2.9	21
8	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
7	Characterization of structural cell wall polysaccharides in cattail (Typha latifolia): Evaluation as potential biofuel feedstock. *Carbohydrate Polymers*, **2017**, 175, 679-688	10.3	18
6	The phenolic profile of maize primary cell wall changes in cellulose-deficient cell cultures. *Phytochemistry*, **2010**, 71, 1684-9	4	17
5	Cellulose biosynthesis inhibitors: comparative effect on bean cell cultures. *International Journal of Molecular Sciences*, **2012**, 13, 3685-702	6.3	11
4	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
3	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
2	Habituation and dehabituation to dichlobenil: simply the equivalent of Penelopes weaving and unweaving process?. *Plant Signaling and Behavior*, **2009**, 4, 1069-71	2.5	3
1	Purification and characterization of a soluble β1,4-glucan from bean (Phaseolus vulgaris L.)-cultured cells dehabituated to dichlobenil. *Planta*, **2013**, 237, 1475-82	4.7	2