Susana M Gallego

List of Publications by Year
in descending order

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26 papers	3,291 citations	567281 15 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	3603 citing authors

#	Article	IF	Citations
1	Unravelling cadmium toxicity and tolerance in plants: Insight into regulatory mechanisms. Environmental and Experimental Botany, 2012, 83, 33-46.	4.2	956
2	Cadmium toxicity in plants. Brazilian Journal of Plant Physiology, 2005, 17, 21-34.	0.5	876
3	Effect of heavy metal ion excess on sunflower leaves: evidence for involvement of oxidative stress. Plant Science, 1996, 121, 151-159.	3.6	601
4	Effect of UV-B radiation on antioxidant defense system in sunflower cotyledons. Plant Science, 2002, 162, 939-945.	3.6	218
5	Title is missing!. Plant Growth Regulation, 2003, 40, 81-88.	3.4	111
6	Oxidative post translational modifications of proteins related to cell cycle are involved in cadmium toxicity in wheat seedlings. Plant Science, 2012, 196, 1-7.	3.6	76
7	Proteolytic system in sunflower (Helianthus annuus L.) leaves under cadmium stress. Plant Science, 2006, 171, 531-537.	3.6	59
8	20S proteasome and accumulation of oxidized and ubiquitinated proteins in maize leaves subjected to cadmium stress. Phytochemistry, 2007, 68, 1139-1146.	2.9	53
9	Mechanism of CATA3 induction by cadmium in sunflower leaves. Plant Physiology and Biochemistry, 2007, 45, 589-595.	5.8	47
10	Glutathione-mediated Antioxidative Mechanisms in Sunflower (Helianthus Annuus L.) Cells in Response to Cadmium Stress. Plant Growth Regulation, 2005, 46, 267-276.	3.4	44
11	Heavy metals effects on proteolytic system in sunflower leaves. Chemosphere, 2008, 72, 741-746.	8.2	44
12	Sunflower cotyledons cope with copper stress by inducing catalase subunits less sensitive to oxidation. Journal of Trace Elements in Medicine and Biology, 2011, 25, 125-129.	3.0	37
13	The control of root growth by reactive oxygen species in Salix nigra Marsh. seedlings. Plant Science, 2012, 183, 197-205.	3.6	29
14	Priming with NO controls redox state and prevents cadmium-induced general up-regulation of methionine sulfoxide reductase gene family in Arabidopsis. Biochimie, 2016, 131, 128-136.	2.6	22
15	Early response of wheat seminal roots growing under copper excess. Plant Physiology and Biochemistry, 2015, 87, 115-123.	5.8	21
16	Osmotic adjustment and maintenance of the redox balance in root tissue may be key points to overcome a mild water deficit during the early growth of wheat. Plant Growth Regulation, 2014, 74, 107-117.	3.4	14
17	Early responses of maize seedlings to Cu stress include sharp decreases in gibberellins and jasmonates in the root apex. Protoplasma, 2020, 257, 1243-1256.	2.1	12
18	Unravelling ties in the nitrogen network: Polyamines and nitric oxide emerging as essential players in signalling roadway. Annals of Applied Biology, 2021, 178, 192-208.	2.5	12

#	Article	IF	Citations
19	Effect of different metals on protease activity in sunflower cotyledons. Electronic Journal of Biotechnology, 2006, 9, 0-0.	2.2	12
20	Biochemical and hormonal changes associated with root growth restriction under cadmium stress during maize (Zea mays L.) pre-emergence. Plant Growth Regulation, 2022, 96, 269-281.	3.4	12
21	Optimization of recombinant maize CDKA;1 and CycD6;1 production in Escherichia coli by response surface methodology. Protein Expression and Purification, 2020, 165, 105483.	1.3	11
22	Tyr-nitration in maize CDKA;1 results in lower affinity for ATP binding. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140479.	2.3	10
23	Metabolic rearrangements in imbibed maize (Zea mays L) embryos in the presence of oxidative stressors. Plant Physiology and Biochemistry, 2020, 155, 560-569.	5.8	8
24	Oxidation of proline from the cyclin-binding motif in maize CDKA;1 results in lower affinity with its cyclin regulatory subunit. Phytochemistry, 2020, 169, 112165.	2.9	3
25	An isopentenyl transferase transgenic wheat isoline exhibits less seminal root growth impairment and a differential metabolite profile under Cd stress. Physiologia Plantarum, 2021, 173, 223-234.	5.2	3
26	The nitric oxide challenges during metal stress. , 2022, , 503-537.		0