Jorge Teixeira

List of Publications by Year
in descending order

35 papers	1,096 citations	430874 18 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	1470 citing authors

#	Article	IF	Citations
1	Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in Solanum nigrum L. under Ni stress. Environmental and Experimental Botany, 2016, 122, 115-125.	4.2	175
2	Copperâ€induced stress in <scp>S</scp>olanum nigrum L. and antioxidant defense system responses. Food and Energy Security, 2013, 2, 70-80.	4.3	105
3	High salinity and drought act on an organ-dependent manner on potato glutamine synthetase expression and accumulation. Environmental and Experimental Botany, 2007, 60, 121-126.	4.2	103
4	Solanum nigrum L. antioxidant defence system isozymes are regulated transcriptionally and posttranslationally in Cd-induced stress. Environmental and Experimental Botany, 2011, 72, 312-319.	4.2	76
5	Phytostabilization of nickel by the zinc and cadmium hyperaccumulator Solanum nigrum L. Are metallothioneins involved?. Plant Physiology and Biochemistry, 2012, 57, 254-260.	5.8	57
6	Salt stress affects glutamine synthetase activity and mRNA accumulation on potato plants in an organ-dependent manner. Plant Physiology and Biochemistry, 2009, 47, 807-813.	5.8	45
7	Polyamines as key regulatory players in plants under metal stressâ€"A way for an enhanced tolerance. Annals of Applied Biology, 2021, 178, 209-226.	2.5	42
8	Physiological and biochemical responses to the exogenous application of proline of tomato plants irrigated with saline water. Journal of the Saudi Society of Agricultural Sciences, 2018, 17, 17-23.	1.9	41
9	Glutamine synthetase of potato (Solanum tuberosum L. cv. Desiree) plants: cell- and organ-specific expression and differential developmental regulation reveal specific roles in nitrogen assimilation and mobilization. Journal of Experimental Botany, 2005, 56, 663-671.	4.8	39
10	Oxidative Metabolism of Rye (Secale cereale L.) after Short Term Exposure to Aluminum: Uncovering the Glutathioneâ€"Ascorbate Redox Network. Frontiers in Plant Science, 2016, 7, 685.	3.6	34
11	Influence of the temporal and spatial variation of nitrate reductase, glutamine synthetase and soil composition in the N species content in lettuce (Lactuca sativa). Plant Science, 2014, 219-220, 35-41.	3.6	31
12	Metalaxyl Effects on Antioxidant Defenses in Leaves and Roots of Solanum nigrum L.. Frontiers in Plant Science, 2017, 8, 1967.	3.6	31
13	Cardosins in postembryonic development of cardoon: towards an elucidation of the biological function of plant aspartic proteinases. Protoplasma, 2008, 232, 203-213.	2.1	29
14	Regulation of glutamine synthetase expression in sunflower cells exposed to salt and osmotic stress. Scientia Horticulturae, 2004, 103, 101-111.	3.6	28
15	Solanum nigrum L. weed plants as a remediation tool for metalaxyl-polluted effluents and soils. Chemosphere, 2011, 85, 744-750.	8.2	25
16	Metalaxyl-induced changes in the antioxidant metabolism of Solanum nigrum L. suspension cells. Pesticide Biochemistry and Physiology, 2013, 107, 235-243.	3.6	25
17	Can nano-SiO2 reduce the phytotoxicity of acetaminophen? â€“ A physiological, biochemical and molecular approach. Environmental Pollution, 2018, 241, 900-911.	7.5	22
18	Characterization of aspartic proteinases in C. cardunculus L. callus tissue for its prospective transformation. Plant Science, 2010, 178, 140-146.	3.6	20

#	Article	IF	Citations
19	Response of Solanum lycopersicum L. to diclofenac â€“ Impacts on the plantâ€™s antioxidant mechanisms. Environmental Pollution, 2020, 258, 113762.	7.5	18
20	Diclofenac shifts the role of root glutamine synthetase and glutamate dehydrogenase for maintaining nitrogen assimilation and proline production at the expense of shoot carbon reserves in Solanum lycopersicum L. Environmental Science and Pollution Research, 2020, 27, 29130-29142.	5.3	16
21	Photo-Fenton plus Solanum nigrum L. weed plants integrated process for the abatement of highly concentrated metalaxyl on waste waters. Chemical Engineering Journal, 2012, 184, 213-220.	12.7	15
22	Metallothionein multigene family expression is differentially affected by <scp>C</scp>hromium (<scp>III</scp>) and (<scp>VI</scp>) in <scp>S</scp>olanum nigrum <scp>L</scp>. plants. Food and Energy Security, 2013, 2, 130-140.	4.3	14
23	Assessing predawn leaf water potential based on hyperspectral data and pigmentâ€™s concentration of Vitis vinifera L. in the Douro Wine Region. Scientia Horticulturae, 2021, 278, 109860.	3.6	14
24	Specific roles of potato glutamine synthetase isoenzymes in callus tissue grown under salinity: molecular and biochemical responses. Plant Cell, Tissue and Organ Culture, 2006, 87, 1-7.	2.3	13
25	Al exposure increases proline levels by different pathways in an Al-sensitive and an Al-tolerant rye genotype. Scientific Reports, 2020, 10, 16401.	3.3	13
26	PrimerIdent: A web based tool for conserved primer design. Bioinformation, 2010, 5, 52-54.	0.5	12
27	Foliar application of 24-epibrassinolide improves Solanum nigrum L. tolerance to high levels of Zn without affecting its remediation potential. Chemosphere, 2020, 244, 125579.	8.2	10
28	Cr (VI)-induced oxidative damage impairs ammonia assimilation into organic forms in Solanum lycopersicum L.. Plant Stress, 2021, 2, 100034.	5.5	8
29	Specific glutathione-S-transferases ensure an efficient detoxification of diclofenac in Solanum lycopersicum L. plants. Plant Physiology and Biochemistry, 2021, 168, 263-271.	5.8	8
30	Targeting key metabolic points for an enhanced phytoremediation of wastewaters pre-treated by the photo-Fenton process using Solanum nigrum L.. Ecotoxicology and Environmental Safety, 2015, 120, 124-129.	6.0	6
31	Differential effects of acetophenone on shoots' and roots' metabolism of Solanum nigrum L. plants and implications in its phytoremediation. Plant Physiology and Biochemistry, 2018, 130, 391-398.	5.8	6
32	Gene- and organ-specific impact of paracetamol on Solanun nigrum L.â€™s Î³-glutamylcysteine synthetase and glutathione S-transferase and consequent phytoremediation fitness. Acta Physiologiae Plantarum, 2021, 43, 1.	2.1	6
33	Organ-specific distribution and subcellular localisation of ascorbate peroxidase isoenzymes in potato (Solanum tuberosum L.) plants. Protoplasma, 2005, 226, 223-230.	2.1	5
34	Isolation and characterisation of a cDNA encoding a novel cytosolic ascorbate peroxidase from potato plants (Solanum tuberosum L.). Acta Physiologiae Plantarum, 2006, 28, 41-47.	2.1	3
35	Improvement of Crop Production Under Saline Stress by a Biohydraulic Approach. , 2014, , 231-245.		1