

Fernanda Fidalgo

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,240
citations

236925

25
h-index

233421

45
g-index

70
all docs

70
docs citations

70
times ranked

2502
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Activation of Antioxidant Responses in Ni-Stressed Tomato Cultivars Determines Their Resilience Under Co-exposure to Drought. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 877-891.	5.1	7
2	The potential of beach wrack as plant biostimulant to mitigate metal toxicity: mineral composition, antioxidant properties and effects against Cu-induced stress. <i>Journal of Applied Phycology</i> , 2022, 34, 667-678.	2.8	1
3	Wrack Composed by <i>Fucus</i> spp, <i>Ascophyllum nodosum</i> and <i>Pelvetia canaliculata</i> Limits Metal Uptake and Restores the Redox Homeostasis of Barley Plants Grown in Cu-Contaminated Soils. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 3544-3555.	5.1	4
4	Nano-Fe ₂ O ₃ as a tool to restore plant growth in contaminated soils – Assessment of potentially toxic elements (bio)availability and redox homeostasis in <i>Hordeum vulgare</i> L. <i>Journal of Hazardous Materials</i> , 2022, 425, 127999.	12.4	12
5	Impact of Combined Heat and Salt Stresses on Tomato Plants – Insights into Nutrient Uptake and Redox Homeostasis. <i>Antioxidants</i> , 2022, 11, 478.	5.1	16
6	Polyamines as key regulatory players in plants under metal stress – A way for an enhanced tolerance. <i>Annals of Applied Biology</i> , 2021, 178, 209-226.	2.5	42
7	Vineyard calcium sprays reduce the damage of postharvest grape berries by stimulating enzymatic antioxidant activity and pathogen defense genes, despite inhibiting phenolic synthesis. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 48-55.	5.8	9
8	Herbicidal Effects and Cellular Targets of Aqueous Extracts from Young <i>Eucalyptus globulus</i> Labill. Leaves. <i>Plants</i> , 2021, 10, 1159.	3.5	8
9	Silicon Improves the Redox Homeostasis to Alleviate Glyphosate Toxicity in Tomato Plants – Are Nanomaterials Relevant?. <i>Antioxidants</i> , 2021, 10, 1320.	5.1	14
10	Foliar Application of Sodium Nitroprusside Boosts <i>Solanum lycopersicum</i> L. Tolerance to Glyphosate by Preventing Redox Disorders and Stimulating Herbicide Detoxification Pathways. <i>Plants</i> , 2021, 10, 1862.	3.5	8
11	Fucoid Macroalgae Have Distinct Physiological Mechanisms to Face Emersion and Submersion Periods in Their Southern Limit of Distribution. <i>Plants</i> , 2021, 10, 1892.	3.5	7
12	Cr (VI)-induced oxidative damage impairs ammonia assimilation into organic forms in <i>Solanum lycopersicum</i> L.. <i>Plant Stress</i> , 2021, 2, 100034.	5.5	8
13	Specific glutathione-S-transferases ensure an efficient detoxification of diclofenac in <i>Solanum lycopersicum</i> L. plants. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 263-271.	5.8	8
14	Nitric oxide-mediated regulation of oxidative stress in plants under metal stress: a review on molecular and biochemical aspects. <i>Physiologia Plantarum</i> , 2020, 168, 318-344.	5.2	102
15	Foliar application of 24-epibrassinolide improves <i>Solanum nigrum</i> L. tolerance to high levels of Zn without affecting its remediation potential. <i>Chemosphere</i> , 2020, 244, 125579.	8.2	10
16	Response of <i>Solanum lycopersicum</i> L. to diclofenac – Impacts on the plant's antioxidant mechanisms. <i>Environmental Pollution</i> , 2020, 258, 113762.	7.5	18
17	Ecotoxicological Assessment of a Glyphosate-Based Herbicide in Cover Plants: <i>Medicago sativa</i> L. as a Model Species. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5098.	2.5	13
18	Al exposure increases proline levels by different pathways in an Al-sensitive and an Al-tolerant rye genotype. <i>Scientific Reports</i> , 2020, 10, 16401.	3.3	13

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19	Glyphosate-dependent effects on photosynthesis of <i>Solanum lycopersicum</i> L. An ecophysiological, ultrastructural and molecular approach. <i>Journal of Hazardous Materials</i> , 2020, 398, 122871.	12.4	29
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 <i>Solanum lycopersicum</i> L. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29130-29142.	5.3	16
21	Is soil contamination by a glyphosate commercial formulation truly harmless to non-target plants? Evaluation of oxidative damage and antioxidant responses in tomato. <i>Environmental Pollution</i> , 2019, 247, 256-265.	7.5	58
22	Salicylic acid alleviates glyphosate-induced oxidative stress in <i>Hordeum vulgare</i> L. <i>Journal of Environmental Management</i> , 2019, 241, 226-234.	7.8	47
23	Plants facing oxidative challenges? A little help from the antioxidant networks. <i>Environmental and Experimental Botany</i> , 2019, 161, 4-25.	4.2	277
24	Phytotoxic effects of bulk and nano-sized Ni on <i>Lycium barbarum</i> L. grown in vitro. Oxidative damage and antioxidant response. <i>Chemosphere</i> , 2019, 218, 507-516.	8.2	24
25	Physiological and biochemical responses to the exogenous application of proline of tomato plants irrigated with saline water. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2018, 17, 17-23.	1.9	41
26	SiO ₂ nanomaterial as a tool to improve <i>Hordeum vulgare</i> L. tolerance to nano-NiO stress. <i>Science of the Total Environment</i> , 2018, 622-623, 517-525.	8.0	60
27	Metal-Based Nanomaterials and Oxidative Stress in Plants: Current Aspects and Overview. , 2018, , 197-227.		12
28	Differential effects of acetophenone on shoots' and roots' metabolism of <i>Solanum nigrum</i> L. plants and implications in its phytoremediation. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 391-398.	5.8	6
29	Can nano-SiO ₂ reduce the phytotoxicity of acetaminophen? A physiological, biochemical and molecular approach. <i>Environmental Pollution</i> , 2018, 241, 900-911.	7.5	22
30	An efficient antioxidant system and heavy metal exclusion from leaves make <i>Solanum cheesmaniae</i> more tolerant to Cu than its cultivated counterpart. <i>Food and Energy Security</i> , 2017, 6, 123-133.	4.3	43
31	Temperature Variation under Continuous Light Restores Tomato Leaf Photosynthesis and Maintains the Diurnal Pattern in Stomatal Conductance. <i>Frontiers in Plant Science</i> , 2017, 8, 1602.	3.6	28
32	Metalaxyl Effects on Antioxidant Defenses in Leaves and Roots of <i>Solanum nigrum</i> L.. <i>Frontiers in Plant Science</i> , 2017, 8, 1967.	3.6	31
33	Oxidative Metabolism of Rye (<i>Secale cereale</i> L.) after Short Term Exposure to Aluminum: Uncovering the Glutathione-Ascorbate Redox Network. <i>Frontiers in Plant Science</i> , 2016, 7, 685.	3.6	34
34	Ecotoxicological relevance of nano-NiO and acetaminophen to <i>Hordeum vulgare</i> L.: Combining standardized procedures and physiological endpoints. <i>Chemosphere</i> , 2016, 165, 442-452.	8.2	56
35	Dynamic controlled atmosphere for prevention of internal browning disorders in Rocha™ pear. <i>LWT - Food Science and Technology</i> , 2016, 65, 725-730.	5.2	24
36	Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in <i>Solanum nigrum</i> L. under Ni stress. <i>Environmental and Experimental Botany</i> , 2016, 122, 115-125.	4.2	175

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37	INTERNAL BROWNING DISORDERS IN 'ROCHA' PEAR STORED UNDER HIGH CO ₂ ATMOSPHERES ARE TRIGGERED BY OXIDATIVE STRESS. <i>Acta Horticulturae</i> , 2015, , 771-778.	0.2	5
38	Targeting key metabolic points for an enhanced phytoremediation of wastewaters pre-treated by the photo-Fenton process using <i>Solanum nigrum</i> L. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 124-129.	6.0	6
39	Regional Environmental Gradients Influence Ecophysiological Responses of Dominant Coastal Dune Plants to Changes in Local Conditions. <i>Journal of Coastal Research</i> , 2014, 297, 893-903.	0.3	2
40	Influence of the temporal and spatial variation of nitrate reductase, glutamine synthetase and soil composition in the N species content in lettuce (<i>Lactuca sativa</i>). <i>Plant Science</i> , 2014, 219-220, 35-41.	3.6	31
41	Metalaxyl-induced changes in the antioxidant metabolism of <i>Solanum nigrum</i> L. suspension cells. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 235-243.	3.6	25
42	Copper-induced stress in <i>Solanum nigrum</i> L. and antioxidant defense system responses. <i>Food and Energy Security</i> , 2013, 2, 70-80.	4.3	105
43	Metallothionein multigene family expression is differentially affected by Chromium (^{III}) and Vanadium (^{VI}) in <i>Solanum nigrum</i> L. plants. <i>Food and Energy Security</i> , 2013, 2, 130-140.	4.3	14
44	Photo-Fenton plus <i>Solanum nigrum</i> L. weed plants integrated process for the abatement of highly concentrated metalaxyl on waste waters. <i>Chemical Engineering Journal</i> , 2012, 184, 213-220.	12.7	15
45	Phytostabilization of nickel by the zinc and cadmium hyperaccumulator <i>Solanum nigrum</i> L. Are metallothioneins involved?. <i>Plant Physiology and Biochemistry</i> , 2012, 57, 254-260.	5.8	57
46	ASSESSMENT OF GENETIC VARIATION IN POTATO CALLUS TISSUE UNDER SALINITY USING RAPD MARKERS. <i>Acta Horticulturae</i> , 2012, , 177-184.	0.2	0
47	Differential responses of the antioxidant defence system and ultrastructure in a salt-adapted potato cell line. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1410-1419.	5.8	47
48	<i>Solanum nigrum</i> L. antioxidant defence system isozymes are regulated transcriptionally and posttranslationally in Cd-induced stress. <i>Environmental and Experimental Botany</i> , 2011, 72, 312-319.	4.2	76
49	<i>Solanum nigrum</i> L. weed plants as a remediation tool for metalaxyl-polluted effluents and soils. <i>Chemosphere</i> , 2011, 85, 744-750.	8.2	25
50	ANTIOXIDANT PROPERTIES AND FRUIT QUALITY DURING LONG-TERM STORAGE OF 'ROCHA' PEAR: EFFECTS OF MATURITY AND STORAGE CONDITIONS. <i>Journal of Food Quality</i> , 2010, 33, 1-20.	2.8	45
51	Characterization of aspartic proteinases in <i>C. cardunculus</i> L. callus tissue for its prospective transformation. <i>Plant Science</i> , 2010, 178, 140-146.	3.6	20
52	Activity of tonoplast proton pumps and Na ⁺ /H ⁺ exchange in potato cell cultures is modulated by salt. <i>Journal of Experimental Botany</i> , 2009, 60, 1363-1374.	4.8	73
53	Salt stress affects glutamine synthetase activity and mRNA accumulation on potato plants in an organ-dependent manner. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 807-813.	5.8	45
54	Ultrastructural aspects of a NaCl-adapted potato cell line. <i>Microscopy and Microanalysis</i> , 2009, 15, 41-42.	0.4	1

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55	EFFECT OF 1-METHYLCYCLOPROPENE AND DIPHENYLAMINE ON STORAGE DISORDERS AND WATER-SOLUBLE ANTIOXIDANTS OF 'ROCHA' PEAR. <i>Acta Horticulturae</i> , 2008, , 993-998.	0.2	8
56	In vitro selection of salt tolerant cell lines in <i>Solanum tuberosum</i> L.. <i>Biologia Plantarum</i> , 2007, 51, 728-734.	1.9	64
57	Specific roles of potato glutamine synthetase isoenzymes in callus tissue grown under salinity: molecular and biochemical responses. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 87, 1-7.	2.3	13
58	Phylogenetic relationship of potato CAT1 and CAT2 genes, their differential expression in non-photosynthetic organs and during leaf development, and their association with different cellular processes. <i>Functional Plant Biology</i> , 2006, 33, 639.	2.1	6
59	Induction of somatic embryogenesis in <i>Iris hollandica</i> Hort. cv. "Bronze Queen"™. <i>Journal of Horticultural Science and Biotechnology</i> , 2005, 80, 135-138.	1.9	5
60	Effect of hydrogen peroxide on catalase gene expression, isoform activities and levels in leaves of potato sprayed with homobrassinolide and ultrastructural changes in mesophyll cells. <i>Functional Plant Biology</i> , 2005, 32, 707.	2.1	32
61	Effects of long-term salt stress on antioxidant defence systems, leaf water relations and chloroplast ultrastructure of potato plants. <i>Annals of Applied Biology</i> , 2004, 145, 185-192.	2.5	94
62	Biochemical and ultrastructural changes in leaves of potato plants grown under supplementary UV-B radiation. <i>Plant Science</i> , 2004, 167, 925-935.	3.6	103
63	In vitro bulb formation of <i>Narcissus asturiensis</i> , a threatened species of the <i>Amaryllidaceae</i> . <i>Journal of Horticultural Science and Biotechnology</i> , 2002, 77, 149-152.	1.9	15
64	Nutritional value of potato tubers from field grown plants treated with deltamethrin. <i>Potato Research</i> , 2000, 43, 43-48.	2.7	5
65	Callus tissue of <i>Solanum tuberosum</i> L. cultured in the presence of the pyrethroid deltamethrin. <i>Annals of Applied Biology</i> , 1997, 131, 171-178.	2.5	0
66	Effects of Deltamethrin on Field Grown Potato Plants: Biochemical and Ultrastructural Aspects. <i>Annals of Botany</i> , 1993, 72, 263-267.	2.9	7
67	Effects of environmental constraints on the oxidative status of <i>Ascophyllum nodosum</i> and <i>Fucus serratus</i> . <i>Frontiers in Marine Science</i> , 0, 5, .	2.5	1