

Maria C De Pinto

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

3,260
citations

27
h-index

53
g-index

53
ext. papers

3,638
ext. citations

5
avg, IF

5.05
L-index

#	Paper	IF	Citations
51	The efficient physiological strategy of a novel tomato genotype to adapt to chronic combined water and heat stress. <i>Plant Biology</i> , 2022 , 24, 62-74	3.7	2
50	GUN1 involvement in the redox changes occurring during biogenic retrograde signaling. <i>Plant Science</i> , 2022 , 320, 111265	5.3	0
49	Filtering Activity and Nutrient Release by the Keratose Sponge <i>Sarcotragus spinosulus</i> Schmidt, 1862 (Porifera, Demospongiae) at the Laboratory Scale. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 178	2.4	0
48	<i>Chaetomorpha linum</i> in the bioremediation of aquaculture wastewater: Optimization of nutrient removal efficiency at the laboratory scale. <i>Aquaculture</i> , 2020 , 523, 735133	4.4	11
47	Cyclic AMP: A Polyhedral Signalling Molecule in Plants. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	16
46	Cyclic AMP mediates heat stress response by the control of redox homeostasis and ubiquitin-proteasome system. <i>Plant, Cell and Environment</i> , 2020 , 43, 2727-2742	8.4	7
45	Genetic buffering of cyclic AMP in <i>Arabidopsis thaliana</i> compromises the plant immune response triggered by an avirulent strain of <i>Pseudomonas syringae</i> pv. tomato. <i>Plant Journal</i> , 2019 , 98, 590-606	6.9	12
44	Effects of mineral and organic fertilization with the use of wet olive pomace on durum wheat performance. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2019 , 8, 245-254	3.1	5
43	Nitrogen Metabolism at Tillering Stage Differently Affects the Grain Yield and Grain Protein Content in Two Durum Wheat Cultivars. <i>Diversity</i> , 2019 , 11, 186	2.5	1
42	Vitamin C in Plants: From Functions to Biofortification. <i>Antioxidants</i> , 2019 , 8,	7.1	57
41	Plant Cell Cultures as Model Systems to Study Programmed Cell Death. <i>Methods in Molecular Biology</i> , 2018 , 1743, 173-186	1.4	3
40	Dynamic DNA Methylation Patterns in Stress Response. <i>RNA Technologies</i> , 2017 , 281-302	0.2	9
39	<i>Gigaspora margarita</i> with and without its endobacterium shows adaptive responses to oxidative stress. <i>Mycorrhiza</i> , 2017 , 27, 747-759	3.9	12
38	Chemistry, Biosynthesis, and Antioxidative Function of Glutathione in Plants 2017 , 1-27		3
37	Constitutive cyclic GMP accumulation in <i>Arabidopsis thaliana</i> compromises systemic acquired resistance induced by an avirulent pathogen by modulating local signals. <i>Scientific Reports</i> , 2016 , 6, 36423	4.9	23
36	Cyclic AMP deficiency negatively affects cell growth and enhances stress-related responses in tobacco Bright Yellow-2 cells. <i>Plant Molecular Biology</i> , 2016 , 90, 467-83	4.6	11
35	Nitric Oxide and Reactive Oxygen Species in PCD Signaling. <i>Advances in Botanical Research</i> , 2016 , 165-192	2.2	24

34	Glutamine synthetase in Durum Wheat: Genotypic Variation and Relationship with Grain Protein Content. <i>Frontiers in Plant Science</i> , 2016 , 7, 971	6.2	21
33	An interdomain network: the endobacterium of a mycorrhizal fungus promotes antioxidative responses in both fungal and plant hosts. <i>New Phytologist</i> , 2016 , 211, 265-75	9.8	48
32	Involvement of DNA methylation in the control of cell growth during heat stress in tobacco BY-2 cells. <i>Protoplasma</i> , 2015 , 252, 1451-9	3.4	23
31	Changes in antioxidants are critical in determining cell responses to short- and long-term heat stress. <i>Physiologia Plantarum</i> , 2015 , 153, 68-78	4.6	41
30	Role of redox homeostasis in thermo-tolerance under a climate change scenario. <i>Annals of Botany</i> , 2015 , 116, 487-96	4.1	50
29	Phenols and Antioxidant Activity in Vitro and in Vivo of Aqueous Extracts Obtained by Ultrasound-Assisted Extraction from Artichoke By-Products. <i>Natural Product Communications</i> , 2014 , 9, 1934578X1400900	0.9	10
28	Bioremediation of dry olive-mill residue removes inhibition of growth induced by this waste in tomato plants. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 21-32	3.3	8
27	Salinity-induced changes in S-nitrosylation of pea mitochondrial proteins. <i>Journal of Proteomics</i> , 2013 , 79, 87-99	3.9	131
26	S-nitrosylation of ascorbate peroxidase is part of programmed cell death signaling in tobacco Bright Yellow-2 cells. <i>Plant Physiology</i> , 2013 , 163, 1766-75	6.6	122
25	Galactone- δ -lactone-dependent ascorbate biosynthesis alters wheat kernel maturation. <i>Plant Biology</i> , 2012 , 14, 652-8	3.7	26
24	Redox regulation in plant programmed cell death. <i>Plant, Cell and Environment</i> , 2012 , 35, 234-44	8.4	163
23	The soluble proteome of tobacco Bright Yellow-2 cells undergoing H ₂ O ₂ -induced programmed cell death. <i>Journal of Experimental Botany</i> , 2012 , 63, 3137-55	7	14
22	Exploring the soluble proteome of Tobacco Bright Yellow-2 cells at the switch towards different cell fates in response to heat shocks. <i>Plant, Cell and Environment</i> , 2010 , 33, 1161-75	8.4	18
21	Redox homeostasis in plants. The challenge of living with endogenous oxygen production. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 173 Suppl, S13-9	2.8	80
20	The occurrence of riboflavin kinase and FAD synthetase ensures FAD synthesis in tobacco mitochondria and maintenance of cellular redox status. <i>FEBS Journal</i> , 2009 , 276, 219-31	5.7	42
19	Different involvement of the mitochondrial, plastidial and cytosolic ascorbate-glutathione redox enzymes in heat shock responses. <i>Physiologia Plantarum</i> , 2009 , 135, 296-306	4.6	50
18	Effect of some light rare earth elements on seed germination, seedling growth and antioxidant metabolism in <i>Triticum durum</i> . <i>Chemosphere</i> , 2009 , 75, 900-5	8.4	97
17	Production of reactive species and modulation of antioxidant network in response to heat shock: a critical balance for cell fate. <i>Plant, Cell and Environment</i> , 2008 , 31, 1606-19	8.4	105

16	Increase in ascorbate-glutathione metabolism as local and precocious systemic responses induced by cadmium in durum wheat plants. <i>Plant and Cell Physiology</i> , 2008 , 49, 362-74	4.9	171
15	In the early phase of programmed cell death in Tobacco Bright Yellow 2 cells the mitochondrial adenine nucleotide translocator, adenylate kinase and nucleoside diphosphate kinase are impaired in a reactive oxygen species-dependent manner. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007 , 1767, 66-78	4.6	26
14	Proteasome function is required for activation of programmed cell death in heat shocked tobacco Bright-Yellow 2 cells. <i>FEBS Letters</i> , 2007 , 581, 917-22	3.8	27
13	Hydrogen peroxide, nitric oxide and cytosolic ascorbate peroxidase at the crossroad between defence and cell death. <i>Plant Journal</i> , 2006 , 48, 784-95	6.9	180
12	Effects of storage temperature on viability, germination and antioxidant metabolism in Ginkgo biloba L. seeds. <i>Plant Physiology and Biochemistry</i> , 2006 , 44, 359-68	5.4	31
11	Production of reactive oxygen species, alteration of cytosolic ascorbate peroxidase, and impairment of mitochondrial metabolism are early events in heat shock-induced programmed cell death in tobacco Bright-Yellow 2 cells. <i>Plant Physiology</i> , 2004 , 134, 1100-12	6.6	327
10	Ectopic expression of maize polyamine oxidase and pea copper amine oxidase in the cell wall of tobacco plants. <i>Plant Physiology</i> , 2004 , 134, 1414-26	6.6	90
9	Changes in the ascorbate metabolism of apoplastic and symplastic spaces are associated with cell differentiation. <i>Journal of Experimental Botany</i> , 2004 , 55, 2559-69	7	113
8	Comparative effects of various nitric oxide donors on ferritin regulation, programmed cell death, and cell redox state in plant cells. <i>Journal of Plant Physiology</i> , 2004 , 161, 777-83	3.6	101
7	Exopolysaccharides produced by plant pathogenic bacteria affect ascorbate metabolism in <i>Nicotiana tabacum</i> . <i>Plant and Cell Physiology</i> , 2003 , 44, 803-10	4.9	27
6	Redox regulation and storage processes during maturation in kernels of <i>Triticum durum</i> . <i>Journal of Experimental Botany</i> , 2003 , 54, 249-58	7	146
5	The antioxidant systems vis-à-vis reactive oxygen species during plant-pathogen interaction. <i>Plant Physiology and Biochemistry</i> , 2003 , 41, 863-870	5.4	293
4	Changes in the antioxidant systems as part of the signaling pathway responsible for the programmed cell death activated by nitric oxide and reactive oxygen species in tobacco Bright-Yellow 2 cells. <i>Plant Physiology</i> , 2002 , 130, 698-708	6.6	236
3	A comparative study of glutathione and ascorbate metabolism during germination of <i>Pinus pinea</i> L. seeds. <i>Journal of Experimental Botany</i> , 2001 , 52, 1647-1654	7	119
2	Enzymes of the ascorbate biosynthesis and ascorbate-glutathione cycle in cultured cells of tobacco Bright Yellow 2. <i>Plant Physiology and Biochemistry</i> , 2000 , 38, 541-550	5.4	80
1	Lycorine: A powerful inhibitor of L-galactono- δ -lactone dehydrogenase activity. <i>Journal of Plant Physiology</i> , 1997 , 150, 362-364	3.6	48