Michela Zottini

List of Publications by Year
in descending order

52 papers	2,781 citations	159585 30 h-index	197818 49 g-index
53 all docs	53 docs citations	53 times ranked	3484 citing authors

#	Article	IF	Citations
1	Nitric Oxide Is Involved in Cadmium-Induced Programmed Cell Death in Arabidopsis Suspension Cultures Â Â. Plant Physiology, 2009, 150, 217-228.	4.8	243
2	Genetic engineering of parthenocarpic plants. Nature Biotechnology, 1997, 15, 1398-1401.	17.5	214
3	H2O2 in plant peroxisomes: an in vivo analysis uncovers a Ca2+-dependent scavenging system. Plant Journal, 2010, 62, 760-772.	5.7	211
4	Salicylic acid activates nitric oxide synthesis in Arabidopsis. Journal of Experimental Botany, 2007, 58, 1397-1405.	4.8	173
5	Nitric oxide affects plant mitochondrial functionality in vivo. FEBS Letters, 2002, 515, 75-78.	2.8	165
6	Cytokinins: new apoptotic inducers in plants. Planta, 2003, 216, 413-421.	3.2	142
7	Targeting of Cameleons to various subcellular compartments reveals a strict cytoplasmic/mitochondrial Ca²⁺ handling relationship in plant cells. Plant Journal, 2012, 71, 1-13.	5.7	131
8	Agroinfiltration of grapevine leaves for fast transient assays of gene expression and for long-term production of stable transformed cells. Plant Cell Reports, 2008, 27, 845-853.	5.6	91
9	The onset of grapevine berry ripening is characterized by ROS accumulation and lipoxygenase-mediated membrane peroxidation in the skin. BMC Plant Biology, 2014, 14, 87.	3.6	87
10	NO signalling in cytokinin-induced programmed cell death. Plant, Cell and Environment, 2005, 28, 1171-1178.	5.7	80
11	Exploring the potential of vineyards for biodiversity conservation and delivery of biodiversity-mediated ecosystem services: A global-scale systematic review. Science of the Total Environment, 2020, 706, 135839.	8.0	77
12	The Role of the Endophytic Microbiome in the Grapevine Response to Environmental Triggers. Frontiers in Plant Science, 2019, 10, 1256.	3.6	73
13	Chloroplast-Specific in Vivo Ca²⁺ Imaging Using Yellow Cameleon Fluorescent Protein Sensors Reveals Organelle-Autonomous Ca²⁺ Signatures in the Stroma. Plant Physiology, 2016, 171, 2317-2330.	4.8	71
14	Genetically modified parthenocarpic eggplants: improved fruit productivity under both greenhouse and open field cultivation. BMC Biotechnology, 2002, 2, 4.	3.3	65
15	Transcriptome and Cell Physiological Analyses in Different Rice Cultivars Provide New Insights Into Adaptive and Salinity Stress Responses. Frontiers in Plant Science, 2018, 9, 204.	3.6	65
16	Growth and senescence of Medicago truncatula cultured cells are associated with characteristic mitochondrial morphology. New Phytologist, 2006, 172, 239-247.	7.3	52
17	Transcriptome analysis of Medicago truncatula leaf senescence: similarities and differences in metabolic and transcriptional regulations as compared with Arabidopsis, nodule senescence and nitric oxide signalling. New Phytologist, 2009, 181, 563-575.	7.3	52
18	High levels of the cytokinin BAP induce PCD by accelerating senescence. Plant Science, 2004, 166, 963-969.	3.6	49

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19	Overexpression of 14-3-3 proteins enhances cold tolerance and increases levels of stress-responsive proteins of Arabidopsis plants. Plant Science, 2019, 289, 110215.	3.6	47
20	Biocontrol traits of Bacillus licheniformis GL174, a culturable endophyte of Vitis vinifera cv. Glera. BMC Microbiology, 2018, 18, 133.	3.3	45
21	Molecular analysis of the early interaction between the grapevine flower and <scp>Botrytis cinerea</scp> reveals that prompt activation of specific host pathways leads to fungus quiescence. Plant, Cell and Environment, 2017, 40, 1409-1428.	5.7	44
22	Identification of in vivo nitrosylated phytochelatins in Arabidopsis thaliana cells by liquid chromatography-direct electrospray-linear ion trap-mass spectrometry. Journal of Chromatography A, 2010, 1217, 4120-4126.	3.7	41
23	Beneficial Bacteria Isolated from Grapevine Inner Tissues Shape Arabidopsis thaliana Roots. PLoS ONE, 2015, 10, e0140252.	2.5	41
24	In Vivo NADH/NAD⁺ Biosensing Reveals the Dynamics of Cytosolic Redox Metabolism in Plants. Plant Cell, 2020, 32, 3324-3345.	6.6	40
25	Illuminating the hidden world of calcium ions in plants with a universe of indicators. Plant Physiology, 2021, 187, 550-571.	4.8	37
26	Genome communication in plants mediated by organelleâ€“nÂucleus-located proteins. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190397.	4.0	36
27	Limits in the use of cPTIO as nitric oxide scavenger and EPR probe in plant cells and seedlings. Frontiers in Plant Science, 2013, 4, 340.	3.6	34
28	Oxidation of External NAD(P)H by Mitochondria from Taproots and Tissue Cultures of Sugar Beet (Beta vulgaris). Plant Physiology, 1993, 102, 579-585.	4.8	33
29	The Use of Fura-2 Fluorescence to Monitor the Movement of Free Calcium Ions into the Matrix of Plant Mitochondria (Pisum sativum and Helianthus tuberosus). Plant Physiology, 1993, 102, 573-578.	4.8	33
30	Management Intensity and Topography Determined Plant Diversity in Vineyards. PLoS ONE, 2013, 8, e76167.	2.5	33
31	Mitochondria Change Dynamics and Morphology during Grapevine Leaf Senescence. PLoS ONE, 2014, 9, e102012.	2.5	31
32	Extracellular 2-chloroadenosine and ATP stimulate volume-sensitive Clâ^'current and calcium mobilization in human tracheal 9HTEoâ^' cells. FEBS Letters, 1992, 304, 61-65.	2.8	28
33	Ornamental traits modification by Rol genes in Osteospermum ecklonis transformed with Agrobacterium tumefaciens. In Vitro Cellular and Developmental Biology - Plant, 1999, 35, 70-75.	2.1	26
34	The co-chaperone p23 controls root development through the modulation of auxin distribution in theArabidopsisroot meristem. Journal of Experimental Botany, 2015, 66, 5113-5122.	4.8	20
35	FISSION1A, an Arabidopsis Tail-Anchored Protein, Is Localized to Three Subcellular Compartments. Molecular Plant, 2014, 7, 1393-1396.	8.3	19
36	Systemic Calcium Wave Propagation in Physcomitrella patens. Plant and Cell Physiology, 2018, 59, 1377-1384.	3.1	19

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37	The D3cpv Cameleon reports Ca²⁺ dynamics in plant mitochondria with similar kinetics of the YC3.6 Cameleon, but with a lower sensitivity. Journal of Microscopy, 2013, 249, 8-12.	1.8	18
38	Do vineyards in contrasting landscapes contribute to conserve plant species of dry calcareous grasslands?. Science of the Total Environment, 2016, 545-546, 244-249.	8.0	18
39	H2O2 Signature and Innate Antioxidative Profile Make the Difference Between Sensitivity and Tolerance to Salt in Rice Cells. Frontiers in Plant Science, 2018, 9, 1549.	3.6	13
40	Adenosine A1 receptor-mediated inhibition of evoked glutamate release is coupled to calcium influx decrease in goldfish brain synaptosomes. Brain Research, 1993, 620, 245-250.	2.2	12
41	An Agrobacterium tumefaciens-mediated gene silencing system for functional analysis in grapevine. Plant Cell, Tissue and Organ Culture, 2013, 114, 49-60.	2.3	12
42	The p23 co-chaperone protein is a novel substrate of CK2 in Arabidopsis. Molecular and Cellular Biochemistry, 2011, 356, 245-254.	3.1	10
43	WHIRLY2 plays a key role in mitochondria morphology, dynamics, and functionality in Arabidopsis thaliana. Plant Direct, 2020, 4, e00229.	1.9	10
44	Effects of Î³-ray treatment onCannabis saliva pollen viability. Plant Cell, Tissue and Organ Culture, 1997, 47, 189-194.	2.3	9
45	Salicylic acid differentially affects suspension cell cultures of Lotus japonicus and one of its non-symbiotic mutants. Plant Molecular Biology, 2010, 72, 469-483.	3.9	9
46	Peroxisome Ca2+ Homeostasis in Animal and Plant Cells. Sub-Cellular Biochemistry, 2013, 69, 111-133.	2.4	8
47	Effects of 3,5-Dibromo-4-Hydroxybenzonitrile (Bromoxynil) on Bioenergetics of Higher Plant Mitochondria (Pisum sativum). Plant Physiology, 1994, 106, 1483-1488.	4.8	6
48	Phosphorylation of p23-1 cochaperone by protein kinase CK2 affects root development in Arabidopsis. Scientific Reports, 2019, 9, 9846.	3.3	5
49	Genetically Modified Parthenocarpic Eggplants. , 2011, , 121-132.		1
50	Cross-Talk of Mitochondria and Chloroplasts. Advances in Photosynthesis and Respiration, 2013, , 481-502.	1.0	1
51	Expression of the VvMYB60 Transcription Factor Is Restricted to Guard Cells and Correlates with the Stomatal Conductance of the Grape Leaf. Agronomy, 2022, 12, 694.	3.0	1
52	Transgenic Parthenocarpic and Insect-Resistant Eggplant. , 2002, , .		0