

# Michela Zottini

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Expression of the VvMYB60 Transcription Factor Is Restricted to Guard Cells and Correlates with the Stomatal Conductance of the Grape Leaf. <i>Agronomy</i> , 2022, 12, 694.	3.0	1
2	Illuminating the hidden world of calcium ions in plants with a universe of indicators. <i>Plant Physiology</i> , 2021, 187, 550-571.	4.8	37
3	Exploring the potential of vineyards for biodiversity conservation and delivery of biodiversity-mediated ecosystem services: A global-scale systematic review. <i>Science of the Total Environment</i> , 2020, 706, 135839.	8.0	77
4	In Vivo NADH/NAD <sup>+</sup> Biosensing Reveals the Dynamics of Cytosolic Redox Metabolism in Plants. <i>Plant Cell</i> , 2020, 32, 3324-3345.	6.6	40
5	Genome communication in plants mediated by organelle-located proteins. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190397.	4.0	36
6	WHIRLY2 plays a key role in mitochondria morphology, dynamics, and functionality in <i>Arabidopsis thaliana</i> . <i>Plant Direct</i> , 2020, 4, e00229.	1.9	10
7	Phosphorylation of p23-1 cochaperone by protein kinase CK2 affects root development in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2019, 9, 9846.	3.3	5
8	The Role of the Endophytic Microbiome in the Grapevine Response to Environmental Triggers. <i>Frontiers in Plant Science</i> , 2019, 10, 1256.	3.6	73
9	Overexpression of 14-3-3 proteins enhances cold tolerance and increases levels of stress-responsive proteins of <i>Arabidopsis</i> plants. <i>Plant Science</i> , 2019, 289, 110215.	3.6	47
10	H <sub>2</sub> O <sub>2</sub> Signature and Innate Antioxidative Profile Make the Difference Between Sensitivity and Tolerance to Salt in Rice Cells. <i>Frontiers in Plant Science</i> , 2018, 9, 1549.	3.6	13
11	Biocontrol traits of <i>Bacillus licheniformis</i> GL174, a culturable endophyte of <i>Vitis vinifera</i> cv. Glera. <i>BMC Microbiology</i> , 2018, 18, 133.	3.3	45
12	Transcriptome and Cell Physiological Analyses in Different Rice Cultivars Provide New Insights Into Adaptive and Salinity Stress Responses. <i>Frontiers in Plant Science</i> , 2018, 9, 204.	3.6	65
13	Systemic Calcium Wave Propagation in <i>Physcomitrella patens</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1377-1384.	3.1	19
14	Molecular analysis of the early interaction between the grapevine flower and <i>Botrytis cinerea</i> reveals that prompt activation of specific host pathways leads to fungus quiescence. <i>Plant, Cell and Environment</i> , 2017, 40, 1409-1428.	5.7	44
15	Chloroplast-Specific in Vivo Ca <sup>2+</sup> Imaging Using Yellow Cameleon Fluorescent Protein Sensors Reveals Organelle-Autonomous Ca <sup>2+</sup> Signatures in the Stroma. <i>Plant Physiology</i> , 2016, 171, 2317-2330.	4.8	71
16	Do vineyards in contrasting landscapes contribute to conserve plant species of dry calcareous grasslands?. <i>Science of the Total Environment</i> , 2016, 545-546, 244-249.	8.0	18
17	Beneficial Bacteria Isolated from Grapevine Inner Tissues Shape <i>Arabidopsis thaliana</i> Roots. <i>PLoS ONE</i> , 2015, 10, e0140252.	2.5	41
18	The co-chaperone p23 controls root development through the modulation of auxin distribution in the <i>Arabidopsis</i> root meristem. <i>Journal of Experimental Botany</i> , 2015, 66, 5113-5122.	4.8	20

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19	Mitochondria Change Dynamics and Morphology during Grapevine Leaf Senescence. PLoS ONE, 2014, 9, e102012.	2.5	31
20	FISSION1A, an Arabidopsis Tail-Anchored Protein, Is Localized to Three Subcellular Compartments. Molecular Plant, 2014, 7, 1393-1396.	8.3	19
21	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
22	The D3cpv Cameleon reports Ca <sup>2+</sup> 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
23	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
24	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
25	Management Intensity and Topography Determined Plant Diversity in Vineyards. PLoS ONE, 2013, 8, e76167.	2.5	33
26	Peroxisome Ca <sup>2+</sup> Homeostasis in Animal and Plant Cells. Sub-Cellular Biochemistry, 2013, 69, 111-133.	2.4	8
27	Cross-Talk of Mitochondria and Chloroplasts. Advances in Photosynthesis and Respiration, 2013, , 481-502.	1.0	1
28	Targeting of Cameleons to various subcellular compartments reveals a strict cytoplasmic/mitochondrial Ca <sup>2+</sup> handling relationship in plant cells. Plant Journal, 2012, 71, 1-13.	5.7	131
29	Genetically Modified Parthenocarpic Eggplants. , 2011, , 121-132.		1
30	The p23 co-chaperone protein is a novel substrate of CK2 in Arabidopsis. Molecular and Cellular Biochemistry, 2011, 356, 245-254.	3.1	10
31	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
32	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
33	H <sub>2</sub> O <sub>2</sub> in plant peroxisomes: an in vivo analysis uncovers a Ca <sup>2+</sup> -dependent scavenging system. Plant Journal, 2010, 62, 760-772.	5.7	211
34	Transcriptome analysis of <i>Medicago truncatula</i> leaf senescence: similarities and differences in metabolic and transcriptional regulations as compared with <i>Arabidopsis</i> , nodule senescence and nitric oxide signalling. New Phytologist, 2009, 181, 563-575.	7.3	52
35	Nitric Oxide Is Involved in Cadmium-Induced Programmed Cell Death in Arabidopsis Suspension Cultures. Plant Physiology, 2009, 150, 217-228.	4.8	243
36	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

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37	Salicylic acid activates nitric oxide synthesis in Arabidopsis. <i>Journal of Experimental Botany</i> , 2007, 58, 1397-1405.	4.8	173
38	Growth and senescence of <i>Medicago truncatula</i> cultured cells are associated with characteristic mitochondrial morphology. <i>New Phytologist</i> , 2006, 172, 239-247.	7.3	52
39	NO signalling in cytokinin-induced programmed cell death. <i>Plant, Cell and Environment</i> , 2005, 28, 1171-1178.	5.7	80
40	High levels of the cytokinin BAP induce PCD by accelerating senescence. <i>Plant Science</i> , 2004, 166, 963-969.	3.6	49
41	Cytokinins: new apoptotic inducers in plants. <i>Planta</i> , 2003, 216, 413-421.	3.2	142
42	Nitric oxide affects plant mitochondrial functionality in vivo. <i>FEBS Letters</i> , 2002, 515, 75-78.	2.8	165
43	Genetically modified parthenocarpic eggplants: improved fruit productivity under both greenhouse and open field cultivation. <i>BMC Biotechnology</i> , 2002, 2, 4.	3.3	65
44	Transgenic Parthenocarpic and Insect-Resistant Eggplant. , 2002, , .		0
45	Ornamental traits modification by Rol genes in <i>Osteospermum ecklonis</i> transformed with <i>Agrobacterium tumefaciens</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1999, 35, 70-75.	2.1	26
46	Genetic engineering of parthenocarpic plants. <i>Nature Biotechnology</i> , 1997, 15, 1398-1401.	17.5	214
47	Effects of $\hat{1}^3$ -ray treatment on <i>Cannabis saliva</i> pollen viability. <i>Plant Cell, Tissue and Organ Culture</i> , 1997, 47, 189-194.	2.3	9
48	Effects of 3,5-Dibromo-4-Hydroxybenzoxynil (Bromoxynil) on Bioenergetics of Higher Plant Mitochondria ( <i>Pisum sativum</i> ). <i>Plant Physiology</i> , 1994, 106, 1483-1488.	4.8	6
49	Adenosine A1 receptor-mediated inhibition of evoked glutamate release is coupled to calcium influx decrease in goldfish brain synaptosomes. <i>Brain Research</i> , 1993, 620, 245-250.	2.2	12
50	Oxidation of External NAD(P)H by Mitochondria from Taproots and Tissue Cultures of Sugar Beet ( <i>Beta vulgaris</i> ). <i>Plant Physiology</i> , 1993, 102, 579-585.	4.8	33
51	The Use of Fura-2 Fluorescence to Monitor the Movement of Free Calcium Ions into the Matrix of Plant Mitochondria ( <i>Pisum sativum</i> and <i>Helianthus tuberosus</i> ). <i>Plant Physiology</i> , 1993, 102, 573-578.	4.8	33
52	Extracellular 2-chloroadenosine and ATP stimulate volume-sensitive $Cl^-$ current and calcium mobilization in human tracheal $9HTeO_3^-$ cells. <i>FEBS Letters</i> , 1992, 304, 61-65.	2.8	28