

# Roberto De Michele

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,358  
citations

393982

19  
h-index

525886

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric Oxide Is Involved in Cadmium-Induced Programmed Cell Death in Arabidopsis Suspension Cultures. <i>Plant Physiology</i> , 2009, 150, 217-228.	2.3	243
2	Salicylic acid activates nitric oxide synthesis in Arabidopsis. <i>Journal of Experimental Botany</i> , 2007, 58, 1397-1405.	2.4	173
3	S-Nitrosoglutathione is a component of wound- and salicylic acid-induced systemic responses in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2012, 63, 3219-3227.	2.4	97
4	Single-particle analysis reveals shutoff control of the <i>Arabidopsis</i> ammonium transporter AMT1;3 by clustering and internalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13204-13209.	3.3	91
5	Ratiometric Matryoshka biosensors from a nested cassette of green- and orange-emitting fluorescent proteins. <i>Nature Communications</i> , 2017, 8, 431.	5.8	83
6	NO signalling in cytokinin-induced programmed cell death. <i>Plant, Cell and Environment</i> , 2005, 28, 1171-1178.	2.8	80
7	Nitric oxide gas stimulates germination of dormant Arabidopsis seeds: use of a flow-through apparatus for delivery of nitric oxide. <i>Planta</i> , 2006, 223, 813-820.	1.6	72
8	Fluorescent sensors reporting the activity of ammonium transporters in live cells. <i>ELife</i> , 2013, 2, e00800.	2.8	53
9	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. <i>New Phytologist</i> , 2009, 181, 563-575.	3.5	52
10	High levels of the cytokinin BAP induce PCD by accelerating senescence. <i>Plant Science</i> , 2004, 166, 963-969.	1.7	49
11	Mitochondrial biosensors. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 48, 39-44.	1.2	48
12	Free-Flow Electrophoresis of Plasma Membrane Vesicles Enriched by Two-Phase Partitioning Enhances the Quality of the Proteome from <i>Arabidopsis</i> Seedlings. <i>Journal of Proteome Research</i> , 2016, 15, 900-913.	1.8	47
13	Phylogenetic Relationship Among Wild and Cultivated Grapevine in Sicily: A Hotspot in the Middle of the Mediterranean Basin. <i>Frontiers in Plant Science</i> , 2019, 10, 1506.	1.7	33
14	Mitochondria Change Dynamics and Morphology during Grapevine Leaf Senescence. <i>PLoS ONE</i> , 2014, 9, e102012.	1.1	31
15	Intra-varietal genetic diversity of the grapevine ( <i>Vitis vinifera</i> L.) cultivar "Nero d'Avola" as revealed by microsatellite markers. <i>Genetic Resources and Crop Evolution</i> , 2011, 58, 967-975.	0.8	30
16	A dominant negative mutant of protein kinase CK2 exhibits altered auxin responses in Arabidopsis. <i>Plant Journal</i> , 2011, 67, 169-180.	2.8	29
17	Transcriptome analysis and codominant markers development in caper, a drought tolerant orphan crop with medicinal value. <i>Scientific Reports</i> , 2019, 9, 10411.	1.6	23
18	Habitat features and genetic integrity of wild grapevine <i>Vitis vinifera</i> L. subsp. <i>sylvestris</i> (C.C. Gmel.) Hegi populations: A case study from Sicily. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2013, 208, 538-548.	0.6	21

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19	Transcriptomic Analysis Reveals the Roles of Detoxification Systems in Response to Mercury in <i>Chromera velia</i> . <i>Biomolecules</i> , 2019, 9, 647.	1.8	21
20	Urgent need for preservation of grapevine ( <i>Vitis vinifera</i> L. subsp. <i>vinifera</i> ) germplasm from small circum-Sicilian islands as revealed by SSR markers and traditional use investigations. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 1395-1415.	0.8	16
21	Legume leaf senescence. <i>Plant Signaling and Behavior</i> , 2009, 4, 322-323.	1.2	14
22	Single-fluorophore membrane transport activity sensors with dual-emission read-out. <i>ELife</i> , 2015, 4, e07113.	2.8	13
23	Hydrogen sulfide directs metabolic flux towards the lignan biosynthesis in <i>Linum album</i> hairy roots. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 359-371.	2.8	13
24	Ammonium and Urea Transporter Inventory of the <i>Selaginella</i> and <i>Physcomitrella</i> Genomes. <i>Frontiers in Plant Science</i> , 2012, 3, 62.	1.7	11
25	Cell death induced by mycotoxin fumonisin B1 is accompanied by oxidative stress and transcriptional modulation in <i>Arabidopsis</i> cell culture. <i>Plant Cell Reports</i> , 2022, 41, 1733-1750.	2.8	7
26	Linking protein kinase CK2 and auxin transport. <i>Plant Signaling and Behavior</i> , 2011, 6, 1603-1605.	1.2	5
27	Quantification of Extracellular Ammonium Concentrations and Transporter Activity in Yeast Using AmTrac Fluorescent Sensors. <i>Bio-protocol</i> , 2015, 5, .	0.2	3