

Magdalena Rossi

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56
papers

2,294
citations

27
h-index

47
g-index

62
ext. papers

2,745
ext. citations

5.9
avg, IF

4.46
L-index

#	Paper	IF	Citations
56	The nematode resistance gene Mi of tomato confers resistance against the potato aphid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9750-4	11.5	572
55	Analysis and functional annotation of an expressed sequence tag collection for tropical crop sugarcane. <i>Genome Research</i> , 2003 , 13, 2725-35	9.7	207
54	Natural occurring epialleles determine vitamin E accumulation in tomato fruits. <i>Nature Communications</i> , 2014 , 5, 3027	17.4	128
53	Differential expression of the members of the Asr gene family in tomato (<i>Lycopersicon esculentum</i>). <i>Plant Science</i> , 2001 , 161, 739-746	5.3	81
52	The nematode-resistance gene, Mi-1, is associated with an inverted chromosomal segment in susceptible compared to resistant tomato. <i>Theoretical and Applied Genetics</i> , 2004 , 108, 1635-42	6	69
51	Transcriptional regulation of tocopherol biosynthesis in tomato. <i>Plant Molecular Biology</i> , 2013 , 81, 309-256	4.6	67
50	Different mechanisms are responsible for chlorophyll dephytylation during fruit ripening and leaf senescence in tomato. <i>Plant Physiology</i> , 2014 , 166, 44-56	6.6	66
49	Genetic dissection of vitamin E biosynthesis in tomato. <i>Journal of Experimental Botany</i> , 2011 , 62, 3781-98	5.8	58
48	Nitric Oxide, Ethylene, and Auxin Cross Talk Mediates Greening and Plastid Development in Deetioliating Tomato Seedlings. <i>Plant Physiology</i> , 2016 , 170, 2278-94	6.6	50
47	Transcriptionally active transposable elements in recent hybrid sugarcane. <i>Plant Journal</i> , 2005 , 44, 707-17	4.9	49
46	Essential role for phytol kinase and tocopherol in tolerance to combined light and temperature stress in tomato. <i>Journal of Experimental Botany</i> , 2017 , 68, 5845-5856	7	47
45	Genomic analysis of wild tomato introgressions determining metabolism- and yield-associated traits. <i>Plant Physiology</i> , 2010 , 152, 1772-86	6.6	45
44	Manipulation of a Senescence-Associated Gene Improves Fleshy Fruit Yield. <i>Plant Physiology</i> , 2017 , 175, 77-91	6.6	44
43	Light, Ethylene and Auxin Signaling Interaction Regulates Carotenoid Biosynthesis During Tomato Fruit Ripening. <i>Frontiers in Plant Science</i> , 2018 , 9, 1370	6.2	44
42	Crop yield: challenges from a metabolic perspective. <i>Current Opinion in Plant Biology</i> , 2015 , 25, 79-89	9.9	43
41	The genetic architecture of photosynthesis and plant growth-related traits in tomato. <i>Plant, Cell and Environment</i> , 2018 , 41, 327-341	8.4	40
40	Comparative transcriptome analysis of early somatic embryo formation and seed development in Brazilian pine, <i>Araucaria angustifolia</i> (Bertol.) Kuntze. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 120, 903-915	2.7	39

39	A candidate gene survey of quantitative trait loci affecting chemical composition in tomato fruit. <i>Journal of Experimental Botany</i> , 2008 , 59, 2875-90	7	39
38	Coupling virus-induced gene silencing to exogenous green fluorescence protein expression provides a highly efficient system for functional genomics in Arabidopsis and across all stages of tomato fruit development. <i>Plant Physiology</i> , 2011 , 156, 1278-91	6.6	37
37	Survey of transposable elements in sugarcane expressed sequence tags (ESTs). <i>Genetics and Molecular Biology</i> , 2001 , 24, 147-154	2	37
36	Down-regulation of tomato PHYTOL KINASE strongly impairs tocopherol biosynthesis and affects prenillipid metabolism in an organ-specific manner. <i>Journal of Experimental Botany</i> , 2016 , 67, 919-34	7	33
35	Tomato (<i>Lycopersicon esculentum</i>) genomic clone homologous to a gene encoding an abscisic acid-induced protein. <i>Plant Physiology</i> , 1994 , 104, 1073-4	6.6	33
34	PHYTOCHROME-INTERACTING FACTOR 3 mediates light-dependent induction of tocopherol biosynthesis during tomato fruit ripening. <i>Plant, Cell and Environment</i> , 2019 , 42, 1328-1339	8.4	32
33	Fruit-localized phytochromes regulate plastid biogenesis, starch synthesis, and carotenoid metabolism in tomato. <i>Journal of Experimental Botany</i> , 2018 , 69, 3573-3586	7	31
32	Strain-specific polyketide synthase genes of <i>Aspergillus niger</i> . <i>International Journal of Food Microbiology</i> , 2012 , 155, 137-45	5.8	29
31	Phytochromobilin deficiency impairs sugar metabolism through the regulation of cytokinin and auxin signaling in tomato fruits. <i>Scientific Reports</i> , 2017 , 7, 7822	4.9	28
30	Phytochrome Interacting Factors (PIFs) in <i>Solanum lycopersicum</i> : Diversity, Evolutionary History and Expression Profiling during Different Developmental Processes. <i>PLoS ONE</i> , 2016 , 11, e0165929	3.7	28
29	Galacturonosyltransferase 4 silencing alters pectin composition and carbon partitioning in tomato. <i>Journal of Experimental Botany</i> , 2013 , 64, 2449-66	7	23
28	Fruits from ripening impaired, chlorophyll degraded and jasmonate insensitive tomato mutants have altered tocopherol content and composition. <i>Phytochemistry</i> , 2015 , 111, 72-83	4	22
27	Pheophytinase Knockdown Impacts Carbon Metabolism and Nutraceutical Content Under Normal Growth Conditions in Tomato. <i>Plant and Cell Physiology</i> , 2016 , 57, 642-53	4.9	22
26	Analysis of an abscisic acid (ABA)-responsive gene promoter belonging to the <i>Asr</i> gene family from tomato in homologous and heterologous systems. <i>Molecular Genetics and Genomics</i> , 1998 , 258, 1-8		21
25	Multifaceted roles of nitric oxide in tomato fruit ripening: NO-induced metabolic rewiring and consequences for fruit quality traits. <i>Journal of Experimental Botany</i> , 2021 , 72, 941-958	7	21
24	Acylated Flavonoid Glycosides are the Main Pigments that Determine the Flower Colour of the Brazilian Native Tree (<i>Cham.</i>) <i>Cogn. Molecules</i> , 2019 , 24,	4.8	18
23	Downregulation of PHYTOCHROME-INTERACTING FACTOR 4 Influences Plant Development and Fruit Production. <i>Plant Physiology</i> , 2019 , 181, 1360-1370	6.6	16
22	Radiation of the <i>Tnt1</i> retrotransposon superfamily in three Solanaceae genera. <i>BMC Evolutionary Biology</i> , 2007 , 7, 34	3	16

21	Beyond the limits of photoperception: constitutively active PHYTOCHROME B2 overexpression as a means of improving fruit nutritional quality in tomato. <i>Plant Biotechnology Journal</i> , 2020 , 18, 2027	11.6	15
20	Silencing of the tomato sugar partitioning affecting protein (SPA) modifies sink strength through a shift in leaf sugar metabolism. <i>Plant Journal</i> , 2014 , 77, 676-87	6.9	15
19	MudrA-like sequences from rice and sugarcane cluster as two bona fide transposon clades and two domesticated transposases. <i>Gene</i> , 2007 , 392, 117-25	3.8	15
18	Plant degreening: evolution and expression of tomato (<i>Solanum lycopersicum</i>) dephytylation enzymes. <i>Gene</i> , 2014 , 546, 359-66	3.8	13
17	<i>Solanum lycopersicum</i> GOLDEN 2-LIKE 2 transcription factor affects fruit quality in a light- and auxin-dependent manner. <i>PLoS ONE</i> , 2019 , 14, e0212224	3.7	13
16	A Tomato Tocopherol-Binding Protein Sheds Light on Intracellular Tocopherol Metabolism in Plants. <i>Plant and Cell Physiology</i> , 2018 , 59, 2188-2203	4.9	13
15	Phytochrome-Dependent Temperature Perception Modulates Isoprenoid Metabolism. <i>Plant Physiology</i> , 2020 , 183, 869-882	6.6	9
14	Acquisition and diversification of tendrilled leaves in Bignoniaceae (Bignoniaceae) involved changes in expression patterns of SHOOTMERISTEMLESS (STM), LEAFY/FLOREAUCAULA (LFY/FLO), and PHANTASTICA (PHAN). <i>New Phytologist</i> , 2014 , 201, 993-1008	9.8	9
13	Identification and Evaluation of Reference Genes for Quantitative Analysis of Brazilian Pine (<i>Araucaria angustifolia</i> Bertol. Kuntze) Gene Expression. <i>PLoS ONE</i> , 2015 , 10, e0136714	3.7	8
12	<i>Asr</i> . <i>Molecular Genetics and Genomics</i> , 1996 , 252, 489		8
11	Mutator System Derivatives Isolated from Sugarcane Genome Sequence. <i>Tropical Plant Biology</i> , 2012 , 5, 233-243	1.6	7
10	Functional characterization of sugarcane mustang domesticated transposases and comparative diversity in sugarcane, rice, maize and sorghum. <i>Genetics and Molecular Biology</i> , 2012 , 35, 632-9	2	7
9	Sequence of <i>Asr2</i> , a member of a gene family from <i>Lycopersicon esculentum</i> encoding chromosomal proteins: homology to an intron of the polygalacturonase gene. <i>DNA Sequence</i> , 1995 , 5, 225-7		6
8	Extremely low nucleotide diversity among thirty-six new chloroplast genome sequences from (Heliantheae, Asteraceae) and comparative chloroplast genomics analyses with closely related genera. <i>PeerJ</i> , 2021 , 9, e10886	3.1	5
7	Light and ripening-regulated BBX protein-encoding genes in <i>Solanum lycopersicum</i> . <i>Scientific Reports</i> , 2020 , 10, 19235	4.9	4
6	Metabolome of <i>Ceratodon purpureus</i> (Hedw.) Brid., a cosmopolitan moss: the influence of seasonality.. <i>Planta</i> , 2022 , 255, 77	4.7	3
5	The Regulation of Floral Colour Change in (DC.) Gardner. <i>Molecules</i> , 2020 , 25,	4.8	2
4	WRKY transcription factors and ethylene signaling modify root growth during the shade avoidance response. <i>Plant Physiology</i> , 2021 ,	6.6	2

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| 3 | The cytosolic invertase NI6 affects vegetative growth, flowering, fruit set, and yield in tomato. <i>Journal of Experimental Botany</i> , 2021 , 72, 2525-2543 | 7 | 2 |
| 2 | Phytochrome-Mediated Light Perception Affects Fruit Development and Ripening Through Epigenetic Mechanisms.. <i>Frontiers in Plant Science</i> , 2022 , 13, 870974 | 6.2 | |
| 1 | Regulatory mechanisms behind the phenotypic plasticity associated with <i>Setaria italica</i> water deficit tolerance.. <i>Plant Molecular Biology</i> , 2022 , 1 | 4.6 | |