Andrea Mazzucato

List of Publications by Year
in descending order

38 papers	2,185 citations	331670 21 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	2761 citing authors

#	Article	IF	Citations
1	Genomic analyses provide insights into the history of tomato breeding. Nature Genetics, 2014, 46, 1220-1226.	21.4	801
2	Purple as a tomato: towards high anthocyanin tomatoes. Trends in Plant Science, 2009, 14, 237-241.	8.8	174
3	Genetic diversity, structure and marker-trait associations in a collection of Italian tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Overl	3.6	150
4	Transcriptional analysis in high-anthocyanin tomatoes reveals synergistic effect of Aft and atv genes. Journal of Plant Physiology, 2011, 168, 270-279.	3.5	116
5	Exploring a Tomato Landraces Collection for Fruit-Related Traits by the Aid of a High-Throughput Genomic Platform. PLoS ONE, 2015, 10, e0137139.	2.5	91
6	Tomato fruit set driven by pollination or by the parthenocarpic fruit allele are mediated by transcriptionally regulated gibberellin biosynthesis. Planta, 2007, 226, 877-888.	3.2	83
7	Metabolite Profiling of Italian Tomato Landraces with Different Fruit Types. Frontiers in Plant Science, 2016, 7, 664.	3.6	65
8	A TILLING allele of the tomato Aux/IAA9 gene offers new insights into fruit set mechanisms and perspectives for breeding seedless tomatoes. Molecular Breeding, 2015, 35, 1.	2.1	53
9	Genetic diversity and distinctiveness in tomato (Solanum lycopersicum L.) landraces: The Italian case study of â€˜A pera Abruzzeseâ€™. Scientia Horticulturae, 2010, 125, 55-62.	3.6	52
10	Nutraceutical Characterization of Anthocyanin-Rich Fruits Produced by â€œSun Blackâ€•Tomato Line. Frontiers in Nutrition, 2019, 6, 133.	3.7	51
11	Novel phenotypes related to the breeding of purple-fruited tomatoes and effect of peel extracts on human cancer cell proliferation. Plant Physiology and Biochemistry, 2013, 72, 125-133.	5.8	48
12	Characterization of genes controlling stamen identity and development in a parthenocarpic tomato mutant indicates a role for the DEFICIENS ortholog in the control of fruit set. Physiologia Plantarum, 2008, 132, 526-537.	5.2	43
13	Constitutive co-suppression of the GA 20-oxidase1 gene in tomato leads to severe defects in vegetative and reproductive development. Plant Science, 2011, 180, 496-503.	3.6	41
14	A new â€œfunctionalâ€•pasta containing tartary buckwheat sprouts as an ingredient improves the oxidative status and normalizes some blood pressure parameters in spontaneously hypertensive rats. Food and Function, 2014, 5, 1017-1026.	4.6	40
15	Fine mapping of the parthenocarpic fruit (pat) mutation in tomato. Theoretical and Applied Genetics, 2004, 108, 209-216.	3.6	39
16	The Occurrence of Seedlessness in Higher Plants; Insights on Roles and Mechanisms of Parthenocarpy. Frontiers in Plant Science, 2018, 9, 1997.	3.6	34
17	Transcriptional regulation of male-sterility in 7B-1 male-sterile tomato mutant. PLoS ONE, 2017, 12, e0170715.	2.5	24
18	Effect of gibberellic acid treatments, environmental conditions, and genetic background on the expression of theparthenocarpic fruit mutation in tomato. Protoplasma, 1999, 208, 18-25.	2.1	23

#	Article	IF	Citations
19	The dominant allele Aft induces a shift from flavonol to anthocyanin production in response to UV-B radiation in tomato fruit. Planta, 2017, 246, 263-275.	3.2	23
20	Estimation of Parthenogenesis Frequency in Kentucky Bluegrass with Auxinâ€Induced Parthenocarpic Seeds. Crop Science, 1996, 36, 9-16.	1.8	21
21	Sequencing and characterization of tomato genes putatively involved in fruit set and early development. Sexual Plant Reproduction, 2002, 14, 269-277.	2.2	21
22	Color Mutations Alter the Biochemical Composition in the San Marzano Tomato Fruit. Metabolites, 2020, 10, 110.	2.9	21
23	Polyamine pattern during flower development in theparthenocarpic fruit(pat) mutant of tomato. Physiologia Plantarum, 2002, 116, 539-547.	5.2	20
24	A transcriptomic approach to identify regulatory genes involved in fruit set of wild-type and parthenocarpic tomato genotypes. Plant Molecular Biology, 2015, 89, 263-278.	3.9	20
25	Phenotypic, genetic and molecular characterization of 7B-1, a conditional male-sterile mutant in tomato. Theoretical and Applied Genetics, 2017, 130, 2361-2374.	3.6	19
26	A defective pollen-pistil interaction contributes to hamper seed set in the parthenocarpic fruit tomato mutant. Sexual Plant Reproduction, 2003, 16, 157-164.	2.2	18
27	Phenotypic and genetic characterization of the pistillate mutation in tomato. Theoretical and Applied Genetics, 2008, 118, 151-163.	3.6	14
28	Molecular polymorphism related to flowering trait variation in a Phaseolus vulgaris L. collection. Plant Science, 2014, 215-216, 180-189.	3.6	12
29	Characterization of a repertoire of tomato fruit genetic variants in the San marzano genetic background. Scientia Horticulturae, 2020, 261, 108927.	3.6	12
30	Atlas of phenotypic, genotypic and geographical diversity present in the European traditional tomato. Horticulture Research, 2022, 9, .	6.3	12
31	European traditional tomatoes galore: a result of farmersâ€™ selection of a few diversity-rich loci. Journal of Experimental Botany, 2022, 73, 3431-3445.	4.8	11
32	The Cf-2 / Rcr3esc gene interaction in tomato (Lycopersicon esculentum) induces autonecrosis and triggers biochemical markers of oxidative burst at cellular level. Functional Plant Biology, 2003, 30, 1117.	2.1	9
33	Scientometric and Methodological Analysis of the Recent Literature on the Health-Related Effects of Tomato and Tomato Products. Foods, 2021, 10, 1905.	4.3	8
34	Distinctiveness of Bean Landraces in Italy: the Case Study of the â€˜Baddaâ€™ Bean. Diversity, 2010, 2, 701-716.	1.7	4
35	Bulk RNA-Seq analysis to dissect the regulation of stigma position in tomato. Plant Molecular Biology, 2021, 105, 263-285.	3.9	4
36	Pigment-Related Mutations Greatly Affect Berry Metabolome in San Marzano Tomatoes. Horticulturae, 2022, 8, 120.	2.8	4

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37	New genetic tools to identify and protect typical italian products. Italian Journal of Agronomy, 2009, 4, 93.	1.0	2
38	Dynamics of Fertility-Related Traits in Tomato Landraces under Mild and Severe Heat Stress. Plants, 2022, 11, 881.	3.5	2