Francesca M Quattrocchio

List of Publications by Year
in descending order

41 papers	6,801 citations	172457 29 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	4969 citing authors

#	Article	IF	Citations
1	Modifying Anthocyanins Biosynthesis in Tomato Hairy Roots: A Test Bed for Plant Resistance to Ionizing Radiation and Antioxidant Properties in Space. Frontiers in Plant Science, 2022, 13, 830931.	3.6	6
2	An ancient RAB5 governs the formation of additional vacuoles and cell shape in petunia petals. Cell Reports, 2021, 36, 109749.	6.4	6
3	Identification and functional analysis of three new anthocyanin R2R3â€<scp>MYB</scp> genes in <i>Petunia</i>. Plant Direct, 2019, 3, e00114.	1.9	32
4	The <scp>MYB</scp>5â€driven <scp>MBW</scp> complex recruits a <scp>WRKY</scp> factor to enhance the expression of targets involved in vacuolar hyperâ€acidification and trafficking in grapevine. Plant Journal, 2019, 99, 1220-1241.	5.7	54
5	Alteration of flavonoid pigmentation patterns during domestication of food crops. Journal of Experimental Botany, 2019, 70, 3719-3735.	4.8	27
6	Hyperacidification of Citrus fruits by a vacuolar proton-pumping P-ATPase complex. Nature Communications, 2019, 10, 744.	12.8	90
7	Two <i>Silene vulgaris</i> copper transporters residing in different cellular compartments confer copper hypertolerance by distinct mechanisms when expressed in <i>Arabidopsis thaliana</i>. New Phytologist, 2017, 215, 1102-1114.	7.3	32
8	A Tonoplast P3B-ATPase Mediates Fusion of Two Types of Vacuoles in Petal Cells. Cell Reports, 2017, 19, 2413-2422.	6.4	23
9	New Challenges for the Design of High Value Plant Products: Stabilization of Anthocyanins in Plant Vacuoles. Frontiers in Plant Science, 2016, 7, 153.	3.6	90
10	Evolution of tonoplast Pâ€<scp>ATP</scp>ase transporters involved in vacuolar acidification. New Phytologist, 2016, 211, 1092-1107.	7.3	37
11	Insight into the evolution of the Solanaceae from the parental genomes of Petunia hybrida. Nature Plants, 2016, 2, 16074.	9.3	311
12	Functionally Similar WRKY Proteins Regulate Vacuolar Acidification in Petunia and Hair Development in Arabidopsis. Plant Cell, 2016, 28, 786-803.	6.6	128
13	Proteomics of red and white corolla limbs in petunia reveals a novel function of the anthocyanin regulator ANTHOCYANIN1 in determining flower longevity. Journal of Proteomics, 2016, 131, 38-47.	2.4	18
14	Tomato R2R3-MYB Proteins SlANT1 and SlAN2: Same Protein Activity, Different Roles. PLoS ONE, 2015, 10, e0136365.	2.5	133
15	Genetic Control and Evolution of Anthocyanin Methylation Â. Plant Physiology, 2014, 165, 962-977.	4.8	45
16	Hyperacidification of Vacuoles by the Combined Action of Two Different P-ATPases in the Tonoplast Determines Flower Color. Cell Reports, 2014, 6, 32-43.	6.4	117
17	Transgenes and protein localization: myths and legends. Trends in Plant Science, 2013, 18, 473-476.	8.8	20
18	Revealing impaired pathways in the <i>an11</i> mutant by highâ€throughput characterization of <i>Petunia axillaris</i> and <i>Petunia inflata</i> transcriptomes. Plant Journal, 2011, 68, 11-27.	5.7	35

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19	One Protoplast Is Not the Other! Â. Plant Physiology, 2011, 156, 474-478.	4.8	93
20	The Genetics of Flower Color. , 2009, , 269-299.		27
21	An H+ P-ATPase on the tonoplast determines vacuolar pH and flower colour. Nature Cell Biology, 2008, 10, 1456-1462.	10.3	178
22	<i>Agrobacterium</i>-mediated transient expression of vacuolar GFPs in<i>Petunia</i>leaves and petals. Plant Biosystems, 2008, 142, 343-347.	1.6	11
23	PH4 of Petunia Is an R2R3 MYB Protein That Activates Vacuolar Acidification through Interactions with Basic-Helix-Loop-Helix Transcription Factors of the Anthocyanin Pathway. Plant Cell, 2006, 18, 1274-1291.	6.6	335
24	Flavonoids: a colorful model for the regulation and evolution of biochemical pathways. Trends in Plant Science, 2005, 10, 236-242.	8.8	1,365
25	ANTHOCYANIN1 of Petunia Controls Pigment Synthesis, Vacuolar pH, and Seed Coat Development by Genetically Distinct Mechanisms. Plant Cell, 2002, 14, 2121-2135.	6.6	241
26	anthocyanin1 of Petunia Encodes a Basic Helix-Loop-Helix Protein That Directly Activates Transcription of Structural Anthocyanin Genes. Plant Cell, 2000, 12, 1619.	6.6	9
27	anthocyanin1 of Petunia Encodes a Basic Helix-Loop-Helix Protein That Directly Activates Transcription of Structural Anthocyanin Genes. Plant Cell, 2000, 12, 1619-1631.	6.6	442
28	Selection of high-affinity phage antibodies from phage display libraries. Nature Biotechnology, 1999, 17, 397-399.	17.5	94
29	Molecular Analysis of the anthocyanin2 Gene of Petunia and Its Role in the Evolution of Flower Color. Plant Cell, 1999, 11, 1433-1444.	6.6	545
30	Molecular Analysis of the anthocyanin2 Gene of Petunia and Its Role in the Evolution of Flower Color. Plant Cell, 1999, 11, 1433.	6.6	58
31	Analysis of bHLH and MYB domain proteins: speciesâ€specific regulatory differences are caused by divergent evolution of target anthocyanin genes. Plant Journal, 1998, 13, 475-488.	5.7	392
32	The an11 locus controlling flower pigmentation in petunia encodes a novel WD-repeat protein conserved in yeast, plants, and animals.. Genes and Development, 1997, 11, 1422-1434.	5.9	331
33	Targeted gene inactivation in petunia by PCR-based selection of transposon insertion mutants.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8149-8153.	7.1	127
34	A general method to isolate genes tagged by a high copy number transposable element. Plant Journal, 1995, 7, 677-685.	5.7	53
35	The flavonoid biosynthetic pathway in plants: Function and evolution. BioEssays, 1994, 16, 123-132.	2.5	637
36	Regulatory Genes Controlling Anthocyanin Pigmentation Are Functionally Conserved among Plant Species and Have Distinct Sets of Target Genes.. Plant Cell, 1993, 5, 1497-1512.	6.6	369

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37	Regulatory Genes Controlling Anthocyanin Pigmentation Are Functionally Conserved among Plant Species and Have Distinct Sets of Target Genes. Plant Cell, 1993, 5, 1497.	6.6	129
38	The maize zein gene zE19 contains two distinct promoters which are independently activated in endosperm and anthers of transgenic Petunia plants. Plant Molecular Biology, 1990, 15, 81-93.	3.9	35
39	Chalcone Synthase Promoters in Petunia Are Active in Pigmented and Unpigmented Cell Types. Plant Cell, 1990, 2, 379.	6.6	11
40	Chalcone Synthase Promoters in Petunia Are Active in Pigmented and Unpigmented Cell Types.. Plant Cell, 1990, 2, 379-392.	6.6	89
41	A Study on the Possible Role of Auxin in Potato Â«Hairy RootÂ» Tissues. Journal of Plant Physiology, 1986, 123, 143-149.	3.5	26