Amanda R Walker

List of Publications by Year
in descending order

47 papers	7,461 citations	159585 30 h-index	214800 47 g-index
47 all docs	47 docs citations	47 times ranked	6667 citing authors

#	Article	IF	Citations
1	Arabidopsis AUX1 Gene: A Permease-Like Regulator of Root Gravitropism. Science, 1996, 273, 948-950.	12.6	955
2	The TRANSPARENT TESTA GLABRA1 Locus, Which Regulates Trichome Differentiation and Anthocyanin Biosynthesis in Arabidopsis, Encodes a WD40 Repeat Protein. Plant Cell, 1999, 11, 1337-1349.	6.6	905
3	Light-Induced Expression of a MYB Gene Regulates Anthocyanin Biosynthesis in Red Apples. Plant Physiology, 2006, 142, 1216-1232.	4.8	867
4	White grapes arose through the mutation of two similar and adjacent regulatory genes. Plant Journal, 2007, 49, 772-785.	5.7	596
5	The Grapevine Transcription Factor VvMYBPA1 Regulates Proanthocyanidin Synthesis during Fruit Development. Plant Physiology, 2007, 143, 1347-1361.	4.8	497
6	The Grapevine R2R3-MYB Transcription Factor VvMYBF1 Regulates Flavonol Synthesis in Developing Grape Berries. Plant Physiology, 2009, 151, 1513-1530.	4.8	383
7	The Transcription Factor VvMYB5b Contributes to the Regulation of Anthocyanin and Proanthocyanidin Biosynthesis in Developing Grape Berries Â Â. Plant Physiology, 2008, 147, 2041-2053.	4.8	358
8	Endophytic Actinobacteria Induce Defense Pathways in Arabidopsis thaliana. Molecular Plant-Microbe Interactions, 2008, 21, 208-218.	2.6	320
9	The R2R3-MYB Transcription Factors MYB14 and MYB15 Regulate Stilbene Biosynthesis in Vitis vinifera. Plant Cell, 2013, 25, 4135-4149.	6.6	270
10	The Arabidopsis TDS4 gene encodes leucoanthocyanidin dioxygenase (LDOX) and is essential for proanthocyanidin synthesis and vacuole development. Plant Journal, 2003, 35, 624-636.	5.7	239
11	Cloning of the Arabidopsis ent-kaurene oxidase gene GA3. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9019-9024.	7.1	205
12	Genetic dissection of a <scp>TIR</scp>â€<scp>NB</scp>â€<scp>LRR</scp> locus from the wild <scp>N</scp>orth <scp>A</scp>merican grapevine species <scp>M</scp>uscadinia rotundifolia identifies paralogous genes conferring resistance to major fungal and oomycete pathogens in cultivated grapevine. Plant Journal, 2013, 76, 661-674.	5.7	152
13	Two new grape cultivars, bud sports of Cabernet Sauvignon bearing pale-coloured berries, are the result of deletion of two regulatory genes of the berry colour locus. Plant Molecular Biology, 2006, 62, 623-635.	3.9	136
14	Two WD-repeat genes from cotton are functional homologues of the Arabidopsis thaliana TRANSPARENT TESTA GLABRA1 (TTG1) gene. Plant Molecular Biology, 2005, 57, 67-81.	3.9	117
15	Grape berry flavonoids: a review of their biochemical responses to high and extreme high temperatures. Journal of Experimental Botany, 2019, 70, 397-423.	4.8	115
16	Condensed tannin biosynthesis genes are regulated separately from other flavonoid biosynthesis genes in apple fruit skin. Plant Science, 2006, 170, 487-499.	3.6	114
17	A grapevine anthocyanin acyltransferase, transcriptionally regulated by VvMYBA, can produce most acylated anthocyanins present in grape skins. Plant Physiology, 2015, 169, pp.01255.2015.	4.8	113
18	Identification of key amino acids for the evolution of promoter target specificity of anthocyanin and proanthocyanidin regulating MYB factors. Plant Molecular Biology, 2013, 82, 457-471.	3.9	109

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19	Allele-Specific Interactions Between ttg and gl1 During Trichome Development in Arabidopsis thaliana. Genetics, 1999, 151, 1591-1604.	2.9	103
20	Two basic-helix-loop-helix genes (MYC-146 and GL3) from Arabidopsis can activate anthocyanin biosynthesis in a white-flowered Matthiola incana mutant. Plant Molecular Biology, 2003, 52, 679-688.	3.9	99
21	Two different genes encode ferrochelatase in Arabidopsis: mapping, expression and subcellular targeting of the precursor proteins. Plant Journal, 1998, 15, 531-541.	5.7	97
22	Shoot chloride exclusion and salt tolerance in grapevine is associated with differential ion transporter expression in roots. BMC Plant Biology, 2014, 14, 273.	3.6	78
23	Functional differences in transport properties of natural <scp>HKT</scp>1;1 variants influence shoot Na⁺ exclusion in grapevine rootstocks. New Phytologist, 2018, 217, 1113-1127.	7.3	66
24	Transcriptional regulation of the flavonoid pathway in the skin of dark-grown â€˜Crippsâ€™ Redâ€™ apples in response to sunlight. Journal of Horticultural Science and Biotechnology, 2006, 81, 735-744.	1.9	63
25	Buckwheat R2R3 MYB transcription factor FeMYBF1 regulates flavonol biosynthesis. Plant Science, 2018, 274, 466-475.	3.6	60
26	A new buckwheat dihydroflavonol 4-reductase (DFR), with a unique substrate binding structure, has altered substrate specificity. BMC Plant Biology, 2017, 17, 239.	3.6	57
27	Grapevine and Arabidopsis cation-chloride cotransporters localise to the Golgi and trans-Golgi network and indirectly influence long-distance ion homeostasis and plant salt tolerance. Plant Physiology, 2015, 169, pp.00499.2015.	4.8	55
28	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
29	Cloning and characterization of the vermilion gene of Drosophila melanogaster. Molecular Genetics and Genomics, 1986, 202, 102-107.	2.4	36
30	Biosynthesis and regulation of flavonoids in buckwheat. Breeding Science, 2020, 70, 74-84.	1.9	33
31	Genotyping by Sequencing in Almond: SNP Discovery, Linkage Mapping, and Marker Design. G3: Genes, Genomes, Genetics, 2018, 8, 161-172.	1.8	28
32	Chromosomal location and expression of the single-copy gene encoding high-mobility-group protein HMG-I/Y in Arabidopsis thaliana. Plant Molecular Biology, 1997, 34, 529-536.	3.9	26
33	Transcriptional regulation of the three grapevine chalcone synthase genes and their role in flavonoid synthesis in Shiraz. Australian Journal of Grape and Wine Research, 2013, 19, 221-229.	2.1	25
34	Isolation and characterization of genes encoding leucoanthocyanidin reductase (FeLAR) and anthocyanidin reductase (FeANR) in buckwheat (Fagopyrum esculentum). Journal of Plant Physiology, 2016, 205, 41-47.	3.5	21
35	The TRANSPARENT TESTA GLABRA1 Locus, Which Regulates Trichome Differentiation and Anthocyanin Biosynthesis in Arabidopsis, Encodes a WD40 Repeat Protein. Plant Cell, 1999, 11, 1337.	6.6	15
36	A novel plastid-targeted J-domain protein in Arabidopsis thaliana. Plant Molecular Biology, 2001, 46, 615-626.	3.9	15

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37	Tissue-Specific, Light-Regulated and Plastid-Regulated Expression of the Single-Copy Nuclear Gene Encoding the Chloroplast Rieske FeS Protein of Arabidopsis thaliana. Plant and Cell Physiology, 2002, 43, 522-531.	3.1	14
38	Grape and wine flavonoid composition in transgenic grapevines with altered expression of flavonoid hydroxylase genes. Australian Journal of Grape and Wine Research, 2019, 25, 293-306.	2.1	13
39	A whole canopy gas exchange system for the targeted manipulation of grapevine source-sink relations using sub-ambient CO2. BMC Plant Biology, 2019, 19, 535.	3.6	9
40	The grapevine NaE sodium exclusion locus encodes sodium transporters with diverse transport properties and localisation. Journal of Plant Physiology, 2020, 246-247, 153113.	3.5	9
41	Tomato leaf curl virus satellite DNA as a gene silencing vector activated by helper virus infection. Virus Research, 2008, 136, 30-34.	2.2	8
42	Analysis of the salt exclusion phenotype in rooted leaves of grapevine (Vitis spp.). Australian Journal of Grape and Wine Research, 2018, 24, 317-326.	2.1	8
43	Title is missing!. Photosynthesis Research, 1997, 54, 155-163.	2.9	6
44	Investigating the effects of elevated temperature on salinity tolerance traits in grapevine rootstocks using highâ€throughput phenotyping. Australian Journal of Grape and Wine Research, 2022, 28, 276-291.	2.1	5
45	Trichome initiation in arabidopsis. Advances in Botanical Research, 2000, 31, 219-236.	1.1	4
46	Rootstock type influences salt exclusion response of grafted Shiraz under salt treatment at elevated root zone temperature. Australian Journal of Grape and Wine Research, 2022, 28, 292-303.	2.1	2
47	IDENTIFICATION OF AN R2R3 MYB TRANSCRIPTION FACTOR INVOLVED IN THE REGULATION OF THE STILBENE SYNTHASE PATHWAY IN GRAPEVINE. Acta Horticulturae, 2014, , 57-64.	0.2	1