Richard V Espley

List of Publications by Year
in descending order

73 papers	6,850 citations	117453 34 h-index	85405 71 g-index
76 all docs	76 docs citations	76 times ranked	4710 citing authors

#	Article	IF	Citations
1	A chromosomeâ€scale assembly of the bilberry genome identifies a complex locus controlling berry anthocyanin composition. Molecular Ecology Resources, 2022, 22, 345-360.	2.2	28
2	Hierarchical regulation of MYBPA1 by anthocyanin- and proanthocyanidin-related MYB proteins is conserved in Vaccinium species. Journal of Experimental Botany, 2022, 73, 1344-1356.	2.4	20
3	Resolving the developmental distribution patterns of polyphenols and related primary metabolites in bilberry (Vaccinium myrtillus) fruit. Food Chemistry, 2022, 374, 131703.	4.2	19
4	The genome of lowâ€chill Chinese plum â€œSanyueliâ€•(Prunus salicina Lindl.) provides insights into the regulation of the chilling requirement of flower buds. Molecular Ecology Resources, 2022, 22, 1919-1938.	2.2	11
5	microRNA172 targets APETALA2 to regulate flavonoid biosynthesis in apple (Malus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.9	22
6	The red flesh of kiwifruit is differentially controlled by specific activationâ€“repression systems. New Phytologist, 2022, 235, 630-645.	3.5	37
7	The apple BTB protein MdBT2 positively regulates MdCOP1 abundance to repress anthocyanin biosynthesis. Plant Physiology, 2022, 190, 305-318.	2.3	10
8	A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial. Nutrients, 2021, 13, 1092.	1.7	21
9	Genomic analysis uncovers functional variation in the C-terminus of anthocyanin-activating MYB transcription factors. Horticulture Research, 2021, 8, 77.	2.9	28
10	Differential regulation of triterpene biosynthesis induced by an early failure in cuticle formation in apple. Horticulture Research, 2021, 8, 75.	2.9	23
11	Activation of PsMYB10.2 Transcription Causes Anthocyanin Accumulation in Flesh of the Red-Fleshed Mutant of â€˜Sanyueliâ€™ (Prunus salicina Lindl.). Frontiers in Plant Science, 2021, 12, 680469.	1.7	13
12	Red and blue light treatments of ripening bilberry fruits reveal differences in signalling through abscisic acidâ€regulated anthocyanin biosynthesis. Plant, Cell and Environment, 2021, 44, 3227-3245.	2.8	51
13	Competition between anthocyanin and kaempferol glycosides biosynthesis affects pollen tube growth and seed set of Malus. Horticulture Research, 2021, 8, 173.	2.9	24
14	MYBA and MYBPA transcription factors coâ€regulate anthocyanin biosynthesis in blueâ€coloured berries. New Phytologist, 2021, 232, 1350-1367.	3.5	56
15	Unraveling a genetic roadmap for improved taste in the domesticated apple. Molecular Plant, 2021, 14, 1454-1471.	3.9	47
16	Postharvest temperature and light treatments induce anthocyanin accumulation in peel of â€˜Akihimeâ€™ plum (Prunus salicina Lindl.) via transcription factor PsMYB10.1. Postharvest Biology and Technology, 2021, 179, 111592.	2.9	24
17	The PyPIF5-PymiR156a-PySPL9-PyMYB114/MYB10 module regulates light-induced anthocyanin biosynthesis in red pear. Molecular Horticulture, 2021, 1, .	2.3	16
18	Identification of a Strong Anthocyanin Activator, VbMYBA, From Berries of Vaccinium bracteatum Thunb.. Frontiers in Plant Science, 2021, 12, 697212.	1.7	7

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19	An Apple B-Box Protein MdBBX37 Modulates Anthocyanin Biosynthesis and Hypocotyl Elongation Synergistically with MdMYBs and MdHY5. Plant and Cell Physiology, 2020, 61, 130-143.	1.5	70
20	Kiwifruit with high anthocyanin content modulates NF-Î²B activation and reduces CCL11 secretion in human alveolar epithelial cells. Journal of Functional Foods, 2020, 65, 103734.	1.6	13
21	Genomic survey and gene expression analysis of the MYB-related transcription factor superfamily in potato (Solanum tuberosum L.). International Journal of Biological Macromolecules, 2020, 164, 2450-2464.	3.6	15
22	The proanthocyanin-related transcription factors MYBC1 and WRKY44 regulate branch points in the kiwifruit anthocyanin pathway. Scientific Reports, 2020, 10, 14161.	1.6	44
23	Discovery of a stable vitamin C glycoside in crab apples (Malus sylvestris). Phytochemistry, 2020, 173, 112297.	1.4	13
24	Spatiotemporal Modulation of Flavonoid Metabolism in Blueberries. Frontiers in Plant Science, 2020, 11, 545.	1.7	42
25	A kiwifruit (Actinidia deliciosa) R2R3â€<scp>MYB</scp> transcription factor modulates chlorophyll and carotenoid accumulation. New Phytologist, 2019, 221, 309-325.	3.5	160
26	Demystifying the liverwort Radula marginata, a critical review on its taxonomy, genetics, cannabinoid phytochemistry and pharmacology. Phytochemistry Reviews, 2019, 18, 953-965.	3.1	19
27	Red to Brown: An Elevated Anthocyanic Response in Apple Drives Ethylene to Advance Maturity and Fruit Flesh Browning. Frontiers in Plant Science, 2019, 10, 1248.	1.7	41
28	StMYB44 negatively regulates anthocyanin biosynthesis at high temperatures in tuber flesh of potato. Journal of Experimental Botany, 2019, 70, 3809-3824.	2.4	95
29	Fine-mapping and validation of the genomic region underpinning pear red skin colour. Horticulture Research, 2019, 6, 29.	2.9	31
30	Apple B-box factors regulate light-responsive anthocyanin biosynthesis genes. Scientific Reports, 2019, 9, 17762.	1.6	38
31	PbGA2ox8 induces vascular-related anthocyanin accumulation and contributes to red stripe formation on pear fruit. Horticulture Research, 2019, 6, 137.	2.9	30
32	Activatorâ€type R2R3â€MYB genes induce a repressorâ€type R2R3â€MYB gene to balance anthocyanin and proanthocyanidin accumulation. New Phytologist, 2019, 221, 1919-1934.	3.5	190
33	Differential regulation of the anthocyanin profile in purple kiwifruit (Actinidia species). Horticulture Research, 2019, 6, 3.	2.9	94
34	Solar UV light regulates flavonoid metabolism in apple (Malus x domestica). Plant, Cell and Environment, 2018, 41, 675-688.	2.8	146
35	A manually annotated Actinidia chinensis var. chinensis (kiwifruit) genome highlights the challenges associated with draft genomes and gene prediction in plants. BMC Genomics, 2018, 19, 257.	1.2	167
36	Identification of Genes Involved in Flavonoid Biosynthesis of Chinese Narcissus (Narcissus tazetta L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	13

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37	MYBA From Blueberry (Vaccinium Section Cyanococcus) Is a Subgroup 6 Type R2R3MYB Transcription Factor That Activates Anthocyanin Production. Frontiers in Plant Science, 2018, 9, 1300.	1.7	55
38	Identification of Putative Precursor Genes for the Biosynthesis of Cannabinoid-Like Compound in Radula marginata. Frontiers in Plant Science, 2018, 9, 537.	1.7	28
39	Characterization of a ripening-related transcription factor FcNAC1 from Fragaria chiloensis fruit. Scientific Reports, 2018, 8, 10524.	1.6	44
40	MYBs Drive Novel Consumer Traits in Fruits and Vegetables. Trends in Plant Science, 2018, 23, 693-705.	4.3	116
41	Alcohol acyl transferase 1 links two distinct volatile pathways that produce esters and phenylpropenes in apple fruit. Plant Journal, 2017, 91, 292-305.	2.8	30
42	Multiple Copies of a Simple MYB-Binding Site Confers Trans-regulation by Specific Flavonoid-Related R2R3 MYBs in Diverse Species. Frontiers in Plant Science, 2017, 8, 1864.	1.7	38
43	Physiological and genetic control of red skin colouration in apples grown under warm and cool conditions. Acta Horticulturae, 2016, , 27-34.	0.1	2
44	A functional genetic marker for apple red skin coloration across different environments. Tree Genetics and Genomes, 2016, 12, 1.	0.6	32
45	Functional diversification of the potato R2R3 MYB anthocyanin activators AN1, MYBA1, and MYB113 and their interaction with basic helix-loop-helix cofactors. Journal of Experimental Botany, 2016, 67, 2159-2176.	2.4	163
46	Molecular genetics of bloodâ€fleshed peach reveals activation of anthocyanin biosynthesis by <scp>NAC</scp> transcription factors. Plant Journal, 2015, 82, 105-121.	2.8	404
47	Failure to launch: the self-regulating Md-MYB10 R6 gene from apple is active in flowers but not leaves of Petunia. Plant Cell Reports, 2015, 34, 1817-1823.	2.8	11
48	The Phytoene synthase gene family of apple (Malus x domestica) and its role in controlling fruit carotenoid content. BMC Plant Biology, 2015, 15, 185.	1.6	65
49	Comparative Transcriptome Analysis of White and Purple Potato to Identify Genes Involved in Anthocyanin Biosynthesis. PLoS ONE, 2015, 10, e0129148.	1.1	75
50	Transcriptome analysis and transient transformation suggest an ancient duplicated MYB transcription factor as a candidate gene for leaf red coloration in peach. BMC Plant Biology, 2014, 14, 388.	1.6	89
51	Engineering the anthocyanin regulatory complex of strawberry (Fragaria vesca). Frontiers in Plant Science, 2014, 5, 651.	1.7	124
52	Dietary Flavonoids from Modified Apple Reduce Inflammation Markers and Modulate Gut Microbiota in Mice. Journal of Nutrition, 2014, 144, 146-154.	1.3	153
53	REGULATION OF ANTHOCYANIN BIOSYNTHESIS IN STRAWBERRY (FRAGARIA SP.) BY OVER-EXPRESSION OF A KEY TRANSCRIPTION FACTOR. Acta Horticulturae, 2014, , 137-142.	0.1	2
54	Transcriptional regulation of flavonoid biosynthesis in nectarine (Prunus persica) by a set of R2R3 MYB transcription factors. BMC Plant Biology, 2013, 13, 68.	1.6	247

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55	Opportunities and challenges for metabolic engineering of secondary metabolite pathways for improved human health characters in fruit and vegetable crops. New Zealand Journal of Crop and Horticultural Science, 2013, 41, 154-177.	0.7	36
56	Redâ€foliaged apples affect the establishment, growth, and development of the light brown apple moth, <scp>E</scp>piphyas postvittana. Entomologia Experimentalis Et Applicata, 2013, 146, 261-275.	0.7	11
57	Analysis of genetically modified redâ€fleshed apples reveals effects on growth and consumer attributes. Plant Biotechnology Journal, 2013, 11, 408-419.	4.1	92
58	GENETIC RELATIONSHIPS BETWEEN RED FLESH AND FRUIT QUALITY TRAITS IN APPLE. Acta Horticulturae, 2013, , 363-368.	0.1	12
59	An Ancient Duplication of Apple MYB Transcription Factors Is Responsible for Novel Red Fruit-Flesh Phenotypes Â Â. Plant Physiology, 2012, 161, 225-239.	2.3	272
60	THE CONTROL OF KIWIFRUIT RED FLESH COLOUR. Acta Horticulturae, 2011, , 103-109.	0.1	7
61	High temperature reduces apple fruit colour via modulation of the anthocyanin regulatory complex. Plant, Cell and Environment, 2011, 34, 1176-1190.	2.8	330
62	Identification and characterisation of F3GT1 and F3GGT1, two glycosyltransferases responsible for anthocyanin biosynthesis in redâ€fleshed kiwifruit (Actinidia chinensis). Plant Journal, 2011, 65, 106-118.	2.8	164
63	An R2R3 MYB transcription factor associated with regulation of the anthocyanin biosynthetic pathway in Rosaceae. BMC Plant Biology, 2010, 10, 50.	1.6	576
64	Multiple Repeats of a Promoter Segment Causes Transcription Factor Autoregulation in Red Apples. Plant Cell, 2009, 21, 168-183.	3.1	453
65	CISGENESIS IS A PROMISING APPROACH FOR FAST, ACCEPTABLE AND SAFE BREEDING OF PIP FRUIT. Acta Horticulturae, 2009, , 199-204.	0.1	7
66	THE GENOMICS OF FRUIT QUALITY. Acta Horticulturae, 2009, , 421-426.	0.1	1
67	IDENTIFYING GENES THAT REGULATE HORTICULTURAL TRAITS IN KIWIFRUIT. Acta Horticulturae, 2007, , 219-226.	0.1	0
68	Red colouration in apple fruit is due to the activity of the MYB transcription factor, MdMYB10. Plant Journal, 2007, 49, 414-427.	2.8	1,113
69	Mapping a candidate gene (MdMYB10) for red flesh and foliage colour in apple. BMC Genomics, 2007, 8, 212.	1.2	195
70	Characterisation of the DELLA subfamily in apple (Malus x domestica Borkh.). Tree Genetics and Genomes, 2007, 3, 187-197.	0.6	43
71	Differential expression within the LOX gene family in ripening kiwifruit. Journal of Experimental Botany, 2006, 57, 3825-3836.	2.4	161
72	Djuna Barnes'sThe Antiphon: â€˜tediousâ€¦â€‰because they will not understand itâ€™. Women, 2006, 17, 188-201.	0.1	1

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73	The Coordinated Action of MYB Activators and Repressors Controls Proanthocyanidin and Anthocyanin Biosynthesis in Vaccinium. Frontiers in Plant Science, 0, 13, .	1.7	8