

Richard V Espley

List of Publications by Year in descending order

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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	Red colouration in apple fruit is due to the activity of the MYB transcription factor, MdMYB10. <i>Plant Journal</i> , 2007, 49, 414-427.	2.8	1,113
2	An R2R3 MYB transcription factor associated with regulation of the anthocyanin biosynthetic pathway in Rosaceae. <i>BMC Plant Biology</i> , 2010, 10, 50.	1.6	576
3	Multiple Repeats of a Promoter Segment Causes Transcription Factor Autoregulation in Red Apples. <i>Plant Cell</i> , 2009, 21, 168-183.	3.1	453
4	Molecular genetics of blood-fleshed peach reveals activation of anthocyanin biosynthesis by <i>NAC</i> transcription factors. <i>Plant Journal</i> , 2015, 82, 105-121.	2.8	404
5	High temperature reduces apple fruit colour via modulation of the anthocyanin regulatory complex. <i>Plant, Cell and Environment</i> , 2011, 34, 1176-1190.	2.8	330
6	An Ancient Duplication of Apple MYB Transcription Factors Is Responsible for Novel Red Fruit-Flesh Phenotypes. <i>Plant Physiology</i> , 2012, 161, 225-239.	2.3	272
7	Transcriptional regulation of flavonoid biosynthesis in nectarine (<i>Prunus persica</i>) by a set of R2R3 MYB transcription factors. <i>BMC Plant Biology</i> , 2013, 13, 68.	1.6	247
8	Mapping a candidate gene (MdMYB10) for red flesh and foliage colour in apple. <i>BMC Genomics</i> , 2007, 8, 212.	1.2	195
9	Activator-type R2R3-MYB genes induce a repressor-type R2R3-MYB gene to balance anthocyanin and proanthocyanidin accumulation. <i>New Phytologist</i> , 2019, 221, 1919-1934.	3.5	190
10	A manually annotated <i>Actinidia chinensis</i> var. <i>chinensis</i> (kiwifruit) genome highlights the challenges associated with draft genomes and gene prediction in plants. <i>BMC Genomics</i> , 2018, 19, 257.	1.2	167
11	Identification and characterisation of F3GT1 and F3GGT1, two glycosyltransferases responsible for anthocyanin biosynthesis in red-fleshed kiwifruit (<i>Actinidia chinensis</i>). <i>Plant Journal</i> , 2011, 65, 106-118.	2.8	164
12	Functional diversification of the potato R2R3 MYB anthocyanin activators AN1, MYBA1, and MYB113 and their interaction with basic helix-loop-helix cofactors. <i>Journal of Experimental Botany</i> , 2016, 67, 2159-2176.	2.4	163
13	Differential expression within the LOX gene family in ripening kiwifruit. <i>Journal of Experimental Botany</i> , 2006, 57, 3825-3836.	2.4	161
14	A kiwifruit (<i>Actinidia deliciosa</i>) R2R3-MYB transcription factor modulates chlorophyll and carotenoid accumulation. <i>New Phytologist</i> , 2019, 221, 309-325.	3.5	160
15	Dietary Flavonoids from Modified Apple Reduce Inflammation Markers and Modulate Gut Microbiota in Mice. <i>Journal of Nutrition</i> , 2014, 144, 146-154.	1.3	153
16	Solar UV light regulates flavonoid metabolism in apple (<i>Malus domestica</i>). <i>Plant, Cell and Environment</i> , 2018, 41, 675-688.	2.8	146
17	Engineering the anthocyanin regulatory complex of strawberry (<i>Fragaria vesca</i>). <i>Frontiers in Plant Science</i> , 2014, 5, 651.	1.7	124
18	MYBs Drive Novel Consumer Traits in Fruits and Vegetables. <i>Trends in Plant Science</i> , 2018, 23, 693-705.	4.3	116

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19	StMYB44 negatively regulates anthocyanin biosynthesis at high temperatures in tuber flesh of potato. <i>Journal of Experimental Botany</i> , 2019, 70, 3809-3824.	2.4	95
20	Differential regulation of the anthocyanin profile in purple kiwifruit (<i>Actinidia</i> species). <i>Horticulture Research</i> , 2019, 6, 3.	2.9	94
21	Analysis of genetically modified red-fleshed apples reveals effects on growth and consumer attributes. <i>Plant Biotechnology Journal</i> , 2013, 11, 408-419.	4.1	92
22	Transcriptome analysis and transient transformation suggest an ancient duplicated MYB transcription factor as a candidate gene for leaf red coloration in peach. <i>BMC Plant Biology</i> , 2014, 14, 388.	1.6	89
23	Comparative Transcriptome Analysis of White and Purple Potato to Identify Genes Involved in Anthocyanin Biosynthesis. <i>PLoS ONE</i> , 2015, 10, e0129148.	1.1	75
24	An Apple B-Box Protein MdBBX37 Modulates Anthocyanin Biosynthesis and Hypocotyl Elongation Synergistically with MdMYBs and MdHY5. <i>Plant and Cell Physiology</i> , 2020, 61, 130-143.	1.5	70
25	The Phytoene synthase gene family of apple (<i>Malus x domestica</i>) and its role in controlling fruit carotenoid content. <i>BMC Plant Biology</i> , 2015, 15, 185.	1.6	65
26	MYBA and MYBPA transcription factors co-regulate anthocyanin biosynthesis in blue-coloured berries. <i>New Phytologist</i> , 2021, 232, 1350-1367.	3.5	56
27	MYBA From Blueberry (<i>Vaccinium</i> Section <i>Cyanococcus</i>) Is a Subgroup 6 Type R2R3MYB Transcription Factor That Activates Anthocyanin Production. <i>Frontiers in Plant Science</i> , 2018, 9, 1300.	1.7	55
28	Red and blue light treatments of ripening bilberry fruits reveal differences in signalling through abscisic acid-regulated anthocyanin biosynthesis. <i>Plant, Cell and Environment</i> , 2021, 44, 3227-3245.	2.8	51
29	Unraveling a genetic roadmap for improved taste in the domesticated apple. <i>Molecular Plant</i> , 2021, 14, 1454-1471.	3.9	47
30	Characterization of a ripening-related transcription factor FcNAC1 from <i>Fragaria chiloensis</i> fruit. <i>Scientific Reports</i> , 2018, 8, 10524.	1.6	44
31	The proanthocyanin-related transcription factors MYBC1 and WRKY44 regulate branch points in the kiwifruit anthocyanin pathway. <i>Scientific Reports</i> , 2020, 10, 14161.	1.6	44
32	Characterisation of the DELLA subfamily in apple (<i>Malus x domestica</i> Borkh.). <i>Tree Genetics and Genomes</i> , 2007, 3, 187-197.	0.6	43
33	Spatiotemporal Modulation of Flavonoid Metabolism in Blueberries. <i>Frontiers in Plant Science</i> , 2020, 11, 545.	1.7	42
34	Red to Brown: An Elevated Anthocyanic Response in Apple Drives Ethylene to Advance Maturity and Fruit Flesh Browning. <i>Frontiers in Plant Science</i> , 2019, 10, 1248.	1.7	41
35	Multiple Copies of a Simple MYB-Binding Site Confers Trans-regulation by Specific Flavonoid-Related R2R3 MYBs in Diverse Species. <i>Frontiers in Plant Science</i> , 2017, 8, 1864.	1.7	38
36	Apple B-box factors regulate light-responsive anthocyanin biosynthesis genes. <i>Scientific Reports</i> , 2019, 9, 17762.	1.6	38

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37	The red flesh of kiwifruit is differentially controlled by specific activation/repression systems. <i>New Phytologist</i> , 2022, 235, 630-645.	3.5	37
38	Opportunities and challenges for metabolic engineering of secondary metabolite pathways for improved human health characters in fruit and vegetable crops. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2013, 41, 154-177.	0.7	36
39	A functional genetic marker for apple red skin coloration across different environments. <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	0.6	32
40	Fine-mapping and validation of the genomic region underpinning pear red skin colour. <i>Horticulture Research</i> , 2019, 6, 29.	2.9	31
41	<i>Alcohol acyl transferase 1</i> links two distinct volatile pathways that produce esters and phenylpropenes in apple fruit. <i>Plant Journal</i> , 2017, 91, 292-305.	2.8	30
42	PbGA2ox8 induces vascular-related anthocyanin accumulation and contributes to red stripe formation on pear fruit. <i>Horticulture Research</i> , 2019, 6, 137.	2.9	30
43	Identification of Putative Precursor Genes for the Biosynthesis of Cannabinoid-Like Compound in <i>Radula marginata</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 537.	1.7	28
44	Genomic analysis uncovers functional variation in the C-terminus of anthocyanin-activating MYB transcription factors. <i>Horticulture Research</i> , 2021, 8, 77.	2.9	28
45	A chromosome-scale assembly of the bilberry genome identifies a complex locus controlling berry anthocyanin composition. <i>Molecular Ecology Resources</i> , 2022, 22, 345-360.	2.2	28
46	Competition between anthocyanin and kaempferol glycosides biosynthesis affects pollen tube growth and seed set of <i>Malus</i> . <i>Horticulture Research</i> , 2021, 8, 173.	2.9	24
47	Postharvest temperature and light treatments induce anthocyanin accumulation in peel of 'Akihime' plum (<i>Prunus salicina</i> Lindl.) via transcription factor PsMYB10.1. <i>Postharvest Biology and Technology</i> , 2021, 179, 111592.	2.9	24
48	Differential regulation of triterpene biosynthesis induced by an early failure in cuticle formation in apple. <i>Horticulture Research</i> , 2021, 8, 75.	2.9	23
49	microRNA172 targets <i>APETALA2</i> to regulate flavonoid biosynthesis in apple (<i>Malus</i>) Tj ETQq1 1 0.784314 rrgBT /Overlock 10	2.9	22
50	A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial. <i>Nutrients</i> , 2021, 13, 1092.	1.7	21
51	Hierarchical regulation of <i>MYBPA1</i> by anthocyanin- and proanthocyanidin-related MYB proteins is conserved in <i>Vaccinium</i> species. <i>Journal of Experimental Botany</i> , 2022, 73, 1344-1356.	2.4	20
52	Demystifying the liverwort <i>Radula marginata</i> , a critical review on its taxonomy, genetics, cannabinoid phytochemistry and pharmacology. <i>Phytochemistry Reviews</i> , 2019, 18, 953-965.	3.1	19
53	Resolving the developmental distribution patterns of polyphenols and related primary metabolites in bilberry (<i>Vaccinium myrtillus</i>) fruit. <i>Food Chemistry</i> , 2022, 374, 131703.	4.2	19
54	The PyPIF5-PymiR156a-PySPL9-PyMYB114/MYB10 module regulates light-induced anthocyanin biosynthesis in red pear. <i>Molecular Horticulture</i> , 2021, 1, .	2.3	16

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55	Genomic survey and gene expression analysis of the MYB-related transcription factor superfamily in potato (<i>Solanum tuberosum</i> L.). <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2450-2464.	3.6	15
56	Identification of Genes Involved in Flavonoid Biosynthesis of Chinese Narcissus (<i>Narcissus tazetta</i> L.). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.0	13
57	Kiwifruit with high anthocyanin content modulates NF- κ B activation and reduces CCL11 secretion in human alveolar epithelial cells. <i>Journal of Functional Foods</i> , 2020, 65, 103734.	1.6	13
58	Discovery of a stable vitamin C glycoside in crab apples (<i>Malus sylvestris</i>). <i>Phytochemistry</i> , 2020, 173, 112297.	1.4	13
59	Activation of PsMYB10.2 Transcription Causes Anthocyanin Accumulation in Flesh of the Red-Fleshed Mutant of "Sanyueli"™ (<i>Prunus salicina</i> Lindl.). <i>Frontiers in Plant Science</i> , 2021, 12, 680469.	1.7	13
60	GENETIC RELATIONSHIPS BETWEEN RED FLESH AND FRUIT QUALITY TRAITS IN APPLE. <i>Acta Horticulturae</i> , 2013, , 363-368.	0.1	12
61	Red-leafed apples affect the establishment, growth, and development of the light brown apple moth, <i>Epiphyas postvittana</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 261-275.	0.7	11
62	Failure to launch: the self-regulating Md-MYB10 R6 gene from apple is active in flowers but not leaves of <i>Petunia</i> . <i>Plant Cell Reports</i> , 2015, 34, 1817-1823.	2.8	11
63	The genome of low-chill Chinese plum "Sanyueli" (<i>Prunus salicina</i> Lindl.) provides insights into the regulation of the chilling requirement of flower buds. <i>Molecular Ecology Resources</i> , 2022, 22, 1919-1938.	2.2	11
64	The apple BTB protein MdbT2 positively regulates MdCOP1 abundance to repress anthocyanin biosynthesis. <i>Plant Physiology</i> , 2022, 190, 305-318.	2.3	10
65	The Coordinated Action of MYB Activators and Repressors Controls Proanthocyanidin and Anthocyanin Biosynthesis in <i>Vaccinium</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	8
66	THE CONTROL OF KIWIFRUIT RED FLESH COLOUR. <i>Acta Horticulturae</i> , 2011, , 103-109.	0.1	7
67	CISGENESIS IS A PROMISING APPROACH FOR FAST, ACCEPTABLE AND SAFE BREEDING OF PIP FRUIT. <i>Acta Horticulturae</i> , 2009, , 199-204.	0.1	7
68	Identification of a Strong Anthocyanin Activator, VbMYBA, From Berries of <i>Vaccinium bracteatum</i> Thunb.. <i>Frontiers in Plant Science</i> , 2021, 12, 697212.	1.7	7
69	REGULATION OF ANTHOCYANIN BIOSYNTHESIS IN STRAWBERRY (<i>FRAGARIA</i> SP.) BY OVER-EXPRESSION OF A KEY TRANSCRIPTION FACTOR. <i>Acta Horticulturae</i> , 2014, , 137-142.	0.1	2
70	Physiological and genetic control of red skin colouration in apples grown under warm and cool conditions. <i>Acta Horticulturae</i> , 2016, , 27-34.	0.1	2
71	Djuna Barnes's The Antiphon: "tedious" because they will not understand it"™. <i>Women</i> , 2006, 17, 188-201.		1
72	THE GENOMICS OF FRUIT QUALITY. <i>Acta Horticulturae</i> , 2009, , 421-426.	0.1	1

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73	IDENTIFYING GENES THAT REGULATE HORTICULTURAL TRAITS IN KIWIFRUIT. Acta Horticulturae, 2007, , 219-226.	0.1	0