

Differential combinatorial interactions of cis-acting elements, MYB, BZIP, and BHLH factors control light-responsive and tissue-specific phenylpropanoid biosynthesis genes

Plant Molecular Biology

57, 155-171

DOI: [10.1007/s11103-004-6910-0](https://doi.org/10.1007/s11103-004-6910-0)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The Arabidopsis Transcription Factor MYB12 Is a Flavonol-Specific Regulator of Phenylpropanoid Biosynthesis. <i>Plant Physiology</i> , 2005, 138, 1083-1096.	2.3	676
2	GENETICS AND BIOCHEMISTRY OF SEED FLAVONOIDS. <i>Annual Review of Plant Biology</i> , 2006, 57, 405-430.	8.6	1,056
3	Light-Induced Expression of a MYB Gene Regulates Anthocyanin Biosynthesis in Red Apples. <i>Plant Physiology</i> , 2006, 142, 1216-1232.	2.3	867
4	Seduced by the dark side: integrating molecular and ecological perspectives on the influence of light on plant defence against pests and pathogens. <i>New Phytologist</i> , 2006, 170, 677-699.	3.5	282
5	Dynamics of root growth stimulation in <i>Nicotiana tabacum</i> in increasing light intensity. <i>Plant, Cell and Environment</i> , 2006, 29, 1936-1945.	2.8	84
6	Tropinone reductases, enzymes at the branch point of tropane alkaloid metabolism. <i>Phytochemistry</i> , 2006, 67, 327-337.	1.4	82
7	Caught Red-Handed: Rc Encodes a Basic Helix-Loop-Helix Protein Conditioning Red Pericarp in Rice. <i>Plant Cell</i> , 2006, 18, 283-294.	3.1	465
8	Analysis of Transcription Factor HY5 Genomic Binding Sites Revealed Its Hierarchical Role in Light Regulation of Development. <i>Plant Cell</i> , 2007, 19, 731-749.	3.1	829
9	Isolation and Functional Analysis of a MYB Transcription Factor Gene that is a Key Regulator for the Development of Red Coloration in Apple Skin. <i>Plant and Cell Physiology</i> , 2007, 48, 958-970.	1.5	515
10	Molecular characterization of EgMYB1, a putative transcriptional repressor of the lignin biosynthetic pathway. <i>Plant Science</i> , 2007, 173, 542-549.	1.7	123
11	Flavonoid Biosynthesis in Barley Primary Leaves Requires the Presence of the Vacuole and Controls the Activity of Vacuolar Flavonoid Transport. <i>Plant Physiology</i> , 2007, 144, 432-444.	2.3	70
12	Salicylic Acid and Reactive Oxygen Species in the Activation of Stress Defense Genes. , 2007, , 197-246.		16
13	PIF3 regulates anthocyanin biosynthesis in an HY5-dependent manner with both factors directly binding anthocyanin biosynthetic gene promoters in Arabidopsis. <i>Plant Journal</i> , 2007, 49, 981-994.	2.8	354
14	Differential regulation of closely related R2R3-MYB transcription factors controls flavonol accumulation in different parts of the Arabidopsis thaliana seedling. <i>Plant Journal</i> , 2007, 50, 660-677.	2.8	937
15	A simplified method for the analysis of transcription factor-promoter interactions that allows high-throughput data generation. <i>Plant Journal</i> , 2007, 50, 911-916.	2.8	47
16	Differential gene expression in Arabidopsis wild-type and mutant anthers: insights into anther cell differentiation and regulatory networks. <i>Plant Journal</i> , 2007, 52, 14-29.	2.8	98
17	The sucrose regulated transcription factor bZIP11 affects amino acid metabolism by regulating the expression of <i>ASPARAGINE SYNTHETASE1</i> and <i>PROLINE DEHYDROGENASE2</i> . <i>Plant Journal</i> , 2008, 53, 935-949.	2.8	215
18	Evolution and current status of research in phenolic compounds. <i>Phytochemistry</i> , 2007, 68, 2722-2735.	1.4	507

#	ARTICLE	IF	CITATIONS
19	A novel pepper membrane-located receptor-like protein gene CaMRP1 is required for disease susceptibility, methyl jasmonate insensitivity and salt tolerance. <i>Plant Molecular Biology</i> , 2008, 67, 519-533.	2.0	24
20	Functional analysis of the <i>Arabidopsis thaliana</i> poly(A) binding protein PAB5 gene promoter in <i>Nicotiana tabacum</i> . <i>Plant Cell Reports</i> , 2008, 27, 1811-1819.	2.8	3
21	Identification of a novel cis-regulatory element for UV-B-induced transcription in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2008, 54, 402-414.	2.8	51
22	Regulation of the anthocyanin biosynthetic pathway by the TTG1/bHLH/Myb transcriptional complex in <i>Arabidopsis</i> seedlings. <i>Plant Journal</i> , 2008, 53, 814-827.	2.8	1,367
23	MYBL2 is a new regulator of flavonoid biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2008, 55, 940-953.	2.8	474
24	Relationship between homoeologous regulatory and structural genes in allopolyploid genome "A" case study in bread wheat. <i>BMC Plant Biology</i> , 2008, 8, 88.	1.6	69
25	Recent Advances in the Molecular Biology and Metabolic Engineering of Flavonoid Biosynthesis in Ornamental Plants. , 0, , 139-166.		2
26	Biosynthesis and Genetic Regulation of Proanthocyanidins in Plants. <i>Molecules</i> , 2008, 13, 2674-2703.	1.7	176
27	Expression analysis of anthocyanin regulatory genes in response to different light qualities in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2008, 165, 886-894.	1.6	257
28	Expression analysis of ANTHOCYANINLESS2 gene in <i>Arabidopsis</i> . <i>Plant Science</i> , 2008, 175, 853-857.	1.7	15
29	Promoter of a cotton fibre MYB gene functional in trichomes of <i>Arabidopsis</i> and glandular trichomes of tobacco. <i>Journal of Experimental Botany</i> , 2008, 59, 3533-3542.	2.4	76
30	Flavonoid Profiling and Biosynthetic Gene Expression in Flesh and Peel of Two Tomato Genotypes Grown under UV-B-Depleted Conditions during Ripening. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5905-5915.	2.4	53
31	Isolation and characterization of a seed-specific isoform of microsomal omega-6 fatty acid desaturase gene ( <i>FAD2-1B</i> ) from soybean. <i>DNA Sequence</i> , 2008, 19, 28-36.	0.7	7
32	Differential expression of three eucalyptus secondary cell wall-related cellulose synthase genes in response to tension stress. <i>Journal of Experimental Botany</i> , 2008, 59, 681-695.	2.4	43
33	The Clock Protein CCA1 and the bZIP Transcription Factor HY5 Physically Interact to Regulate Gene Expression in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2008, 1, 58-67.	3.9	104
34	Identification and Characterization of R2R3-MYB and bHLH Transcription Factors Regulating Anthocyanin Biosynthesis in Gentian Flowers. <i>Plant and Cell Physiology</i> , 2008, 49, 1818-1829.	1.5	137
35	The Transcription Factor VvMYB5b Contributes to the Regulation of Anthocyanin and Proanthocyanidin Biosynthesis in Developing Grape Berries. <i>Plant Physiology</i> , 2008, 147, 2041-2053.	2.3	358
36	DNA-Binding Study Identifies C-Box and Hybrid C/G-Box or C/A-Box Motifs as High-Affinity Binding Sites for STF1 and LONG HYPOCOTYL5 Proteins. <i>Plant Physiology</i> , 2008, 146, 1862-1877.	2.3	72

#	ARTICLE	IF	CITATIONS
38	The Grapevine R2R3-MYB Transcription Factor VvMYBF1 Regulates Flavonol Synthesis in Developing Grape Berries. <i>Plant Physiology</i> , 2009, 151, 1513-1530.	2.3	383
39	Expansion and Diversification of the <i>Populus</i> R2R3-MYB Family of Transcription Factors. <i>Plant Physiology</i> , 2009, 149, 981-993.	2.3	450
40	The Wound-, Pathogen-, and Ultraviolet B-Responsive MYB134 Gene Encodes an R2R3 MYB Transcription Factor That Regulates Proanthocyanidin Synthesis in Poplar. <i>Plant Physiology</i> , 2009, 150, 924-941.	2.3	249
41	Tilting at windmills: 20 years of <i>Hippeastrum</i> breeding. <i>Israel Journal of Plant Sciences</i> , 2009, 57, 303-313.	0.3	13
42	Transcriptional regulation of lignin biosynthesis. <i>Plant Signaling and Behavior</i> , 2009, 4, 1028-1034.	1.2	215
43	Light-induced vegetative anthocyanin pigmentation in <i>Petunia</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 2191-2202.	2.4	256
44	In Silico Evaluation of Predicted Regulatory Interactions in <i>Arabidopsis thaliana</i> . <i>BMC Bioinformatics</i> , 2009, 10, 435.	1.2	3
46	Metabolomic and genetic analyses of flavonol synthesis in <i>Arabidopsis thaliana</i> support the in vivo involvement of leucoanthocyanidin dioxygenase. <i>Planta</i> , 2009, 229, 427-445.	1.6	116
47	Identification of a <i>Polygonum cuspidatum</i> three-intron gene encoding a type III polyketide synthase producing both naringenin and p-hydroxybenzalacetone. <i>Planta</i> , 2009, 229, 1077-1086.	1.6	20
48	Stress-induced curcumin-L promoter in leaves of <i>Jatropha curcas</i> L. and characterization in transgenic tobacco. <i>Planta</i> , 2009, 230, 387-395.	1.6	45
49	Regulation and function of the pepper pectin methylesterase inhibitor (CaPMEI1) gene promoter in defense and ethylene and methyl jasmonate signaling in plants. <i>Planta</i> , 2009, 230, 1223-1237.	1.6	25
50	Genome-wide targeted prediction of ABA responsive genes in rice based on over-represented cis-motif in co-expressed genes. <i>Plant Molecular Biology</i> , 2009, 69, 261-271.	2.0	48
51	Isolation and Characterization of a Curcumin Promoter from <i>Jatropha curcas</i> L. and Its Regulation of Gene Expression in Transgenic Tobacco Plants. <i>Plant Molecular Biology Reporter</i> , 2009, 27, 275-281.	1.0	7
52	Two Highly Homologous Promoters of a Squash Aspartic Protease Inhibitor (SQAPI) Multigene Family Exhibit Differential Expression in Transgenic Tobacco Phloem and Trichome Cells. <i>Plant Molecular Biology Reporter</i> , 2009, 27, 355-364.	1.0	3
53	Isolation and Characterization of an Atypical LEA Protein Coding cDNA and its Promoter from Drought-Tolerant Plant <i>Prosopis juliflora</i> . <i>Applied Biochemistry and Biotechnology</i> , 2009, 157, 244-253.	1.4	13
54	Sequence analysis and functional characterization of the promoter of the <i>Picea glauca</i> Cinnamyl Alcohol Dehydrogenase gene in transgenic white spruce plants. <i>Plant Cell Reports</i> , 2009, 28, 787-800.	2.8	34
55	Biochemical and molecular characterization of plant MYB transcription factor family. <i>Biochemistry (Moscow)</i> , 2009, 74, 1-11.	0.7	179
56	Identification of regulatory elements involved in expression and induction by sucrose and UV-B light of the <i>Arabidopsis thaliana</i> COX5b gene, encoding an isoform of cytochrome c oxidase subunit 5b. <i>Physiologia Plantarum</i> , 2009, 137, 213-224.	2.6	11

#	ARTICLE	IF	CITATIONS
57	Multiple Repeats of a Promoter Segment Causes Transcription Factor Autoregulation in Red Apples. <i>Plant Cell</i> , 2009, 21, 168-183.	3.1	453
58	MYB58 and MYB63 Are Transcriptional Activators of the Lignin Biosynthetic Pathway during Secondary Cell Wall Formation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 248-266.	3.1	737
60	DkMyb4 Is a Myb Transcription Factor Involved in Proanthocyanidin Biosynthesis in Persimmon Fruit. <i>Plant Physiology</i> , 2009, 151, 2028-2045.	2.3	193
61	Different Functions and Expression Profiles of Curcin and Curcin-L in <i>Jatropha curcas</i> L.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2010, 65, 355-362.	0.6	13
62	Genetic and environmental effects influencing fruit colour and QTL analysis in raspberry. <i>Theoretical and Applied Genetics</i> , 2010, 121, 611-627.	1.8	56
63	Overexpression of LEAFY in apple leads to a columnar phenotype with shorter internodes. <i>Planta</i> , 2010, 231, 251-263.	1.6	50
64	Differential expression of CHS7 and CHS8 genes in soybean. <i>Planta</i> , 2010, 231, 741-753.	1.6	59
65	DkMyb2 wound-induced transcription factor of persimmon ( <i>Diospyros kaki</i> Thunb.), contributes to proanthocyanidin regulation. <i>Planta</i> , 2010, 232, 1045-1059.	1.6	81
66	Genetic analysis of gene expression for pigmentation in Chinese cabbage ( <i>Brassica rapa</i> ). <i>Biochip Journal</i> , 2010, 4, 123-128.	2.5	13
67	Computational identification of seed-specific transcription factors involved in anthocyanin production in black rice. <i>Biochip Journal</i> , 2010, 4, 247-255.	2.5	25
68	Cloning of a flower-specific expression promoter from <i>Arabidopsis thaliana</i> and its plant expression vector construction. <i>Forestry Studies in China</i> , 2010, 12, 201-205.	0.4	2
69	Phenolic Composition and Antioxidant Capacity of Bilberry ( <i>Vaccinium myrtillus</i> ) Leaves in Northern Europe Following Foliar Development and Along Environmental Gradients. <i>Journal of Chemical Ecology</i> , 2010, 36, 1017-1028.	0.9	100
70	Genome-wide analysis of the chalcone synthase superfamily genes of <i>Physcomitrella patens</i> . <i>Plant Molecular Biology</i> , 2010, 72, 247-263.	2.0	73
71	Isolation of WDR and bHLH genes related to flavonoid synthesis in grapevine ( <i>Vitis vinifera</i> L.). <i>Plant Molecular Biology</i> , 2010, 72, 607-620.	2.0	190
72	Coordinated transcriptional regulation of two key genes in the lignin branch pathway - CAD and CCR - is mediated through MYB-binding sites. <i>BMC Plant Biology</i> , 2010, 10, 130.	1.6	34
73	Analysis of PRODUCTION OF FLAVONOL GLYCOSIDES-dependent flavonol glycoside accumulation in <i>Arabidopsis thaliana</i> plants reveals MYB11-dependent, MYB12-dependent and MYB11-independent flavonol glycoside accumulation. <i>New Phytologist</i> , 2010, 188, 985-1000.	3.5	285
74	The <i>Arabidopsis</i> bZIP transcription factor HY5 regulates expression of the PFG1/MYB12 gene in response to light and ultraviolet-B radiation. <i>Plant, Cell and Environment</i> , 2010, 33, 88-103.	2.8	324
75	The DDB1a interacting proteins ATCSA-1 and DDB2 are critical factors for UV-B tolerance and genomic integrity in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2010, 62, 404-415.	2.8	75

#	ARTICLE	IF	CITATIONS
76	Computational identification of anthocyanin-specific transcription factors using a rice microarray and maximum boundary range algorithm. <i>Evolutionary Bioinformatics</i> , 2010, 6, EBO.S6077.	0.6	10
77	The Purple Cauliflower Arises from Activation of a MYB Transcription Factor. <i>Plant Physiology</i> , 2010, 154, 1470-1480.	2.3	250
78	MYB46 Modulates Disease Susceptibility to <i>Botrytis cinerea</i> in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 155, 1920-1935.	2.3	99
79	Putative cis-regulatory elements in genes highly expressed in rice sperm cells. <i>BMC Research Notes</i> , 2011, 4, 319.	0.6	46
80	Recent advances in the transcriptional regulation of the flavonoid biosynthetic pathway. <i>Journal of Experimental Botany</i> , 2011, 62, 2465-2483.	2.4	990
81	The irradiance dependent transcriptional regulation of <i>AtCLPB3</i> expression. <i>Plant Science</i> , 2011, 181, 449-456.	1.7	9
82	Regulation of Isoflavonoid Biosynthesis in Soybean Seeds. , 0, , .		6
83	Arctic Mustard Flower Color Polymorphism Controlled by Petal-Specific Downregulation at the Threshold of the Anthocyanin Biosynthetic Pathway. <i>PLoS ONE</i> , 2011, 6, e18230.	1.1	80
84	Crosstalk between abiotic ultraviolet-B stress and biotic ( <i>flg22</i> ) stress signalling in <i>Arabidopsis</i> prevents flavonol accumulation in favor of pathogen defence compound production. <i>Plant, Cell and Environment</i> , 2011, 34, 1849-1864.	2.8	121
85	The transcription factor EMISSION OF BENZENOIDES II activates the MYB <i>ODORANT1</i> promoter at a MYB binding site specific for fragrant petunias. <i>Plant Journal</i> , 2011, 67, 917-928.	2.8	82
86	Utility testing of an apple skin color <i>MdMYB1</i> marker in two progenies. <i>Molecular Breeding</i> , 2011, 27, 525-532.	1.0	32
87	Computational identification of Chinese cabbage anthocyanin-specific genes. <i>Biochip Journal</i> , 2011, 5, 184-192.	2.5	4
88	Co-expression of <i>GbMYB1</i> and <i>GbMYC1</i> induces anthocyanin accumulation in roots of cultured <i>Gynura bicolor</i> DC. plantlet on methyl jasmonate treatment. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 159-167.	2.8	24
89	Transcriptional Regulation of <i>Arabidopsis LEAFY COTYLEDON2</i> Involves <i>RLE</i> , a cis-Element That Regulates Trimethylation of Histone H3 at Lysine-27. <i>Plant Cell</i> , 2011, 23, 4065-4078.	3.1	120
90	Differential Expression of Three Flavanone 3-Hydroxylase Genes in Grains and Coleoptiles of Wheat. <i>International Journal of Plant Genomics</i> , 2011, 2011, 1-11.	2.2	32
91	Reporter Gene Expression Patterns Regulated by an <i>Ara h 2</i> Promoter Differ in Homologous Versus Heterologous Systems1. <i>Peanut Science</i> , 2012, 39, 43-52.	0.2	3
92	Isolation and characterization of <i>GtMYBP3</i> and <i>GtMYBP4</i> , orthologues of R2R3-MYB transcription factors that regulate early flavonoid biosynthesis, in gentian flowers. <i>Journal of Experimental Botany</i> , 2012, 63, 6505-6517.	2.4	79
93	Integration of Bioinformatics and Synthetic Promoters Leads to the Discovery of Novel Elicitor-Responsive cis-Regulatory Sequences in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 178-191.	2.3	53

#	ARTICLE	IF	CITATIONS
94	Seasonal Abscisic Acid Signal and a Basic Leucine Zipper Transcription Factor, DkbZIP5, Regulate Proanthocyanidin Biosynthesis in Persimmon Fruit. <i>Plant Physiology</i> , 2012, 158, 1089-1102.	2.3	66
95	Genetic Analysis of Strawberry Fruit Aroma and Identification of <i>O</i> -Methyltransferase FaOMT as the Locus Controlling Natural Variation in Methylfuran Content. <i>Plant Physiology</i> , 2012, 159, 851-870.	2.3	132
96	Pigment accumulation and transcription of LhMYB12 and anthocyanin biosynthesis genes during flower development in the Asiatic hybrid lily ( <i>Lilium</i> spp.). <i>Plant Science</i> , 2012, 193-194, 136-147.	1.7	59
97	Characterization of a Glucosyltransferase Enzyme Involved in the Formation of Kaempferol and Quercetin Sophorosides in <i>Crocus sativus</i> . <i>Plant Physiology</i> , 2012, 159, 1335-1354.	2.3	55
98	Characterization of a set of novel meiotically-active promoters in Arabidopsis. <i>BMC Plant Biology</i> , 2012, 12, 104.	1.6	22
99	Genome-wide analysis of the MYB transcription factor superfamily in soybean. <i>BMC Plant Biology</i> , 2012, 12, 106.	1.6	339
100	Molecular characterization, expression and functional analysis of the amino acid transporter gene family (OsAATs) in rice. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1943-1962.	1.0	30
101	Coloring genetically modified soybean grains with anthocyanins by suppression of the proanthocyanidin genes ANR1 and ANR2. <i>Transgenic Research</i> , 2012, 21, 757-771.	1.3	30
102	Molecular cloning and functional characterization of <i>Catharanthus roseus</i> hydroxymethylbutenyl 4-diphosphate synthase gene promoter from the methyl erythritol phosphate pathway. <i>Molecular Biology Reports</i> , 2012, 39, 5433-5447.	1.0	17
103	The scutellar vascular bundle-specific promoter of the wheat HD-Zip IV transcription factor shows similar spatial and temporal activity in transgenic wheat, barley and rice. <i>Plant Biotechnology Journal</i> , 2012, 10, 43-53.	4.1	15
104	Characterization of the Tomato Prosystemin Promoter: Organ-specific Expression, Hormone Specificity and Methyl Jasmonate Responsiveness by Deletion Analysis in Transgenic Tobacco Plants. <i>Journal of Integrative Plant Biology</i> , 2012, 54, 15-32.	4.1	9
105	Light quality affects flavonoid biosynthesis in young berries of Cabernet Sauvignon grape. <i>Phytochemistry</i> , 2012, 78, 54-64.	1.4	225
106	Three types of ultraviolet irradiation differentially promote expression of shikimate pathway genes and production of anthocyanins in grape berries. <i>Plant Physiology and Biochemistry</i> , 2012, 57, 74-83.	2.8	74
107	Differential stress-response expression of two flavonol synthase genes and accumulation of flavonols in tartary buckwheat. <i>Journal of Plant Physiology</i> , 2013, 170, 1630-1636.	1.6	54
108	Structure, variation and expression analysis of glutenin gene promoters from <i>Triticum aestivum</i> cultivar Chinese Spring shows the distal region of promoter 1Bx7 is key regulatory sequence. <i>Gene</i> , 2013, 527, 484-490.	1.0	19
109	Ectopic expression of the Osmyb4 rice gene enhances synthesis of hydroxycinnamic acid derivatives in tobacco and clary sage. <i>Biologia Plantarum</i> , 2013, 57, 179-183.	1.9	18
110	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
111	Petal-specific activity of the promoter of an anthocyanidin synthase gene of tobacco ( <i>Nicotiana glauca</i> ). <i>Plant Physiology</i> , 2013, 161, 1143-1154.	1.2	14

#	ARTICLE	IF	CITATIONS
112	Increased growth and phenolic compounds in bilberry ( <i>Vaccinium myrtillus</i> L.) following forest clear-cutting. Scandinavian Journal of Forest Research, 2013, 28, 319-330.	0.5	29
113	A review of target gene specificity of flavonoid R2R3-MYB transcription factors and a discussion of factors contributing to the target gene selectivity. Frontiers in Biology, 2013, 8, 577-598.	0.7	71
114	Chalcone synthase family genes have redundant roles in anthocyanin biosynthesis and in response to blue/UV-A light in turnip ( <i>Brassica rapa</i> ; Brassicaceae). American Journal of Botany, 2013, 100, 2458-2467.	0.8	59
115	Transcriptional activation of flavan-3-ols biosynthesis in grape berries by UV irradiation depending on developmental stage. Plant Science, 2013, 208, 64-74.	1.7	40
116	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.	1.0	25
117	Genomics of Cereal-Based Functional Foods. , 2013, , 247-274.		2
118	Medicago glucosyltransferase UGT72L1: potential roles in proanthocyanidin biosynthesis. Planta, 2013, 238, 139-154.	1.6	39
119	Molecular cloning and expression analysis of a new stress-related AREB gene from <i>Arachis hypogaea</i> . Biologia Plantarum, 2013, 57, 56-62.	1.9	12
120	Arabidopsis Copper Transport Protein COPT2 Participates in the Cross Talk between Iron Deficiency Responses and Low-Phosphate Signaling. Plant Physiology, 2013, 162, 180-194.	2.3	113
121	Transcription factors, sucrose, and sucrose metabolic genes interact to regulate potato phenylpropanoid metabolism. Journal of Experimental Botany, 2013, 64, 5115-5131.	2.4	121
122	Anthocyanin profile and gene expression in berry skin of two red <i>Vitis vinifera</i> grape cultivars that are sunlight dependent versus sunlight independent. Australian Journal of Grape and Wine Research, 2013, 19, 238-248.	1.0	42
123	Functional Characterization of the Poplar R2R3-MYB Transcription Factor PtoMYB216 Involved in the Regulation of Lignin Biosynthesis during Wood Formation. PLoS ONE, 2013, 8, e76369.	1.1	99
124	Genome-Wide Transcriptional Profiles of the Berry Skin of Two Red Grape Cultivars ( <i>Vitis vinifera</i> ) in Which Anthocyanin Synthesis Is Sunlight-Dependent or -Independent. PLoS ONE, 2014, 9, e105959.	1.1	25
125	Identification and Molecular Characterization of MYB Transcription Factor Superfamily in C4 Model Plant Foxtail Millet ( <i>Setaria italica</i> L.). PLoS ONE, 2014, 9, e109920.	1.1	105
126	Isolation and analysis of the promoter of an anthocyanin synthase gene from purple-fleshed sweet potato tubers. Acta Physiologiae Plantarum, 2014, 36, 2637-2649.	1.0	9
127	New insights toward the transcriptional engineering of proanthocyanidin biosynthesis. Plant Signaling and Behavior, 2014, 9, e28736.	1.2	25
128	Functional Characterization of a Bidirectional Plant Promoter from Cotton Leaf Curl Burewala Virus Using an Agrobacterium-Mediated Transient Assay. Viruses, 2014, 6, 223-242.	1.5	20
129	Light-controlled flavonoid biosynthesis in fruits. Frontiers in Plant Science, 2014, 5, 534.	1.7	353



#	ARTICLE	IF	CITATIONS
130	Complexity and robustness of the flavonoid transcriptional regulatory network revealed by comprehensive analyses of MYB-HLH-WDR complexes and their targets in Arabidopsis seed. <i>New Phytologist</i> , 2014, 202, 132-144.	3.5	338
131	Functional mechanisms of drought tolerance in subtropical maize ( <i>Zea mays</i> L.) identified using genome-wide association mapping. <i>BMC Genomics</i> , 2014, 15, 1182.	1.2	79
132	Environmental trends in the variation of biologically active phenolic compounds in Labrador tea, <i>Rhododendron groenlandicum</i> , from northern Quebec, Canada. <i>Botany</i> , 2014, 92, 783-794.	0.5	13
133	Characterization of Putative cis-Regulatory Elements in Genes Preferentially Expressed in Arabidopsis Male Meiocytes. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	18
134	Opposite action of R2R3-MYBs from different subgroups on key genes of the shikimate and monolignol pathways in spruce. <i>Journal of Experimental Botany</i> , 2014, 65, 495-508.	2.4	34
135	Cloning of a novel type III polyketide synthase encoded by a three-intron gene from <i>Polygonum cuspidatum</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2014, 23, 104-111.	0.9	2
136	Upregulation of the AT-hook DNA binding gene BoMF2 in OguCMS anthers of <i>Brassica oleracea</i> suggests that it encodes a transcriptional regulatory factor for anther development. <i>Molecular Biology Reports</i> , 2014, 41, 2005-2014.	1.0	15
137	Suppression of expression of the putative receptor-like kinase gene NRRB enhances resistance to bacterial leaf streak in rice. <i>Molecular Biology Reports</i> , 2014, 41, 2177-2187.	1.0	18
138	The homoeologous genes encoding chalcone flavanone isomerase in <i>Triticum aestivum</i> L.: Structural characterization and expression in different parts of wheat plant. <i>Gene</i> , 2014, 538, 334-341.	1.0	38
139	X1-homologous genes family as central components in biotic and abiotic stresses response in maize ( <i>Zea mays</i> L.). <i>Functional and Integrative Genomics</i> , 2014, 14, 101-110.	1.4	1
140	Gene silencing of Sugar-dependent 1 (JcSDP1), encoding a patatin-domain triacylglycerol lipase, enhances seed oil accumulation in <i>Jatropha curcas</i> . <i>Biotechnology for Biofuels</i> , 2014, 7, 36.	6.2	82
141	Functional characterization of a new grapevine MYB transcription factor and regulation of proanthocyanidin biosynthesis in grapes. <i>Journal of Experimental Botany</i> , 2014, 65, 4433-4449.	2.4	87
142	The UV-B Photoreceptor UVR8: From Structure to Physiology. <i>Plant Cell</i> , 2014, 26, 21-37.	3.1	258
143	An intracellular antifreeze protein from an Antarctic microalga that responds to various environmental stresses. <i>FASEB Journal</i> , 2014, 28, 4924-4935.	0.2	19
144	Temporal and spatial regulation of anthocyanin biosynthesis provide diverse flower colour intensities and patterning in <i>Cymbidium</i> orchid. <i>Planta</i> , 2014, 240, 983-1002.	1.6	39
145	Anthocyanin biosynthetic genes in <i>Brassica rapa</i> . <i>BMC Genomics</i> , 2014, 15, 426.	1.2	112
146	Characterization of an apple TT2-type R2R3 MYB transcription factor functionally similar to the poplar proanthocyanidin regulator PtMYB134. <i>Planta</i> , 2014, 240, 497-511.	1.6	61
147	Molecular characterization of mutations in white-flowered torenia plants. <i>BMC Plant Biology</i> , 2014, 14, 86.	1.6	24

#	ARTICLE	IF	CITATIONS
148	LVR8 mediated plant protective responses under low UV-B radiation leading to photosynthetic acclimation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 137, 67-76.	1.7	36
149	Temporal and spatial control of gene expression in horticultural crops. <i>Horticulture Research</i> , 2014, 1, 14047.	2.9	84
150	Gene structure, phylogeny and expression profile of the sucrose synthase gene family in cacao ( <i>Theobroma cacao</i> L.). <i>Journal of Genetics</i> , 2015, 94, 461-472.	0.4	18
151	Global transcriptome analysis profiles metabolic pathways in traditional herb <i>Astragalus membranaceus</i> Bge. var. <i>mongolicus</i> (Bge.) Hsiao. <i>BMC Genomics</i> , 2015, 16, S15.	1.2	40
152	Promoter Analysis and Transcriptional Profiling of <i>Ginkgo biloba</i> 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase (GbHMGR) gene in Abiotic Stress Responses. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 25-34.	0.5	16
153	Functional Characterization of a Strong Bi-directional Constitutive Plant Promoter Isolated from Cotton Leaf Curl Burewala Virus. <i>PLoS ONE</i> , 2015, 10, e0121656.	1.1	21
154	<i>Prunus</i> transcription factors: breeding perspectives. <i>Frontiers in Plant Science</i> , 2015, 6, 443.	1.7	30
155	Isolation, Expression, and Promoter Analysis of <i>GbWRKY2</i> : A Novel Transcription Factor Gene from <i>Ginkgo biloba</i> . <i>International Journal of Genomics</i> , 2015, 2015, 1-17.	0.8	18
156	<i>Castanea</i> root transcriptome in response to <i>Phytophthora cinnamomi</i> challenge. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	0.6	72
157	Regulation of flavonol content and composition in (Syrah—Pinot Noir) mature grapes: integration of transcriptional profiling and metabolic quantitative trait locus analyses. <i>Journal of Experimental Botany</i> , 2015, 66, 4441-4453.	2.4	58
158	Isolation of a maize ZmCI-1B promoter and characterization of its activity in transgenic maize and tobacco. <i>Plant Cell Reports</i> , 2015, 34, 1443-1457.	2.8	3
159	Light response and potential interacting proteins of a grape flavonoid 3- $\alpha$ -hydroxylase gene promoter. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 70-81.	2.8	27
160	Multi-level engineering facilitates the production of phenylpropanoid compounds in tomato. <i>Nature Communications</i> , 2015, 6, 8635.	5.8	303
161	Transcriptome analysis of an apple ( <i>Malus domestica</i> ) yellow fruit somatic mutation identifies a gene network module highly associated with anthocyanin and epigenetic regulation. <i>Journal of Experimental Botany</i> , 2015, 66, 7359-7376.	2.4	253
162	Changing scenario in plant UV-B research: UV-B from a generic stressor to a specific regulator. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 334-343.	1.7	38
163	A Kelch domain-containing F-box coding gene negatively regulates flavonoid accumulation in <i>Cucumis melo</i> L.. <i>Plant Physiology</i> , 2015, 169, pp.01008.2015.	2.3	77
164	Characterization of the cis elements in the proximal promoter regions of the anthocyanin pathway genes reveals a common regulatory logic that governs pathway regulation. <i>Journal of Experimental Botany</i> , 2015, 66, 3775-3789.	2.4	80
165	Identification and functional characterization of the BBX24 promoter and gene from chrysanthemum in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2015, 89, 1-19.	2.0	25

#	ARTICLE	IF	CITATIONS
166	Role of a chalcone isomerase-like protein in flavonoid biosynthesis in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 7165-7179.	2.4	131
167	Light signaling in photosynthetic eukaryotes with <i>green</i> <sup>TM</sup> and <i>red</i> <sup>TM</sup> chloroplasts. <i>Environmental and Experimental Botany</i> , 2015, 114, 30-47.	2.0	21
168	A Cotton Gbvd5 Gene Encoding a Leucine-Rich-Repeat Receptor-Like Protein Confers Resistance to <i>Verticillium dahliae</i> in Transgenic <i>Arabidopsis</i> and Upland Cotton. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 987-1001.	1.0	43
169	A novel pairwise comparison method for in silico discovery of statistically significant cis-regulatory elements in eukaryotic promoter regions: Application to <i>Arabidopsis</i> . <i>Journal of Theoretical Biology</i> , 2015, 364, 364-376.	0.8	17
170	From <i>UVR8</i> to flavonol synthase: <i>UVR8</i> induced gene expression in <i>S</i> auvignon blanc grape berry. <i>Plant, Cell and Environment</i> , 2015, 38, 905-919.	2.8	109
171	Identification, Characterization and Expression Profiling of Dicer-Like, Argonaute and RNA-Dependent RNA Polymerase Gene Families in Foxtail Millet. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 43-55.	1.0	54
172	Transcriptome Analysis of Differentially Expressed Genes Involved in Proanthocyanidin Accumulation in the Rhizomes of <i>Fagopyrum dibotrys</i> and an Irradiation-Induced Mutant. <i>Frontiers in Physiology</i> , 2016, 7, 100.	1.3	16
173	Phenylpropanoids Accumulation in Eggplant Fruit: Characterization of Biosynthetic Genes and Regulation by a MYB Transcription Factor. <i>Frontiers in Plant Science</i> , 2015, 6, 1233.	1.7	79
174	Melatonin Improved Anthocyanin Accumulation by Regulating Gene Expressions and Resulted in High Reactive Oxygen Species Scavenging Capacity in Cabbage. <i>Frontiers in Plant Science</i> , 2016, 7, 197.	1.7	117
175	Isolation and Functional Characterization of Bidirectional Promoters in Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 766.	1.7	14
176	De novo Transcriptome Analysis Revealed Genes Involved in Flavonoid and Vitamin C Biosynthesis in <i>Phyllanthus emblica</i> (L.). <i>Frontiers in Plant Science</i> , 2016, 7, 1610.	1.7	24
177	In silico analysis of transcription factor binding sites in promoters of germin-like protein genes in rice. <i>Archives of Biological Sciences</i> , 2016, 68, 863-876.	0.2	10
178	Light affects salt stress-induced transcriptional memory of <i>P5CS1</i> in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8335-E8343.	3.3	125
179	Computational analysis of <i>atpB</i> gene promoter from different Pakistani apple varieties. <i>Computational Biology and Chemistry</i> , 2016, 64, 1-8.	1.1	1
180	Characterization of a New Pink-Fruited Tomato Mutant Results in the Identification of a Null Allele of the <i>SIMYB12</i> Transcription Factor. <i>Plant Physiology</i> , 2016, 171, 1821-1836.	2.3	47
181	Characterization and expression profiling of MYB transcription factors against stresses and during male organ development in Chinese cabbage ( <i>Brassica rapa</i> ssp. <i>pekinensis</i> ). <i>Plant Physiology and Biochemistry</i> , 2016, 104, 200-215.	2.8	29
182	Molecular Cloning and Expression Analysis of a Hexokinase Gene, <i>MdHXK1</i> in Apple. <i>Horticultural Plant Journal</i> , 2016, 2, 67-74.	2.3	13
183	The influence of light quality on the accumulation of flavonoids in tobacco ( <i>Nicotiana tabacum</i> L.) leaves. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 544-549.	1.7	44

#	ARTICLE	IF	CITATIONS
184	Identification and characterization of promoters and cis-regulatory elements of genes involved in secondary metabolites production in hop ( <i>Humulus lupulus</i> . L). <i>Computational Biology and Chemistry</i> , 2016, 64, 346-352.	1.1	15
185	Fatty acid 1%-hydroxylases from <i>Solanum tuberosum</i> . <i>Plant Cell Reports</i> , 2016, 35, 2435-2448.	2.8	14
186	RNAi-mediated suppression of dihydroflavonol 4-reductase in tobacco allows fine-tuning of flower color and flux through the flavonoid biosynthetic pathway. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 482-490.	2.8	34
187	Genome-wide analysis of heat shock proteins in C4 model, foxtail millet identifies potential candidates for crop improvement under abiotic stress. <i>Scientific Reports</i> , 2016, 6, 32641.	1.6	79
188	Genome-wide Expression Analysis and Metabolite Profiling Elucidate Transcriptional Regulation of Flavonoid Biosynthesis and Modulation under Abiotic Stresses in Banana. <i>Scientific Reports</i> , 2016, 6, 31361.	1.6	52
189	Novel green tissue-specific synthetic promoters and cis-regulatory elements in rice. <i>Scientific Reports</i> , 2016, 5, 18256.	1.6	28
190	Characterization of a Citrus R2R3-MYB Transcription Factor that Regulates the Flavonol and Hydroxycinnamic Acid Biosynthesis. <i>Scientific Reports</i> , 2016, 6, 25352.	1.6	93
191	The grapevine VvZIP22 transcription factor is involved in the regulation of flavonoid biosynthesis. <i>Journal of Experimental Botany</i> , 2016, 67, 3509-3522.	2.4	55
192	Synthetic tetramer of a <i>Phytophthora sojae</i> -inducible fragment from soybean GmaSKI36 promoter improves its pathogen induction activities. <i>Physiological and Molecular Plant Pathology</i> , 2016, 93, 49-57.	1.3	1
193	Characterization and Transcriptional Profiling of <i>Ginkgo biloba</i> Mevalonate Diphosphate Decarboxylase Gene ( <i>GbMVD</i> ) Promoter Towards Light and Exogenous Hormone Treatments. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 566-581.	1.0	14
194	Soybean isoflavonoids: role of GmMYB176 interactome and 14-3-3 proteins. <i>Phytochemistry Reviews</i> , 2016, 15, 391-403.	3.1	18
195	MYB12 and MYB22 play essential roles in proanthocyanidin and flavonol synthesis in red-fleshed apple ( <i>Malus sieversii</i> f. <i>niedzwetzkyana</i> ). <i>Plant Journal</i> , 2017, 90, 276-292.	2.8	235
196	Global transcriptome analysis of <i>Huperzia serrata</i> and identification of critical genes involved in the biosynthesis of huperzine A. <i>BMC Genomics</i> , 2017, 18, 245.	1.2	31
197	A Proteolytic Regulator Controlling Chalcone Synthase Stability and Flavonoid Biosynthesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2017, 29, 1157-1174.	3.1	122
198	Characterization of a strong green tissue-specific motif in rice photosystem I gene promoter Ppsak. <i>Plant Biotechnology Reports</i> , 2017, 11, 87-95.	0.9	5
199	A group of grapevine MYBA transcription factors located in chromosome 14 control anthocyanin synthesis in vegetative organs with different specificities compared with the berry color locus. <i>Plant Journal</i> , 2017, 91, 220-236.	2.8	103
200	Transcriptomic profiling of two Pak Choi varieties with contrasting anthocyanin contents provides an insight into structural and regulatory genes in anthocyanin biosynthetic pathway. <i>BMC Genomics</i> , 2017, 18, 288.	1.2	24
201	Mirador on the potential role of miRNAs in synergy of light and heat networks. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 587-607.	0.8	10

#	ARTICLE	IF	CITATIONS
203	Characterization and expression analysis of a chalcone isomerase-like gene in relation to petal color of <i>Actinidia chrysantha</i> . <i>Biologia (Poland)</i> , 2017, 72, 753-763.	0.8	7
204	A Comparison of Phenylpropanoid Pathway Gene Families in Common Bean. Focus on P450 and C4H Genes. <i>Compendium of Plant Genomes</i> , 2017, , 219-261.	0.3	7
205	In silico characterisation of novel rice transcripts differentially expressed in phosphorus deficient conditions suggests a role of these transcripts in multiple abiotic stresses. <i>Acta Biologica Hungarica</i> , 2017, 68, 398-411.	0.7	1
206	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
207	Functional Analysis of Two Flavanone-3-Hydroxylase Genes from <i>Camellia sinensis</i> : A Critical Role in Flavonoid Accumulation. <i>Genes</i> , 2017, 8, 300.	1.0	52
208	Understanding the molecular mechanisms underlying the effects of light intensity on flavonoid production by RNA-seq analysis in <i>Epimedium pseudowushanense</i> B.L.Guo. <i>PLoS ONE</i> , 2017, 12, e0182348.	1.1	17
209	The zinc-finger transcription factor ZAT6 is essential for hydrogen peroxide induction of anthocyanin synthesis in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2018, 97, 165-176.	2.0	43
210	Identification of Ethanol-inducible Genes and Isolation of the Myb-related Protein-like Promoter in <i>Oryza sativa</i> L.. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 452-470.	2.8	3
211	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
212	BachBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. <i>Phytochemistry Reviews</i> , 2018, 17, 291-326.	3.1	12
213	Transcriptome profiling reveals specific patterns of paclitaxel synthesis in a new <i>Taxus yunnanensis</i> cultivar. <i>Plant Physiology and Biochemistry</i> , 2018, 122, 10-18.	2.8	23
214	Isolation of five rice nonendosperm tissue-expressed promoters and evaluation of their activities in transgenic rice. <i>Plant Biotechnology Journal</i> , 2018, 16, 1138-1147.	4.1	7
216	Transcriptional Activation of Anthocyanin Biosynthesis in Developing Fruit of Blueberries ( <i>Vaccinium corymbosum</i> L.) by Preharvest and Postharvest UV Irradiation. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10931-10942.	2.4	40
217	Transcriptome Analysis of Bael ( <i>Aegle marmelos</i> (L.) Corr.) a Member of Family Rutaceae. <i>Forests</i> , 2018, 9, 450.	0.9	8
218	Metabolite profiling and transcriptomic analyses reveal an essential role of UVR8-mediated signal transduction pathway in regulating flavonoid biosynthesis in tea plants ( <i>Camellia sinensis</i> ) in response to shading. <i>BMC Plant Biology</i> , 2018, 18, 233.	1.6	84
219	Transcriptomic analyses of cacao cell suspensions in light and dark provide target genes for controlled flavonoid production. <i>Scientific Reports</i> , 2018, 8, 13575.	1.6	14
220	Apple bZIP transcription factor MdbZIP44 regulates abscisic acid-promoted anthocyanin accumulation. <i>Plant, Cell and Environment</i> , 2018, 41, 2678-2692.	2.8	189
221	Advances in the Regulation of In Vitro Paclitaxel Production: Methylation of a Y-Patch Promoter Region Alters BAPT Gene Expression in <i>Taxus</i> Cell Cultures. <i>Plant and Cell Physiology</i> , 2018, 59, 2255-2267.	1.5	15

#	ARTICLE	IF	CITATIONS
222	Isolation and Characterization of the Flavonol Regulator CcMYB12 From the Globe Artichoke [ <i>Cynara cardunculus</i> var. <i>scolymus</i> (L.) Fiori]. <i>Frontiers in Plant Science</i> , 2018, 9, 941.	1.7	25
223	The proanthocyanidin-specific transcription factor MdMYBPA1 initiates anthocyanin synthesis under low-temperature conditions in red-fleshed apples. <i>Plant Journal</i> , 2018, 96, 39-55.	2.8	127
224	Structural, Functional, and Evolutionary Characterization of Major Drought Transcription Factors Families in Maize. <i>Frontiers in Chemistry</i> , 2018, 6, 177.	1.8	25
225	CIPK9 is involved in seed oil regulation in <i>Brassica napus</i> L. and <i>Arabidopsis thaliana</i> (L.) Heynh.. <i>Biotechnology for Biofuels</i> , 2018, 11, 124.	6.2	13
226	Comparisons of controlled environment and vineyard experiments in Sauvignon blanc grapes reveal similar UV-B signal transduction pathways for flavonol biosynthesis. <i>Plant Science</i> , 2018, 276, 44-53.	1.7	13
227	Identification of novel cis-elements bound by BpMYB46 involved in abiotic stress responses and secondary wall deposition. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 1000-1014.	4.1	18
228	Structural and functional dissection of differentially expressed tomato WRKY transcripts in host defense response against the vascular wilt pathogen ( <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> ). <i>PLoS ONE</i> , 2018, 13, e0193922.	1.1	34
229	Computational exploration of cis-regulatory modules in rhythmic expression data using the Exploration of Distinctive CREs and CRMs (EDCC) and CRM Network Generator (CNC) programs. <i>PLoS ONE</i> , 2018, 13, e0190421.	1.1	3
230	A comparative transcriptome analysis of a wild purple potato and its red mutant provides insight into the mechanism of anthocyanin transformation. <i>PLoS ONE</i> , 2018, 13, e0191406.	1.1	29
231	Epigenetic regulation of anthocyanin biosynthesis by an antagonistic interaction between H2A.Z and H3K4me3. <i>New Phytologist</i> , 2019, 221, 295-308.	3.5	68
232	MYB Transcription Repressors Regulate Plant Secondary Metabolism. <i>Critical Reviews in Plant Sciences</i> , 2019, 38, 159-170.	2.7	65
233	Molecular mechanism of MYB111 and WRKY40 involved in anthocyanin biosynthesis in red-fleshed apple callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 467-478.	1.2	20
234	Identification and Functional Characterization of a Soybean ( <i>Glycine max</i> ) Thioesterase that Acts on Intermediates of Fatty Acid Biosynthesis. <i>Plants</i> , 2019, 8, 397.	1.6	2
235	The R2R3-MYB Factor FhMYB5 From <i>Freesia hybrida</i> Contributes to the Regulation of Anthocyanin and Proanthocyanidin Biosynthesis. <i>Frontiers in Plant Science</i> , 2018, 9, 1935.	1.7	44
236	miR828 and miR858 regulate VvMYB114 to promote anthocyanin and flavonol accumulation in grapes. <i>Journal of Experimental Botany</i> , 2019, 70, 4775-4792.	2.4	136
237	Sexually differential gene expressions in poplar roots in response to nitrogen deficiency. <i>Tree Physiology</i> , 2019, 39, 1614-1629.	1.4	33
238	A Crucial Role of GA-Regulated Flavonol Biosynthesis in Root Growth of <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2019, 12, 521-537.	3.9	105
239	Identification and characterization of the GmRD26 soybean promoter in response to abiotic stresses: potential tool for biotechnological application. <i>BMC Biotechnology</i> , 2019, 19, 79.	1.7	21

#	ARTICLE	IF	CITATIONS
240	Characterization of a vacuolar sucrose transporter, HbSUT5, from <i>Hevea brasiliensis</i> : involvement in latex production through regulation of intracellular sucrose transport in the bark and laticifers. <i>BMC Plant Biology</i> , 2019, 19, 591.	1.6	7
241	Three LcABFs are Involved in the Regulation of Chlorophyll Degradation and Anthocyanin Biosynthesis During Fruit Ripening in <i>Litchi chinensis</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 448-461.	1.5	42
242	AtHB2, a class II HD-ZIP protein, negatively regulates the expression of CsANS, which encodes a key enzyme in <i>Camellia sinensis</i> catechin biosynthesis. <i>Physiologia Plantarum</i> , 2019, 166, 936-945.	2.6	14
243	The light-induced transcription factor FtMYB116 promotes accumulation of rutin in <i>Fagopyrum tataricum</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 1340-1351.	2.8	45
244	Epigenetic control of UV-B-induced flavonoid accumulation in <i>Artemisia annua</i> L.. <i>Planta</i> , 2019, 249, 497-514.	1.6	31
245	Trichome regulator SIMIXTA-like directly manipulates primary metabolism in tomato fruit. <i>Plant Biotechnology Journal</i> , 2020, 18, 354-363.	4.1	50
246	Genetic and Physical Localization of the Gene Controlling Leaf Pigmentation Pattern in <i>Medicago truncatula</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4159-4165.	0.8	3
247	Metabolome and transcriptome analyses reveal flavonoids biosynthesis differences in <i>Ginkgo biloba</i> associated with environmental conditions. <i>Industrial Crops and Products</i> , 2020, 158, 112963.	2.5	40
248	Deficiencies in the formation and regulation of anther cuticle and tryphine contribute to male sterility in cotton PGMS line. <i>BMC Genomics</i> , 2020, 21, 825.	1.2	7
249	FtMYB6, a Light-Induced SG7 R2R3-MYB Transcription Factor, Promotes Flavonol Biosynthesis in Tartary Buckwheat ( <i>Fagopyrum tataricum</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13685-13696.	2.4	33
250	A P3A-Type ATPase and an R2R3-MYB Transcription Factor Are Involved in Vacuolar Acidification and Flower Coloration in Soybean. <i>Frontiers in Plant Science</i> , 2020, 11, 580085.	1.7	8
251	MdMYB6 regulates anthocyanin formation in apple both through direct inhibition of the biosynthesis pathway and through substrate removal. <i>Horticulture Research</i> , 2020, 7, 72.	2.9	61
252	A UV-B-responsive glycosyltransferase, OsUGT706C2, modulates flavonoid metabolism in rice. <i>Science China Life Sciences</i> , 2020, 63, 1037-1052.	2.3	30
253	Comprehensive transcriptome analysis and tissue-specific profiling of gene expression in jute ( <i>Corchorus olitorius</i> L.). <i>Industrial Crops and Products</i> , 2020, 146, 112101.	2.5	13
254	Isolation and characterization of R2R3-MYB and basic helix-loop-helix (bHLH) transcription factors involved in anthocyanin biosynthesis in tulip tepals. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	4
255	Transcriptional responses for biosynthesis of flavor volatiles in methyl jasmonate-treated <i>Chrysanthemum indicum</i> var. <i>aromaticum</i> leaves. <i>Industrial Crops and Products</i> , 2020, 147, 112254.	2.5	24
256	Parallel Transcriptional Regulation of Artemisinin and Flavonoid Biosynthesis. <i>Trends in Plant Science</i> , 2020, 25, 466-476.	4.3	52
257	Metabolic Profiling and Transcriptome Analysis of Mulberry Leaves Provide Insights into Flavonoid Biosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1494-1504.	2.4	45

#	ARTICLE	IF	CITATIONS
258	Light-Controlled Fruit Pigmentation and Flavor Volatiles in Tomato and Bell Pepper. <i>Antioxidants</i> , 2020, 9, 14.	2.2	15
259	DNA methylation of LDOX gene contributes to the floral colour variegation in peach. <i>Journal of Plant Physiology</i> , 2020, 246-247, 153116.	1.6	17
260	Nucleotide variations of 9-cis-epoxycarotenoid dioxygenase 2 (NCED2) and pericarp coloration genes (Rc and Rd) from upland rice varieties. <i>3 Biotech</i> , 2020, 10, 105.	1.1	4
261	Red Chinese Cabbage Transcriptome Analysis Reveals Structural Genes and Multiple Transcription Factors Regulating Reddish Purple Color. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2901.	1.8	21
262	OsRE1 interacts with OsRIP1 to regulate rice heading date by finely modulating <i>Ehd1</i> expression. <i>Plant Biotechnology Journal</i> , 2021, 19, 300-310.	4.1	25
263	Genome-wide identification and analysis of NPR family genes in <i>Brassica juncea</i> var. <i>tumida</i> . <i>Gene</i> , 2021, 769, 145210.	1.0	9
264	Genetics and Genomics of Fruit Color Development in Apple. <i>Compendium of Plant Genomes</i> , 2021, , 271-295.	0.3	2
265	MdMYB114 regulates anthocyanin biosynthesis and functions downstream of MdbZIP4-like in apple fruit. <i>Journal of Plant Physiology</i> , 2021, 257, 153353.	1.6	31
266	NAC and MYB Families and Lignin Biosynthesis-Related Members Identification and Expression Analysis in <i>Melilotus albus</i> . <i>Plants</i> , 2021, 10, 303.	1.6	19
267	Correlation of saponarin content with biosynthesis-related gene expression in hulled and hullless barley ( <i>Hordeum vulgare</i> L.) cultivars. <i>Journal of Plant Biotechnology</i> , 2021, 48, 12-17.	0.1	2
268	A combinatorial action of GmMYB176 and GmbZIP5 controls isoflavonoid biosynthesis in soybean ( <i>Glycine max</i> ). <i>Communications Biology</i> , 2021, 4, 356.	2.0	29
269	Insights of Phenolic Pathway in Fruits: Transcriptional and Metabolic Profiling in Apricot ( <i>Prunus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.8	8
270	An effector reporter system to study cellular signal transduction in strawberry fruit ( <i>Fragaria</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 20	2.9	4
271	The R2R3-MYB transcription factor MtMYB134 orchestrates flavonol biosynthesis in <i>Medicago truncatula</i> . <i>Plant Molecular Biology</i> , 2021, 106, 157-172.	2.0	37
272	Research progress of fruit color development in apple ( <i>Malus domestica</i> Borkh.). <i>Plant Physiology and Biochemistry</i> , 2021, 162, 267-279.	2.8	50
273	Genomic regions associated with heat stress tolerance in tropical maize ( <i>Zea mays</i> L.). <i>Scientific Reports</i> , 2021, 11, 13730.	1.6	22
274	Transcriptomic analyses of cacao flavonoids produced in photobioreactors. <i>BMC Genomics</i> , 2021, 22, 551.	1.2	3
276	Regulatory Mechanisms of Anthocyanin Biosynthesis in Apple and Pear. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8441.	1.8	59



#	ARTICLE	IF	CITATIONS
277	A comprehensive analysis of transcriptome and phenolic compound profiles suggests the role of flavonoids in cotyledon greening in <i>Catharanthus roseus</i> seedling. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 185-197.	2.8	7
278	The Plant Genome: Decoding the Transcriptional Hardwiring. , 0, , 196-228.		4
279	Strain specificity in the Myricaceae - Frankia symbiosis is correlated to plant root phenolics. <i>Functional Plant Biology</i> , 2011, 38, 682.	1.1	21
280	Genome-Wide Identification and Characterization of R2R3MYB Family in <i>Cucumis sativus</i> . <i>PLoS ONE</i> , 2012, 7, e47576.	1.1	59
281	Genome-Wide Analysis of Citrus R2R3MYB Genes and Their Spatiotemporal Expression under Stresses and Hormone Treatments. <i>PLoS ONE</i> , 2014, 9, e113971.	1.1	20
282	The Transcriptional Response to DNA-Double-Strand Breaks in <i>Physcomitrella patens</i> . <i>PLoS ONE</i> , 2016, 11, e0161204.	1.1	29
283	Genomic Regions Associated with Root Traits under Drought Stress in Tropical Maize ( <i>Zea mays</i> L.). <i>PLoS ONE</i> , 2016, 11, e0164340.	1.1	51
284	Gene Expression in the Star Mutation of <i>Petunia ×hybrida</i> Vilm. <i>Journal of the American Society for Horticultural Science</i> , 2007, 132, 680-690.	0.5	10
285	Epistatic Interactions Influencing Anthocyanin Gene Expression in <i>Capsicum annum</i> . <i>Journal of the American Society for Horticultural Science</i> , 2007, 132, 824-829.	0.5	32
286	Bunch Shading During Different Developmental Stages Affects the Phenolic Biosynthesis in Berry Skins of Cabernet Sauvignon™ Grapes. <i>Journal of the American Society for Horticultural Science</i> , 2008, 133, 743-753.	0.5	70
287	Anthocyanin Regulatory/Structural Gene Expression in <i>Phalaenopsis</i> . <i>Journal of the American Society for Horticultural Science</i> , 2009, 134, 88-96.	0.5	39
288	Biosynthesis and Metabolic Engineering of Anthocyanins in <i>Arabidopsis thaliana</i> . <i>Recent Patents on Biotechnology</i> , 2014, 8, 47-60.	0.4	200
290	Identification of a Novel cis-Regulatory Element Region Responded to UV-B in Rice WRKY89 Promoter*. <i>Progress in Biochemistry and Biophysics</i> , 2010, 37, 671-677.	0.3	4
291	Homeobox leucine zipper proteins and cotton improvement. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2013, 04, 15-20.	0.3	5
292	An in silico Analysis of Upstream Regulatory Modules (URMs) of Tapetum Specific Genes to Identify Regulatory cis-Elements and Transcription Factors. <i>American Journal of Molecular Biology</i> , 2018, 08, 13-25.	0.1	1
293	Saponarin content and biosynthesis-related gene expression in young barley ( <i>Hordeum vulgare</i> ) Tj ETQq1 1 0.784314 ggBT /Over	0,1	
294	Phylogeographic and genetic variation in <i>Sorbus</i> , a traditional antidiabetic medicine—adaptation in action in both a plant and a discipline. <i>PeerJ</i> , 2016, 4, e2645.	0.9	7
295	Characterization of the Brassica napus Flavonol Synthase Gene Family Reveals Bifunctional Flavonol Synthases. <i>Frontiers in Plant Science</i> , 2021, 12, 733762.	1.7	24

#	ARTICLE	IF	CITATIONS
296	Characterization of the fertilization independent endosperm (FIE) gene from soybean. African Journal of Biotechnology, 2012, 11, .	0.3	0
298	Analysis of SI-Related BoGAPDH Family Genes and Response of BoGAPC to SI Signal in Brassica oleracea L.. Genes, 2021, 12, 1719.	1.0	3
299	Promoter PPSP1â€“5-BnPSP-1 From Ramie (Boehmeria nivea L. Gaud.) Can Drive Phloem-Specific GUS Expression in Arabidopsis thaliana. Frontiers in Genetics, 2020, 11, 553265.	1.1	1
301	The R2R3 Transcription Factor CsMYB59 Regulates Polyphenol Oxidase Gene CsPPO1 in Tea Plants (Camellia sinensis). Frontiers in Plant Science, 2021, 12, 739951.	1.7	10
303	Identification and Characterization of a Mutant PV-PUR Gene Responsible for the Purple Phenotype of Snap Bean (Phaseolus vulgaris L.). International Journal of Molecular Sciences, 2022, 23, 1265.	1.8	4
304	Identification and functional characterization of the CVOMTs and EOMTs genes promoters from Ocimum basilicum L.. Plant Cell, Tissue and Organ Culture, 2022, 148, 387-402.	1.2	1
305	Cloning and functional analysis of the promoter of allergen gene Ara h 1 from peanut. Oil Crop Science, 2022, , .	0.9	0
306	Comparative transcriptomics analysis of contrasting varieties of <i>Eucalyptus camaldulensis</i> reveals wind resistance genes. PeerJ, 2022, 10, e12954.	0.9	1
307	Modulated Light Dependence of Growth, Flowering, and the Accumulation of Secondary Metabolites in Chilli. Frontiers in Plant Science, 2022, 13, 801656.	1.7	7
308	Systematic Analysis and Biochemical Characterization of the Caffeoyl Shikimate Esterase Gene Family in Poplar. International Journal of Molecular Sciences, 2021, 22, 13366.	1.8	7
309	Isolation and functional analysis of <i>OsAOS1</i> Âpromoter for resistance to <i>Nilaparvata lugens</i> StÃ¶l infestation in rice. Journal of Cellular Physiology, 2022, 237, 1833-1844.	2.0	1
310	Leaf necrosis resulting from downregulation of poplar glycosyltransferase<i>UGT72A2</i>. Tree Physiology, 2022, 42, 1084-1099.	1.4	6
311	Transcriptome and metabolome changes in Chinese cedar during cold acclimation reveal the roles of flavonoids in needle discoloration and cold resistance. Tree Physiology, 2022, 42, 1858-1875.	1.4	7
334	Analysis of Germin-like protein genes family in Vitis vinifera (VvGLPs) using various in silico approaches. Brazilian Journal of Biology, 2022, 84, e256732.	0.4	5
336	Interplay between <sc>R2R3 MYB</sc>â€“type activators and repressors regulates proanthocyanidin biosynthesis in banana (<i>Musa acuminata</i>). New Phytologist, 2022, 236, 1108-1127.	3.5	14
337	Characterization of anthocyanin and nonanthocyanidin phenolic compounds and/or their biosynthesis pathway in red-fleshed â€“Kanghongâ€™ grape berries and their wine. Food Research International, 2022, 161, 111789.	2.9	4
339	Research progress on the MYB transcription factors in tropical fruit. , 2022, 1, 1-15.		0
340	The R2R3-MYB gene family in Cicer arietinum: genome-wide identification and expression analysis leads to functional characterization of proanthocyanidin biosynthesis regulators in the seed coat. Planta, 2022, 256, .	1.6	7

#	ARTICLE	IF	CITATIONS
342	Identification of Stigma Specific Expression Fragment in the Promoter of a Soybean Chitinase Class I Gene. <i>Molecular Biology</i> , 0, , .	0.4	0
343	Tyrosine promotes anthocyanin biosynthesis in pansy (&lt;i>Viola Å— wittrockiana&lt;/i>) by inducing ABA synthesis. , 2022, 1, 1-12.		0
344	UV-B induces the expression of flavonoid biosynthetic pathways in blueberry ( <i>Vaccinium corymbosum</i> ) calli. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	9
345	SbMYB3 transcription factor promotes root-specific flavone biosynthesis in <i>Scutellaria baicalensis</i>. <i>Horticulture Research</i> , 2023, 10, .	2.9	7
347	Integrative analysis of metabolome and transcriptome reveals a dynamic regulatory network of potato tuber pigmentation. <i>IScience</i> , 2023, 26, 105903.	1.9	3
348	MYB pathways that regulate UV-B-induced anthocyanin biosynthesis in blueberry ( <i>Vaccinium</i> ) Tj ETQq1 1 0.784314 rrgBT /Overlock 10	1.7	7
349	Genome-wide identification and characterization of parthenocarpic fruit set-related gene homologs in cucumber ( <i>Cucumis sativus</i> L.). <i>Scientific Reports</i> , 2023, 13, .	1.6	5
350	Cloning and functional analysis of the PLkF3H2 promoter in <i>Larix kaempferi</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2023, 154, 481-491.	1.2	3
351	AtBBX29 integrates photomorphogenesis and defense responses in Arabidopsis. <i>Photochemical and Photobiological Sciences</i> , 2023, 22, 1475-1489.	1.6	3
352	Genome-Wide Identification and Abiotic Stress Response Analysis of PP2C Gene Family in Woodland and Pineapple Strawberries. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4049.	1.8	6
353	Comparative Transcriptome Analysis Identified Potential Genes and Transcription Factors for Flower Coloration in Kenaf ( <i>Hibiscus cannabinus</i> L.). <i>Agronomy</i> , 2023, 13, 715.	1.3	1
354	Fine mapping and characterisation of a PV-PUR mediating anthocyanin synthesis in snap bean ( <i>Phaseolus vulgaris</i> L.). <i>Molecular Breeding</i> , 2023, 43, .	1.0	0
355	Apples: Role of Nutraceutical Compounds. , 2023, , 1-56.		0
372	Apples: Role of Nutraceutical Compounds. , 2023, , 843-897.		0