

Nan Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,596
citations

23
h-index

37
g-index

91
ext. papers

2,560
ext. citations

4.6
avg, IF

4.74
L-index

#	Paper	IF	Citations
87	Genome re-sequencing reveals the history of apple and supports a two-stage model for fruit enlargement. <i>Nature Communications</i> , 2017 , 8, 249	17.4	160
86	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	6.9	124
85	The molecular mechanism underlying anthocyanin metabolism in apple using the MdMYB16 and MdbHLH33 genes. <i>Plant Molecular Biology</i> , 2017 , 94, 149-165	4.6	78
84	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	6.9	64
83	The B-box zinc finger protein MdBBX20 integrates anthocyanin accumulation in response to ultraviolet radiation and low temperature. <i>Plant, Cell and Environment</i> , 2019 , 42, 2090-2104	8.4	59
82	The ethylene response factor MdERF1B regulates anthocyanin and proanthocyanidin biosynthesis in apple. <i>Plant Molecular Biology</i> , 2018 , 98, 205-218	4.6	53
81	Auxin regulates anthocyanin biosynthesis through the Aux/IAA-ARF signaling pathway in apple. <i>Horticulture Research</i> , 2018 , 5, 59	7.7	52
80	MdGSTF6, activated by MdMYB1, plays an essential role in anthocyanin accumulation in apple. <i>Horticulture Research</i> , 2019 , 6, 40	7.7	50
79	Transcriptomic Analysis of Red-Fleshed Apples Reveals the Novel Role of MdWRKY11 in Flavonoid and Anthocyanin Biosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7076-7086	5.7	49
78	Comparison of MdMYB1 sequences and expression of anthocyanin biosynthetic and regulatory genes between <i>Malus domestica</i> Borkh. cultivar Balls and its blushed sport. <i>Euphytica</i> , 2012 , 185, 157-170	2.1	40
77	Genome-wide identification and expression analysis of the B-box gene family in the Apple (<i>Malus domestica</i> Borkh.) genome. <i>Molecular Genetics and Genomics</i> , 2018 , 293, 303-315	3.1	39
76	Apple NAC transcription factor MdNAC52 regulates biosynthesis of anthocyanin and proanthocyanidin through MdMYB9 and MdMYB11. <i>Plant Science</i> , 2019 , 289, 110286	5.3	38
75	Synergistic effects of light and temperature on anthocyanin biosynthesis in callus cultures of red-fleshed apple (<i>Malus sieversii</i> f. <i>niedzwetzkyana</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2016 , 127, 217-227	2.7	35
74	: the origin, flavonoid synthesis mechanism, and breeding of red-skinned and red-fleshed apples. <i>Horticulture Research</i> , 2018 , 5, 70	7.7	35
73	Identification of self-incompatibility (S-) genotypes of Chinese apricot cultivars. <i>Euphytica</i> , 2008 , 160, 241-248	2.1	31
72	HEAT SHOCK FACTOR A8a Modulates Flavonoid Synthesis and Drought Tolerance. <i>Plant Physiology</i> , 2020 , 184, 1273-1290	6.6	29
71	Overexpression of a repressor MdMYB15L negatively regulates anthocyanin and cold tolerance in red-fleshed callus. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 500, 405-410	3.4	27

70	The R2R3-MYB transcription factor MdMYB24-like is involved in methyl jasmonate-induced anthocyanin biosynthesis in apple. <i>Plant Physiology and Biochemistry</i> , 2019 , 139, 273-282	5.4	26
69	Transcriptome profiling reveals auxin suppressed anthocyanin biosynthesis in red-fleshed apple callus (<i>Malus sieversii</i> f. <i>niedzwetzkyana</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 123, 389-404	2.7	26
68	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	7.7	26
67	PyMYB10 and PyMYB10.1 Interact with bHLH to Enhance Anthocyanin Accumulation in Pears. <i>PLoS ONE</i> , 2015 , 10, e0142112	3.7	26
66	MdCOL4 Interaction Mediates Crosstalk Between UV-B and High Temperature to Control Fruit Coloration in Apple. <i>Plant and Cell Physiology</i> , 2019 , 60, 1055-1066	4.9	25
65	MdWRKY11 Participates in Anthocyanin Accumulation in Red-Fleshed Apples by Affecting MYB Transcription Factors and the Photoresponse Factor MdHY5. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 8783-8793	5.7	25
64	Effects of methyl jasmonate and abscisic acid on anthocyanin biosynthesis in callus cultures of red-fleshed apple (<i>Malus sieversii</i> f. <i>niedzwetzkyana</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2017 , 130, 227-237	2.7	23
63	Methylome and transcriptome analyses of apple fruit somatic mutations reveal the difference of red phenotype. <i>BMC Genomics</i> , 2019 , 20, 117	4.5	23
62	Activation of disease resistance against by downregulating the expression of in apple. <i>Horticulture Research</i> , 2018 , 5, 24	7.7	22
61	Comparative Transcriptomes Analysis of Red- and White-Fleshed Apples in an F1 Population of <i>Malus sieversii</i> f. <i>niedzwetzkyana</i> Crossed with <i>M. domestica</i> 'Fuji'. <i>PLoS ONE</i> , 2015 , 10, e0133468	3.7	22
60	How to Plant Apple Trees to Reduce Replant Disease in Apple Orchard: A Study on the Phenolic Acid of the Replanted Apple Orchard. <i>PLoS ONE</i> , 2016 , 11, e0167347	3.7	22
59	Analysis of the Xyloglucan Endotransglucosylase/Hydrolase Gene Family during Apple Fruit Ripening and Softening. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 429-434	5.7	19
58	Evolution analysis of Dof transcription factor family and their expression in response to multiple abiotic stresses in <i>Malus domestica</i> . <i>Gene</i> , 2018 , 639, 137-148	3.8	19
57	Transcriptomic and metabolomic analysis provides insights into anthocyanin and procyanidin accumulation in pear. <i>BMC Plant Biology</i> , 2020 , 20, 129	5.3	19
56	Interspecific hybridization of <i>Prunus persica</i> with <i>P. armeniaca</i> and <i>P. salicina</i> using embryo rescue. <i>Plant Cell, Tissue and Organ Culture</i> , 2007 , 88, 289-299	2.7	18
55	Methyl jasmonate enhances apple cold tolerance through the JAZMYC2 pathway. <i>Plant Cell, Tissue and Organ Culture</i> , 2019 , 136, 75-84	2.7	16
54	Methylation of MdMYB1 locus mediated by RdDM pathway regulates anthocyanin biosynthesis in apple. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1736-1748	11.6	15
53	Genome-wide identification and characterization of the apple (<i>Malus domestica</i>) HECT ubiquitin-protein ligase family and expression analysis of their responsiveness to abiotic stresses. <i>Molecular Genetics and Genomics</i> , 2016 , 291, 635-46	3.1	15

52	Ultraviolet B-induced MdWRKY72 expression promotes anthocyanin synthesis in apple. <i>Plant Science</i> , 2020 , 292, 110377	5.3	13
51	MdMYB4 enhances apple callus salt tolerance by increasing MdNHX1 expression levels. <i>Plant Cell, Tissue and Organ Culture</i> , 2017 , 131, 283-293	2.7	13
50	Ethylene increases the cold tolerance of apple via the MdERF1B-MdCibHLH1 regulatory module. <i>Plant Journal</i> , 2021 , 106, 379-393	6.9	13
49	MdMYBDL1 employed by MdHY5 increases anthocyanin accumulation via repression of MdMYB16/308 in apple. <i>Plant Science</i> , 2019 , 283, 32-40	5.3	13
48	Identification of Differentially Expressed Genes Associated with Apple Fruit Ripening and Softening by Suppression Subtractive Hybridization. <i>PLoS ONE</i> , 2015 , 10, e0146061	3.7	12
47	MdMYBL2 helps regulate cytokinin-induced anthocyanin biosynthesis in red-fleshed apple (<i>Malus sieversii</i> f. <i>niedzwetzkyana</i>) callus. <i>Functional Plant Biology</i> , 2019 , 46, 187-196	2.7	12
46	Inheritance and Correlation of Self-Compatibility and other Yield Components in the Apricot Hybrid F1 Populations. <i>Euphytica</i> , 2006 , 150, 69-74	2.1	11
45	Transcriptional Profiles Underlying the Effects of Methyl Jasmonate on Apple Ripening. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 271-280	4.7	10
44	A feedback loop involving MdMYB108L and MdHY5 controls apple cold tolerance. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 512, 381-386	3.4	10
43	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	2.7	10
42	Nitrogen Affects Anthocyanin Biosynthesis by Regulating MdLOB52 Downstream of MdARF19 in Callus Cultures of Red-Fleshed Apple (<i>Malus sieversii</i> f. <i>niedzwetzkyana</i>). <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 719-729	4.7	9
41	Overexpression of the transcription factor MdbHLH33 increases cold tolerance of transgenic apple callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2018 , 134, 131-140	2.7	9
40	Investigating the effect of methyl jasmonate and melatonin on resistance of <i>Malus crabapple</i> 'Hong Jiu' to ozone stress. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 27761-27768	5.1	8
39	The MdHY5-MdWRKY41-MdMYB transcription factor cascade regulates the anthocyanin and proanthocyanidin biosynthesis in red-fleshed apple. <i>Plant Science</i> , 2021 , 306, 110848	5.3	8
38	Construction of a Genetic Linkage Map and QTL Analysis of Fruit-related Traits in an F1 Red Fuji x Hongrou Apple Hybrid. <i>Open Life Sciences</i> , 2016 , 11, 487-497	1.2	8
37	MdMYB114 regulates anthocyanin biosynthesis and functions downstream of MdbZIP4-like in apple fruit. <i>Journal of Plant Physiology</i> , 2021 , 257, 153353	3.6	8
36	Role of BrSDG8 on bolting in Chinese cabbage (<i>Brassica rapa</i>). <i>Theoretical and Applied Genetics</i> , 2020 , 133, 2937-2948	6	7
35	Research progress of fruit color development in apple (<i>Malus domestica</i> Borkh.). <i>Plant Physiology and Biochemistry</i> , 2021 , 162, 267-279	5.4	7

34	Isolation, Identification, and Antibacterial Mechanisms of QSB-6 and Its Effect on Plant Roots. <i>Frontiers in Microbiology</i> , 2021 , 12, 746799	5.7	7
33	Three nonfunctional S-haplotypes in self-compatible tetraploid Chinese cherry (<i>Prunus pseudocerasus</i> L. cv. Taixiaohongying). <i>Euphytica</i> , 2010 , 174, 143-151	2.1	6
32	The vacuolar membrane sucrose transporter MdSWEET16 plays essential roles in the cold tolerance of apple. <i>Plant Cell, Tissue and Organ Culture</i> , 2020 , 140, 129-142	2.7	6
31	The Endophytic Strain 6S-2: An Efficient Biocontrol Agent against Apple Replant Disease in China and a Potential Plant-Growth-Promoting Fungus.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	5
30	How does Malus crabapple resist ozone? Transcriptomics and metabolomics analyses. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 201, 110832	7	4
29	Identification of two recessive etiolation genes (py1, py2) in pakchoi (<i>Brassica rapa</i> L. ssp. chinensis). <i>BMC Plant Biology</i> , 2020 , 20, 68	5.3	4
28	Interaction between MdMYB63 and MdERF106 enhances salt tolerance in apple by mediating Na/H transport. <i>Plant Physiology and Biochemistry</i> , 2020 , 155, 464-471	5.4	4
27	Comprehensive Analysis of the Influence of Fulvic Acid from Paper Mill Effluent on Soil Properties, Soil Microbiome, and Growth of Rehd. Seedlings under Replant Conditions. <i>ACS Omega</i> , 2021 , 6, 24027-24038	3.8	3
26	The complete mitochondrial genome sequence of Malus hupehensis var. pinyiensis. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2905-6	1.3	2
25	Effects of 6S-2 on Apple Tree Growth and Replanted Soil Microbial Environment.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8,	5.6	2
24	Development of potent promoters that drive the efficient expression of genes in apple protoplasts. <i>Horticulture Research</i> , 2021 , 8, 211	7.7	2
23	Analyses of the photosynthetic characteristics, chloroplast ultrastructure, and transcriptome of apple (<i>Malus domestica</i>) grown under red and blue lights. <i>BMC Plant Biology</i> , 2021 , 21, 483	5.3	2
22	Amygdalin and Benzoic Acid on the Influences of the Soil Environment and Growth of Rehd. Seedlings. <i>ACS Omega</i> , 2021 , 6, 12522-12529	3.9	2
21	Brassinolide inhibits flavonoid biosynthesis and red-flesh coloration via the MdBEH2.2-MdMYB60 complex in apple. <i>Journal of Experimental Botany</i> , 2021 , 72, 6382-6399	7	2
20	Molecular characterization and expression analysis of the critical floral gene MdAGL24-like in red-fleshed apple. <i>Plant Science</i> , 2018 , 276, 189-198	5.3	2
19	Analysis of the postharvest storage characteristics of the new red-fleshed apple cultivar 'meihong'. <i>Food Chemistry</i> , 2021 , 354, 129470	8.5	2
18	An emerging chemical fumigant: two-sided effects of dazomet on soil microbial environment and plant response. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
17	Characterization of complete chloroplast genome of L. <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2357-2358	0.5	1

16	Members of B-box Protein Family from <i>Malus domestica</i> Enhanced Abiotic Stresses Tolerance in <i>Escherichia coli</i> . <i>Molecular Biotechnology</i> , 2019 , 61, 421-426	3	1
15	Effects of <i>Bacillus amyloliquefaciens</i> QSB-6 on the Growth of Replanted Apple Trees and the Soil Microbial Environment. <i>Horticulturae</i> , 2022 , 8, 83	2.5	1
14	Transcription factor McWRKY71 induced by ozone stress regulates anthocyanin and proanthocyanidin biosynthesis in <i>Malus crabapple</i> .. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 232, 113274	7	1
13	Antioxidant and hepatoprotective effects against acute CCl ₄ -induced liver damage in mice from red-fleshed apple flesh flavonoid extract. <i>Journal of Food Science</i> , 2020 , 85, 3618-3627	3.4	1
12	Genetics and Genomics of Fruit Color Development in Apple. <i>Compendium of Plant Genomes</i> , 2021 , 271-298		1
11	MdbHLH106-like transcription factor enhances apple salt tolerance by upregulating MdNHX1 expression. <i>Plant Cell, Tissue and Organ Culture</i> , 2021 , 145, 333-345	2.7	1
10	Effect of Emerging Soil Chemical Amendments on the Replant Soil Environment and Growth of Rehd. Seedlings. <i>ACS Omega</i> , 2021 , 6, 20445-20454	3.9	1
9	Control of Apple Replant Disease Using Mixed Cropping with <i>Brassica juncea</i> or <i>Allium fistulosum</i> . <i>Agriculture (Switzerland)</i> , 2022 , 12, 68	3	0
8	MdWRKY74 is involved in resistance response to apple replant disease. <i>Plant Growth Regulation</i> , 1	3.2	0
7	Differential effects of phenolic extracts from red-fleshed apple peels and flesh induced G1 cell cycle arrest and apoptosis in human breast cancer MDA-MB-231 cells. <i>Journal of Food Science</i> , 2021 , 86, 4209-4222	3.4	0
6	The Phlorizin-Degrading XNRB-3 Mediates Soil Microorganisms to Alleviate Apple Replant Disease.. <i>Frontiers in Microbiology</i> , 2022 , 13, 839484	5.7	0
5	MdBAK1 overexpression in apple enhanced resistance to replant disease as well as to the causative pathogen <i>Fusarium oxysporum</i> .. <i>Plant Physiology and Biochemistry</i> , 2022 , 179, 144-157	5.4	0
4	Identification of a biomass unaffected pale green mutant gene in Chinese cabbage (<i>Brassica rapa</i> L. ssp. <i>pekinensis</i>).. <i>Scientific Reports</i> , 2022 , 12, 7731	4.9	0
3	The complete chloroplast genome of apple rootstock 'M9'. <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2187-2188	0.5	
2	Characterization of the complete chloroplast genome of var. <i>xiaojinensis</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2487-2488	0.5	
1	Quicklime and Superphosphate Alleviating Apple Replant Disease by Improving Acidified Soil.. <i>ACS Omega</i> , 2022 , 7, 7920-7930	3.9	