Xiao-Fei Wang

List of Publications by Citations

57 papers	1,549 citations	21 h-index	39 g-index
62 ext. papers	2,540 ext. citations	6.1 avg, IF	5.27 L-index

#	Paper	IF	Citations
57	The apple WD40 protein MdTTG1 interacts with bHLH but not MYB proteins to regulate anthocyanin accumulation. *Journal of Plant Physiology*, **2012**, 169, 710-7	3.6	127
56	The bZIP transcription factor MdHY5 regulates anthocyanin accumulation and nitrate assimilation in apple. *Horticulture Research*, **2017**, 4, 17023	7.7	117
55	Apple bZIP transcription factor MdbZIP44 regulates abscisic acid-promoted anthocyanin accumulation. *Plant, Cell and Environment*, **2018**, 41, 2678-2692	8.4	91
54	EIN3-LIKE1, MYB1, and ETHYLENE RESPONSE FACTOR3 Act in a Regulatory Loop That Synergistically Modulates Ethylene Biosynthesis and Anthocyanin Accumulation. *Plant Physiology*, **2018**, 178, 808-823	6.6	90
53	R2R3-MYB transcription factor MdMYB23 is involved in the cold tolerance and proanthocyanidin accumulation in apple. *Plant Journal*, **2018**, 96, 562-577	6.9	88
52	An apple MYB transcription factor regulates cold tolerance and anthocyanin accumulation and undergoes MIEL1-mediated degradation. *Plant Biotechnology Journal*, **2020**, 18, 337-353	11.6	75
51	MdSnRK1.1 interacts with MdJAZ18 to regulate sucrose-induced anthocyanin and proanthocyanidin accumulation in apple. *Journal of Experimental Botany*, **2017**, 68, 2977-2990	7	72
50	The molecular cloning and functional characterization of MdMYC2, a bHLH transcription factor in apple. *Plant Physiology and Biochemistry*, **2016**, 108, 24-31	5.4	69
49	The ERF transcription factor MdERF38 promotes drought stress-induced anthocyanin biosynthesis in apple. *Plant Journal*, **2020**, 101, 573-589	6.9	65
48	Ubiquitination-Related MdBT Scaffold Proteins Target a bHLH Transcription Factor for Iron Homeostasis. *Plant Physiology*, **2016**, 172, 1973-1988	6.6	64
47	MdWRKY40 promotes wounding-induced anthocyanin biosynthesis in association with MdMYB1 and undergoes MdBT2-mediated degradation. *New Phytologist*, **2019**, 224, 380-395	9.8	59
46	The Nitrate-Responsive Protein MdBT2 Regulates Anthocyanin Biosynthesis by Interacting with the MdMYB1 Transcription Factor. *Plant Physiology*, **2018**, 178, 890-906	6.6	58
45	MdBBX22 regulates UV-B-induced anthocyanin biosynthesis through regulating the function of MdHY5 and is targeted by MdBT2 for 26S proteasome-mediated degradation. *Plant Biotechnology Journal*, **2019**, 17, 2231-2233	11.6	47
44	An apple NAC transcription factor negatively regulates cold tolerance via CBF-dependent pathway. *Journal of Plant Physiology*, **2018**, 221, 74-80	3.6	44
43	An apple NAC transcription factor enhances salt stress tolerance by modulating the ethylene response. *Physiologia Plantarum*, **2018**, 164, 279-289	4.6	41
42	MdbHLH93, an apple activator regulating leaf senescence, is regulated by ABA and MdBT2 in antagonistic ways. *New Phytologist*, **2019**, 222, 735-751	9.8	39
41	MdHY5 positively regulates cold tolerance via CBF-dependent and CBF-independent pathways in apple. *Journal of Plant Physiology*, **2017**, 218, 275-281	3.6	35

40	Dynamic regulation of anthocyanin biosynthesis at different light intensities by the BT2-TCP46-MYB1 module in apple. *Journal of Experimental Botany*, **2020**, 71, 3094-3109	7	35
39	Apple RING E3 ligase MdMIEL1 inhibits anthocyanin accumulation by ubiquitinating and degrading MdMYB1 protein. *Plant and Cell Physiology*, **2017**, 58, 1953-1962	4.9	29
38	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	4.9	27
37	Apple F-Box Protein MdMAX2 Regulates Plant Photomorphogenesis and Stress Response. *Frontiers in Plant Science*, **2016**, 7, 1685	6.2	22
36	Cloning and elucidation of the functional role of apple MdLBD13 in anthocyanin biosynthesis and nitrate assimilation. *Plant Cell, Tissue and Organ Culture*, **2017**, 130, 47-59	2.7	21
35	BTB protein MdBT2 inhibits anthocyanin and proanthocyanidin biosynthesis by triggering MdMYB9 degradation in apple. *Tree Physiology*, **2018**, 38, 1578-1587	4.2	19
34	Apple B-box protein BBX37 regulates jasmonic acid mediated cold tolerance through the JAZ-BBX37-ICE1-CBF pathway and undergoes MIEL1-mediated ubiquitination and degradation. *New Phytologist*, **2021**, 229, 2707-2729	9.8	18
33	MdMYB58 Modulates Fe Homeostasis by Directly Binding to the MdMATE43 Promoter in Plants. *Plant and Cell Physiology*, **2018**, 59, 2476-2489	4.9	16
32	Apple MdERF4 negatively regulates salt tolerance by inhibiting MdERF3 transcription. *Plant Science* , **2018**, 276, 181-188	5.3	15
31	ABI5 regulates ABA-induced anthocyanin biosynthesis by modulating the MYB1-bHLH3 complex in apple. *Journal of Experimental Botany*, **2021**, 72, 1460-1472	7	14
30	Cloning and functional identification of a strigolactone receptor gene MdD14 in apple. *Plant Cell, Tissue and Organ Culture*, **2020**, 140, 197-208	2.7	13
29	BTB-TAZ Domain Protein MdBT2 Modulates Malate Accumulation and Vacuolar Acidification in Response to Nitrate. *Plant Physiology*, **2020**, 183, 750-764	6.6	12
28	BTB/TAZ protein MdBT2 integrates multiple hormonal and environmental signals to regulate anthocyanin biosynthesis in apple. *Journal of Integrative Plant Biology*, **2020**, 62, 1643-1646	8.3	12
27	Ectopic expression of an apple cytochrome P450 gene MdCYPM1 negatively regulates plant photomorphogenesis and stress response in Arabidopsis. *Biochemical and Biophysical Research Communications*, **2017**, 483, 1-9	3.4	11
26	Apple RING finger E3 ubiquitin ligase MdMIEL1 negatively regulates salt and oxidative stresses tolerance **2017**, 60, 137-145		10
25	BTB-BACK-TAZ domain protein MdBT2-mediated MdMYB73 ubiquitination negatively regulates malate accumulation and vacuolar acidification in apple. *Horticulture Research*, **2020**, 7, 151	7.7	10
24	MdABI5 works with its interaction partners to regulate abscisic acid-mediated leaf senescence in apple. *Plant Journal*, **2021**, 105, 1566-1581	6.9	9
23	Functional identification of apple MdMYB2 gene in phosphate-starvation response. *Journal of Plant Physiology*, **2020**, 244, 153089	3.6	8

22	The apple 14-3-3 protein MdGRF11 interacts with the BTB protein MdBT2 to regulate nitrate deficiency-induced anthocyanin accumulation. *Horticulture Research*, **2021**, 8, 22	7.7	8
21	Genome-wide analysis and identification of the SMXL gene family in apple (Malus □domestica). *Tree Genetics and Genomes*, **2018**, 14, 1	2.1	7
20	Phosphate regulates malate/citrate-mediated iron uptake and transport in apple. *Plant Science*, **2020**, 297, 110526	5.3	6
19	Jasmonate induces biosynthesis of anthocyanin and proanthocyanidin in apple by mediating the JAZ1-TRB1-MYB9 complex. *Plant Journal*, **2021**, 106, 1414-1430	6.9	6
18	Apple BT2 protein negatively regulates jasmonic acid-triggered leaf senescence by modulating the stability of MYC2 and JAZ2. *Plant, Cell and Environment*, **2021**, 44, 216-233	8.4	6
17	Apple MdSAT1 encodes a bHLHm1 transcription factor involved in salinity and drought responses. *Planta*, **2021**, 253, 46	4.7	6
16	Low nitrate alleviates iron deficiency by regulating iron homeostasis in apple. *Plant, Cell and Environment*, **2021**, 44, 1869-1884	8.4	5
15	Unraveling a genetic roadmap for improved taste in the domesticated apple. *Molecular Plant*, **2021**, 14, 1454-1471	14.4	4
14	ABI4 interacts with ICE1 and JAZ proteins to regulate abscisic acid signaling-mediated cold tolerance in apple. *Journal of Experimental Botany*, **2021**,	7	4
13	The apple RING-H2 protein MdCIP8 regulates anthocyanin accumulation and hypocotyl elongation by interacting with MdCOP1. *Plant Science*, **2020**, 301, 110665	5.3	3
12	Phytochrome interacting factor MdPIF7 modulates anthocyanin biosynthesis and hypocotyl growth in apple.. *Plant Physiology*, **2022**,	6.6	2
11	NIN-like protein 7 promotes nitrate-mediated lateral root development by activating transcription of TRYPTOPHAN AMINOTRANSFERASE RELATED 2. *Plant Science*, **2021**, 303, 110771	5.3	2
10	Nitrate-inducible MdBT2 acts as a restriction factor to limit apple necrotic mosaic virus genome replication in Malus domestica. *Molecular Plant Pathology*, **2021**,	5.7	1
9	The MdABI5 transcription factor interacts with the MdNRT1.5/MdNPF7.3 promoter to fine-tune nitrate transport from roots to shoots in apple. *Horticulture Research*, **2021**, 8, 236	7.7	1
8	Molecular cloning and functional characterization of the CEP RECEPTOR 1 gene MdCEPR1 of Apple (Malus □domestica). *Plant Cell, Tissue and Organ Culture*, **2020**, 140, 539-550	2.7	1
7	MdBZR1 regulates ABA response by modulating the expression of MdABI5 in apple. *Plant Cell Reports*, **2021**, 40, 1127-1139	5.1	1
6	The apple MdCOP1-interacting protein 1 negatively regulates hypocotyl elongation and anthocyanin biosynthesis. *BMC Plant Biology*, **2021**, 21, 15	5.3	1
5	Interaction of BTB-TAZ protein MdBT2 and DELLA protein MdRGL3a regulates nitrate-mediated plant growth. *Plant Physiology*, **2021**, 186, 750-766	6.6	1

4	Identification and characterization of apple MdNLP7 transcription factor in the nitrate response.. *Plant Science*, **2022**, 316, 111158	5.3	0
3	Overexpression of MdPHR1 Enhanced Tolerance to Phosphorus Deficiency by Increasing MdPAP10 Transcription in Apple (Malus Domestica). *Journal of Plant Growth Regulation*, **2021**, 40, 1753-1763	4.7	0
2	MdARF8: An Auxin Response Factor Involved in Jasmonate Signaling Pathway in Malus domestica. *Journal of Plant Growth Regulation*,1	4.7	0
1	Genome-wide Identification and Comparative Analysis of Genes Encoding AAPs in Apple (Malus domestica Borkh.).. *Gene*, **2022**, 146558	3.8	