Ting Wu

List of Publications by Year
in descending order

76 papers	1,962 citations	236833 25 h-index	315616 38 g-index
77 all docs	77 docs citations	77 times ranked	1549 citing authors

#	Article	IF	Citations
1	Systematic identification of long noncoding <scp>RNA</scp>s expressed during lightâ€induced anthocyanin accumulation in apple fruit. Plant Journal, 2019, 100, 572-590.	2.8	91
2	Induction of root Fe(III) reductase activity and proton extrusion by iron deficiency is mediated by auxin-based systemic signalling in Malus xiaojinensis. Journal of Experimental Botany, 2012, 63, 859-870.	2.4	84
3	A dense SNP genetic map constructed using restriction site-associated DNA sequencing enables detection of QTLs controlling apple fruit quality. BMC Genomics, 2015, 16, 747.	1.2	83
4	The long noncoding RNA MdLNC499 bridges MdWRKY1 and MdERF109 function to regulate early-stage light-induced anthocyanin accumulation in apple fruit. Plant Cell, 2021, 33, 3309-3330.	3.1	80
5	High miR156 Expression Is Required for Auxin-Induced Adventitious Root Formation via MxSPL26 Independent of PINs and ARFs in Malus xiaojinensis. Frontiers in Plant Science, 2017, 8, 1059.	1.7	74
6	Apple fruit acidity is genetically diversified by natural variations in three hierarchical epistatic genes: MdSAUR37, MdPP2CH and MdALMTII. Plant Journal, 2018, 95, 427-443.	2.8	71
7	The MYB transcription factor PbMYB12b positively regulates flavonol biosynthesis in pear fruit. BMC Plant Biology, 2019, 19, 85.	1.6	55
8	Comparison of cadmium-induced iron-deficiency responses and genuine iron-deficiency responses in Malus xiaojinensis. Plant Science, 2011, 181, 269-274.	1.7	52
9	Progress of Apple Rootstock Breeding and Its Use. Horticultural Plant Journal, 2019, 5, 183-191.	2.3	52
10	ERF4 affects fruit firmness through TPL4 by reducing ethylene production. Plant Journal, 2020, 103, 937-950.	2.8	51
11	Carbon Sequestration by Fruit Trees - Chinese Apple Orchards as an Example. PLoS ONE, 2012, 7, e38883.	1.1	48
12	Natural Variation Underlies Differences in ETHYLENE RESPONSE FACTOR17 Activity in Fruit Peel Degreening. Plant Physiology, 2018, 176, 2292-2304.	2.3	47
13	The ethylene response factor AtERF4 negatively regulates the iron deficiency response in Arabidopsis thaliana. PLoS ONE, 2017, 12, e0186580.	1.1	43
14	A long nonâ€coding apple RNA, MSTRG.85814.11, acts as a transcriptional enhancer of SAUR32 and contributes to the Feâ€deficiency response. Plant Journal, 2020, 103, 53-67.	2.8	42
15	Ethylene response factor AtERF72 negatively regulates Arabidopsis thaliana response to iron deficiency. Biochemical and Biophysical Research Communications, 2017, 491, 862-868.	1.0	40
16	MdMYB8 is associated with flavonol biosynthesis via the activation of the MdFLS promoter in the fruits of Malus crabapple. Horticulture Research, 2020, 7, 19.	2.9	39
17	Apple MPK4 mediates phosphorylation of MYB1 to enhance lightâ€induced anthocyanin accumulation. Plant Journal, 2021, 106, 1728-1745.	2.8	38
18	Reactive Oxygen Species Function to Mediate the Fe Deficiency Response in an Fe-Efficient Apple Genotype: An Early Response Mechanism for Enhancing Reactive Oxygen Production. Frontiers in Plant Science, 2016, 7, 1726.	1.7	34

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19	Identification of new regulators through transcriptome analysis that regulate anthocyanin biosynthesis in apple leaves at low temperatures. PLoS ONE, 2019, 14, e0210672.	1.1	34
20	Natural variation in cytokinin maintenance improves salt tolerance in apple rootstocks. Plant, Cell and Environment, 2019, 42, 424-436.	2.8	32
21	The lose of juvenility elicits adventitious rooting recalcitrance in apple rootstocks. Plant Cell, Tissue and Organ Culture, 2014, 119, 51-63.	1.2	31
22	Effects of Melatonin Treatment of Postharvest Pear Fruit on Aromatic Volatile Biosynthesis. Molecules, 2019, 24, 4233.	1.7	31
23	A long noncoding RNA functions in high-light-induced anthocyanin accumulation in apple by activating ethylene synthesis. Plant Physiology, 2022, 189, 66-83.	2.3	31
24	Suppressing Sorbitol Synthesis Substantially Alters the Global Expression Profile of Stress Response Genes in Apple (Malus domestica) Leaves. Plant and Cell Physiology, 2015, 56, 1748-1761.	1.5	29
25	Ethylene response factor MdERF4 and histone deacetylase MdHDA19 suppress apple fruit ripening through histone deacetylation of ripening-related genes. Plant Physiology, 2022, 188, 2166-2181.	2.3	29
26	Methylation effect on IPT5b gene expression determines cytokinin biosynthesis in apple rootstock. Biochemical and Biophysical Research Communications, 2017, 482, 604-609.	1.0	28
27	At<scp>ROP</scp>6 is involved in reactive oxygen species signaling in response to ironâ€deficiency stress in Arabidopsis thaliana. FEBS Letters, 2018, 592, 3446-3459.	1.3	28
28	TATA Box Insertion Provides a Selection Mechanism Underpinning Adaptations to Fe Deficiency. Plant Physiology, 2017, 173, 715-727.	2.3	27
29	Mapping Gene Markers for Apple Fruit Ring Rot Disease Resistance Using a Multi-omics Approach. G3: Genes, Genomes, Genetics, 2019, 9, 1663-1678.	0.8	27
30	PbGA20ox2 Regulates Fruit Set and Induces Parthenocarpy by Enhancing GA4 Content. Frontiers in Plant Science, 2020, 11, 113.	1.7	26
31	Role of MdERF3 and MdERF118 natural variations in apple flesh firmness/crispness retainability and development of QTLâ€based genomicsâ€assisted prediction. Plant Biotechnology Journal, 2021, 19, 1022-1037.	4.1	24
32	Groupâ€C/S1 bZIP heterodimers regulate MdIPT5b to negatively modulate drought tolerance in apple species. Plant Journal, 2021, 107, 399-417.	2.8	24
33	MxMPK6-2-bHLH104 interaction is involved in reactive oxygen species signaling in response to iron deficiency in apple rootstock. Journal of Experimental Botany, 2021, 72, 1919-1932.	2.4	24
34	Ethylene Response Factors MbERF4 and MbERF72 Suppress Iron Uptake in Woody Apple Plants by Modulating Rhizosphere pH. Plant and Cell Physiology, 2020, 61, 699-711.	1.5	23
35	MdPIN1b encodes a putative auxin efflux carrier and has different expression patterns in BC and M9 apple rootstocks. Plant Molecular Biology, 2018, 96, 353-365.	2.0	21
36	An ethylene response factor (MxERF4) functions as a repressor of Fe acquisition in Malus xiaojinensis. Scientific Reports, 2018, 8, 1068.	1.6	21

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37	Genome-Wide Identification and Characterization of ABC Transporters in Nine Rosaceae Species Identifying MdABCG28 as a Possible Cytokinin Transporter linked to Dwarfing. International Journal of Molecular Sciences, 2019, 20, 5783.	1.8	21
38	Morphological and photosynthetic responses differ among eight apple scion-rootstock combinations. Scientia Horticulturae, 2020, 261, 108981.	1.7	21
39	ERF4 affects fruit ripening by acting as a JAZ interactor between ethylene and jasmonic acid hormone signaling pathways. Horticultural Plant Journal, 2022, 8, 689-699.	2.3	21
40	Downregulation of the auxin transporter gene SlPIN8 results in pollen abortion in tomato. Plant Molecular Biology, 2019, 99, 561-573.	2.0	20
41	Jasmonate and Ethylene-Regulated Ethylene Response Factor 22 Promotes Lanolin-Induced Anthocyanin Biosynthesis in â€˜Zaosuâ€™ Pear (Pyrus bretschneideri Rehd.) Fruit. Biomolecules, 2020, 10, 278.	1.8	20
42	Nitric oxide signaling is involved in the response to iron deficiency in the woody plant Malus xiaojinensis. Plant Physiology and Biochemistry, 2016, 109, 515-524.	2.8	19
43	Relatively high acidity is an important breeding objective for fresh juice-specific apple cultivars. Scientia Horticulturae, 2018, 233, 29-37.	1.7	19
44	CPPU may induce gibberellin-independent parthenocarpy associated with PbRR9 in â€˜Dangshansuâ€™ pear. Horticulture Research, 2020, 7, 68.	2.9	19
45	Genomics-assisted prediction of salt and alkali tolerances and functional marker development in apple rootstocks. BMC Genomics, 2020, 21, 550.	1.2	17
46	ROS1 promotes low temperature-induced anthocyanin accumulation in apple by demethylating the promoter of anthocyanin-associated genes. Horticulture Research, 2022, 9, .	2.9	17
47	An HDâ€ZIP transcription factor, MxHB13, integrates auxinâ€regulated and juvenilityâ€determined control of adventitious rooting in Malus xiaojinensis. Plant Journal, 2021, 107, 1663-1680.	2.8	16
48	Phosphorylation of MdERF17 by MdMPK4 promotes apple fruit peel degreening during light/dark transitions. Plant Cell, 2022, 34, 1980-2000.	3.1	16
49	Transcriptomic analysis demonstrates the early responses of local ethylene and redox signaling to low iron stress in Malus xiaojinensis. Tree Genetics and Genomes, 2014, 10, 573-584.	0.6	15
50	The infiltration efficiency of Agrobacterium-mediated transient transformation in four apple cultivars. Scientia Horticulturae, 2019, 256, 108597.	1.7	15
51	REVEILLE Transcription Factors Contribute to the Nighttime Accumulation of Anthocyanins in â€˜Red Zaosuâ€™ (Pyrus Bretschneideri Rehd.) Pear Fruit Skin. International Journal of Molecular Sciences, 2020, 21, 1634.	1.8	14
52	Natural variations in a pectin acetylesterase gene, MdPAE10, contribute to prolonged apple fruit shelf life. Plant Genome, 2021, 14, e20084.	1.6	14
53	Candidate gene prediction via quantitative trait locus analysis of fruit shape index traits in apple. Euphytica, 2015, 206, 381-391.	0.6	12
54	Functional characterisation of MdMYB44 as a negative regulator in the response to cold and salt stress in apple calli. Journal of Horticultural Science and Biotechnology, 2018, 93, 347-355.	0.9	12

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55	Quantitative trait lociâ€based genomicsâ€assisted prediction for the degree of apple fruit cover color. Plant Genome, 2020, 13, e20047.	1.6	12
56	Cloning and Characterization of MxVHA-c, a Vacuolar H+-ATPase Subunit C Gene Related to Fe Efficiency from Malus xiaojinensis. Plant Molecular Biology Reporter, 2012, 30, 1149-1157.	1.0	11
57	Siderophore production in pseudomonas SP. strain <scp>SP3</scp> enhances iron acquisition in apple rootstock. Journal of Applied Microbiology, 2022, , .	1.4	11
58	Development of high-density interspecific genetic maps for the identification of QTLs conferring resistance to Valsa ceratosperma in apple. Euphytica, 2017, 213, 1.	0.6	10
59	Iron deficiency stress can induce MxNRAMP1 protein endocytosis in M. xiaojinensis. Gene, 2015, 567, 225-234.	1.0	9
60	Root growth angle: An important trait that influences the deep rooting of apple rootstocks. Scientia Horticulturae, 2017, 216, 256-263.	1.7	9
61	MdGGT1 Impacts Apple miR156 Precursor Levels via Ontogenetic Changes in Subcellular Glutathione Homeostasis. Frontiers in Plant Science, 2019, 10, 994.	1.7	7
62	Î³-Aminobutyric Acid Participates in the Adult-Phase Adventitious Rooting Recalcitrance. Journal of Plant Growth Regulation, 2021, 40, 1981-1991.	2.8	7
63	Application of genome-wide insertion/deletion markers on genetic structure analysis and identity signature of Malus accessions. BMC Plant Biology, 2020, 20, 540.	1.6	7
64	MdMADS6 Recruits Histone Deacetylase MdHDA19 to Repress the Expression of the Carotenoid Synthesis-Related Gene MdCCD1 during Fruit Ripening. Plants, 2022, 11, 668.	1.6	7
65	Intricate genetic variation networks control the adventitious root growth angle in apple. BMC Genomics, 2020, 21, 852.	1.2	6
66	MxRop1-MxrbohD1 interaction mediates ROS signaling in response to iron deficiency in the woody plant Malus xiaojinensis. Plant Science, 2021, 313, 111071.	1.7	6
67	A bulked segregant analysis tool for out-crossing species (BSATOS) and QTL-based genomics-assisted prediction of complex traits in apple. Journal of Advanced Research, 2022, 42, 149-162.	4.4	6
68	MdNRT2.4 interacts with rhizosphere bacteria to enhance nitrate uptake in apple rootstocks. Journal of Experimental Botany, 0, , .	2.4	6
69	MicroRNA156 (miR156) Negatively Impacts Mg-Protoporphyrin IX (Mg-Proto IX) Biosynthesis and Its Plastid-Nucleus Retrograde Signaling in Apple. Plants, 2020, 9, 653.	1.6	5
70	RBP differentiation contributes to selective transmissibility of OPT3 mRNAs. Plant Physiology, 2021, 187, 1587-1604.	2.3	5
71	Root architecture characteristics of differing size-controlling rootstocks and the influence on the growth of â€˜Red Fujiâ€™ apple trees. Scientia Horticulturae, 2021, 281, 109959.	1.7	4
72	Longâ€distance mobile mRNA CAX3 modulates iron uptake and zinc compartmentalization. EMBO Reports, 2022, 23, e53698.	2.0	4

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73	Candidate genes associated with resistance to Valsa canker identified via quantitative trait loci in apple. Journal of Phytopathology, 2017, 165, 848-857.	0.5	3
74	The Artificial Promoter rMdAG2I Confers Flower-specific Activity in Malus. International Journal of Molecular Sciences, 2019, 20, 4551.	1.8	3
75	Development of a dot blot macroarray and its use in gene expression marker-assisted selection for iron deficiency tolerant apple rootstocks. Euphytica, 2015, 202, 469-477.	0.6	2
76	Characterization of Fe deficiency induced RING finger family members in apple species. Plant Gene, 2020, 21, 100209.	1.4	0