Jiafu Jiang

List of Publications by Citations

105 papers	1,594 citations	24 h-index	32 g-index
115 ext. papers	2,362 ext. citations	5.6 avg, IF	4.64 L-index

#	Paper	IF	Citations
105	The Chrysanthemum nankingense Genome Provides Insights into the Evolution and Diversification of Chrysanthemum Flowers and Medicinal Traits. *Molecular Plant*, **2018**, 11, 1482-1491	14.4	74
104	A chrysanthemum heat shock protein confers tolerance to abiotic stress. *International Journal of Molecular Sciences*, **2014**, 15, 5063-78	6.3	71
103	A transcriptomic analysis of Chrysanthemum nankingense provides insights into the basis of low temperature tolerance. *BMC Genomics*, **2014**, 15, 844	4.5	53
102	Current achievements and future prospects in the genetic breeding of chrysanthemum: a review. *Horticulture Research*, **2019**, 6, 109	7.7	47
101	CmMYB19 Over-Expression Improves Aphid Tolerance in Chrysanthemum by Promoting Lignin Synthesis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	43
100	The over-expression of a chrysanthemum WRKY transcription factor enhances aphid resistance. *Plant Physiology and Biochemistry*, **2015**, 95, 26-34	5.4	41
99	Chrysanthemum CmHSFA4 gene positively regulates salt stress tolerance in transgenic chrysanthemum. *Plant Biotechnology Journal*, **2018**, 16, 1311-1321	11.6	41
98	CmWRKY1 Enhances the Dehydration Tolerance of Chrysanthemum through the Regulation of ABA-Associated Genes. *PLoS ONE*, **2016**, 11, e0150572	3.7	39
97	Identification of floral scent in chrysanthemum cultivars and wild relatives by gas chromatography-mass spectrometry. *Molecules*, **2015**, 20, 5346-59	4.8	33
96	Involvement of CmWRKY10 in Drought Tolerance of Chrysanthemum through the ABA-Signaling Pathway. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	33
95	Transcriptomic and hormone analyses reveal mechanisms underlying petal elongation in Chrysanthemum morifolium SJinbaS *Plant Molecular Biology*, **2017**, 93, 593-606	4.6	30
94	A bHLH transcription factor regulates iron intake under Fe deficiency in chrysanthemum. *Scientific Reports*, **2014**, 4, 6694	4.9	30
93	Reference genes for normalizing transcription in diploid and tetraploid Arabidopsis. *Scientific Reports*, **2014**, 4, 6781	4.9	30
92	Phylogenetic and transcription analysis of chrysanthemum WRKY transcription factors. *International Journal of Molecular Sciences*, **2014**, 15, 14442-55	6.3	30
91	Genetic diversity, population structure and association analysis in cut chrysanthemum (Chrysanthemum morifolium Ramat.). *Molecular Genetics and Genomics*, **2016**, 291, 1117-25	3.1	30
90	Reference gene selection for cross-species and cross-ploidy level comparisons in Chrysanthemum spp. *Scientific Reports*, **2015**, 5, 8094	4.9	28
89	Variation in tissue Na(+) content and the activity of SOS1 genes among two species and two related genera of Chrysanthemum. *BMC Plant Biology*, **2016**, 16, 98	5.3	28

88	GC-MS Analysis of the Volatile Constituents in the Leaves of 14 Compositae Plants. *Molecules*, **2018**, 23,	4.8	28
87	Morphological, Genome and Gene Expression Changes in Newly Induced Autopolyploid Chrysanthemum lavandulifolium (Fisch. ex Trautv.) Makino. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	28
86	MicroTom Metabolic Network: Rewiring Tomato Metabolic Regulatory Network throughout the Growth Cycle. *Molecular Plant*, **2020**, 13, 1203-1218	14.4	27
85	The constitutive expression of a two transgene construct enhances the abiotic stress tolerance of chrysanthemum. *Plant Physiology and Biochemistry*, **2014**, 80, 114-20	5.4	25
84	A putative high affinity phosphate transporter, CmPT1, enhances tolerance to Pi deficiency of chrysanthemum. *BMC Plant Biology*, **2014**, 14, 18	5.3	25
83	Mapping single-locus and epistatic quantitative trait loci for plant architectural traits in chrysanthemum. *Molecular Breeding*, **2012**, 30, 1027-1036	3.4	25
82	Comparative Transcriptome Analysis of Waterlogging-Sensitive and Waterlogging-Tolerant Chrysanthemum morifolium Cultivars under Waterlogging Stress and Reoxygenation Conditions. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	24
81	RNA-Seq derived identification of differential transcription in the chrysanthemum leaf following inoculation with Alternaria tenuissima. *BMC Genomics*, **2014**, 15, 9	4.5	24
80	Strigolactone represses the synthesis of melatonin, thereby inducing floral transition in Arabidopsis thaliana in an FLC-dependent manner. *Journal of Pineal Research*, **2019**, 67, e12582	10.4	23
79	MicroRNA Expression Profile during Aphid Feeding in Chrysanthemum (Chrysanthemum morifolium). *PLoS ONE*, **2015**, 10, e0143720	3.7	23
78	Cloning of chrysanthemum high-affinity nitrate transporter family (CmNRT2) and characterization of CmNRT2.1. *Scientific Reports*, **2016**, 6, 23462	4.9	22
77	Over-expression of chrysanthemum CmDREB6 enhanced tolerance of chrysanthemum to heat stress. *BMC Plant Biology*, **2018**, 18, 178	5.3	22
76	Overexpression of provides chrysanthemum resistance to aphids by regulating the biosynthesis of lignin. *Horticulture Research*, **2019**, 6, 84	7.7	21
75	Genetic mapping of quantitative trait loci underlying flowering time in chrysanthemum (Chrysanthemum morifolium). *PLoS ONE*, **2013**, 8, e83023	3.7	21
74	is involved in the photoperiod- and sucrose-mediated control of flowering time in chrysanthemum. *Horticulture Research*, **2017**, 4, 17001	7.7	20
73	Functional analysis of alternative splicing of the orthologous gene in. *Horticulture Research*, **2016**, 3, 16058	7.7	20
72	Transcriptomic analysis of differentially expressed genes in the floral transition of the summer flowering chrysanthemum. *BMC Genomics*, **2016**, 17, 673	4.5	19
71	Characterization of in vitro haploid and doubled haploid Chrysanthemum morifolium plants via unfertilized ovule culture for phenotypical traits and DNA methylation pattern. *Frontiers in Plant Science*, **2014**, 5, 738	6.2	18

70	Gibberellic Acid Signaling Is Required to Induce Flowering of Chrysanthemums Grown under Both Short and Long Days. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	17
69	Inheritance and molecular markers for aphid (Macrosiphoniella sanbourni) resistance in chrysanthemum (Chrysanthemum morifolium Ramat.). *Scientia Horticulturae*, **2014**, 180, 220-226	4.1	17
68	Identification of nitrogen starvation-responsive microRNAs in Chrysanthemum nankingense. *Plant Physiology and Biochemistry*, **2015**, 91, 41-8	5.4	16
67	Rapid genomic and transcriptomic alterations induced by wide hybridization: Chrysanthemum nankingense Tanacetum vulgare and C. crassum Crossostephium chinense (Asteraceae). *BMC Genomics*, **2013**, 14, 902	4.5	16
66	Overexpression of OsSIN, encoding a novel small protein, causes short internodes in Oryza sativa. *Plant Science*, **2005**, 169, 487-495	5.3	16
65	The heterologous expression of a chrysanthemum TCP-P transcription factor CmTCP14 suppresses organ size and delays senescence in Arabidopsis thaliana. *Plant Physiology and Biochemistry*, **2017**, 115, 239-248	5.4	15
64	Identification of differentially expressed genes in Chrysanthemum nankingense (Asteraceae) under heat stress by RNA Seq. *Gene*, **2014**, 552, 59-66	3.8	15
63	Isolation and characterization of six AP2/ERF transcription factor genes in Chrysanthemum nankingense. *International Journal of Molecular Sciences*, **2015**, 16, 2052-65	6.3	14
62	Identification of quantitative trait loci for branching traits of spray cut chrysanthemum. *Euphytica*, **2015**, 202, 385-392	2.1	14
61	Microsatellite polymorphism among Chrysanthemum sp. polyploids: the influence of whole genome duplication. *Scientific Reports*, **2014**, 4, 6730	4.9	14
60	Identification of favorable SNP alleles and candidate genes responsible for inflorescence-related traits via GWAS in chrysanthemum. *Plant Molecular Biology*, **2019**, 99, 407-420	4.6	13
59	CmMYB8 encodes an R2R3 MYB transcription factor which represses lignin and flavonoid synthesis in chrysanthemum. *Plant Physiology and Biochemistry*, **2020**, 149, 217-224	5.4	13
58	CmBBX8 accelerates flowering by targeting CmFTL1 directly in summer chrysanthemum. *Plant Biotechnology Journal*, **2020**, 18, 1562-1572	11.6	13
57	The heterologous expression of CmBBX22 delays leaf senescence and improves drought tolerance in Arabidopsis. *Plant Cell Reports*, **2019**, 38, 15-24	5.1	13
56	Comprehensive characterization of a floral mutant reveals the mechanism of hooked petal morphogenesis in Chrysanthemum morifolium. *Plant Biotechnology Journal*, **2019**, 17, 2325-2340	11.6	12
55	Chrysanthemum CmNAR2 interacts with CmNRT2 in the control of nitrate uptake. *Scientific Reports* , **2014**, 4, 5833	4.9	12
54	Regulation of flowering time in chrysanthemum by the R2R3 MYB transcription factor is associated with changes in gibberellin metabolism. *Horticulture Research*, **2020**, 7, 96	7.7	12
53	The chrysanthemum leaf and root transcript profiling in response to salinity stress. *Gene*, **2018**, 674, 161-169	3.8	12

52	CmWRKY15 Facilitates Alternaria tenuissima Infection of Chrysanthemum. *PLoS ONE*, **2015**, 10, e0143349	3.7	11
51	An isoform of eukaryotic initiation factor 4E from Chrysanthemum morifolium interacts with Chrysanthemum virus B coat protein. *PLoS ONE*, **2013**, 8, e57229	3.7	11
50	Overexpression of the CmJAZ1-like gene delays flowering in Chrysanthemum morifolium. *Horticulture Research*, **2021**, 8, 87	7.7	11
49	miRNAs Are Involved in Determining the Improved Vigor of Autotetrapoid. *Frontiers in Plant Science*, **2016**, 7, 1412	6.2	11
48	The CmTCP20 gene regulates petal elongation growth in Chrysanthemum morifolium. *Plant Science* , **2019**, 280, 248-257	5.3	11
47	Genomic and transcriptomic alterations following intergeneric hybridization and polyploidization in the hybrid and allopolyploid (Asteraceae). *Horticulture Research*, **2018**, 5, 5	7.7	10
46	Chrysanthemum transcription factor CmLBD1 direct lateral root formation in Arabidopsis thaliana. *Scientific Reports*, **2016**, 6, 20009	4.9	9
45	Overexpression of Phosphate Transporter Gene Facilitated Pi Uptake and Alternated the Metabolic Profiles of Chrysanthemum Under Phosphate Deficiency. *Frontiers in Plant Science*, **2018**, 9, 686	6.2	9
44	Whole genome duplication enhances the photosynthetic capacity of Chrysanthemum nankingense. *Molecular Genetics and Genomics*, **2017**, 292, 1247-1256	3.1	9
43	Chrysanthemum (Chrysanthemum morifolium) CmICE2 conferred freezing tolerance in Arabidopsis. *Plant Physiology and Biochemistry*, **2020**, 146, 31-41	5.4	9
42	Comparative transcriptome analysis of Chrysanthemum nankingense in response to nitrogen deficiency. *Scientia Horticulturae*, **2015**, 195, 101-107	4.1	8
41	The heterologous expression in Arabidopsis thaliana of a chrysanthemum gene encoding the BBX family transcription factor CmBBX13 delays flowering. *Plant Physiology and Biochemistry*, **2019**, 144, 480-487	5.4	8
40	Sugar Transporter, CmSWEET17, Promotes Bud Outgrowth in. *Genes*, **2019**, 11,	4.2	8
39	Small-scale alpine topography at low latitudes and high altitudes: refuge areas of the genus Chrysanthemum and its allies. *Horticulture Research*, **2020**, 7, 184	7.7	8
38	is a regulator of boundary formation in chrysanthemum ray florets. *Horticulture Research*, **2020**, 7, 129	7.7	8
37	The Constitutive Expression of a Chrysanthemum ERF Transcription Factor Influences Flowering Time in Arabidopsis thaliana. *Molecular Biotechnology*, **2019**, 61, 20-31	3	8
36	The over-expression of a chrysanthemum gene encoding an RNA polymerase II CTD phosphatase-like 1 enzyme enhances tolerance to heat stress. *Horticulture Research*, **2018**, 5, 37	7.7	8
35	Overexpression of CmSOS1 confers waterlogging tolerance in Chrysanthemum. *Journal of Integrative Plant Biology*, **2020**, 62, 1059-1064	8.3	7

34	Genetic variation and development of a SCAR marker of anemone-type flower in chrysanthemum. *Molecular Breeding*, **2019**, 39, 1	3.4	5
33	The core regulatory networks and hub genes regulating flower development in Chrysanthemum morifolium. *Plant Molecular Biology*, **2020**, 103, 669-688	4.6	5
32	Chrysanthemum negatively regulates the resistance of chrysanthemum to the aphid. *Horticulture Research*, **2020**, 7, 109	7.7	5
31	Limited DNA methylation variation and the transcription of MET1 and DDM1 in the genus Chrysanthemum (Asteraceae): following the track of polyploidy. *Frontiers in Plant Science*, **2015**, 6, 668	6.2	5
30	A novel transcription factor CmMYB012 inhibits flavone and anthocyanin biosynthesis in response to high temperatures in chrysanthemum. *Horticulture Research*, **2021**, 8, 248	7.7	5
29	An R2R3-MYB transcription factor CmMYB21 represses anthocyanin biosynthesis in color fading petals of chrysanthemum. *Scientia Horticulturae*, **2022**, 293, 110674	4.1	5
28	Identification of 5S and 45S rDNA sites in Chrysanthemum species by using oligonucleotide fluorescence in situ hybridization (Oligo-FISH). *Molecular Biology Reports*, **2021**, 48, 21-31	2.8	5
27	Physiological and Transcripts Analyses Reveal the Mechanism by Which Melatonin Alleviates Heat Stress in Chrysanthemum Seedlings. *Frontiers in Plant Science*, **2021**, 12, 673236	6.2	5
26	Investigation of Differences in Fertility among Progenies from Self-Pollinated Chrysanthemum. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	4
25	A single residue change in the product of the chrysanthemum gene TPL1-2 leads to a failure in its repression of flowering. *Plant Science*, **2019**, 285, 165-174	5.3	3
24	A Transcriptomic Analysis Targeting Genes Involved in the Floral Transition of Winter-Flowering Chrysanthemum. *Journal of Plant Growth Regulation*, **2018**, 37, 220-232	4.7	3
23	The loss of a single residue from CmFTL3 leads to the failure of florigen to flower. *Plant Science*, **2018**, 276, 99-104	5.3	3
22	Genetic dissection of floral traits in anemone-type chrysanthemum by QTL mapping. *Molecular Breeding*, **2019**, 39, 1	3.4	2
21	ClE2F1 Overexpression Enhances Plant Growth in Chrysanthemum lavandulifolium (Fisch. ex Trautv.) Makino. *Plant Molecular Biology Reporter*, **2018**, 36, 341-349	1.7	2
20	The Heterologous Expression of a Chrysanthemum nankingense TCP Transcription Factor Blocks Cell Division in Yeast and Arabidopsis thaliana. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	2
19	CmMYB9a activates floral coloration by positively regulating anthocyanin biosynthesis in chrysanthemum. *Plant Molecular Biology*, **2021**, 1	4.6	2
18	Expression profiling of Chrysanthemum crassum under salinity stress and the initiation of morphological changes. *PLoS ONE*, **2017**, 12, e0175972	3.7	2
17	CmMLO17 and its partner CmKIC potentially support Alternaria alternata growth in Chrysanthemum morifolium. *Horticulture Research*, **2021**, 8, 101	7.7	2

16	Functional identification of a flavone synthase and a flavonol synthase genes affecting flower color formation in Chrysanthemum morifolium. *Plant Physiology and Biochemistry*, **2021**, 166, 1109-1120	5.4	2
15	STAYGREEN-mediated chlorophyll a catabolism is critical for photosystem stability during heat-induced leaf senescence in perennial ryegrass.. *Plant, Cell and Environment*, **2022**,	8.4	2
14	Long-distance transport RNAs between rootstocks and scions and graft hybridization.. *Planta*, **2022** , 255, 96	4.7	2
13	An Eruption of LTR Retrotransposons in the Autopolyploid Genomes of (Asteraceae).. *Plants*, **2022**, 11,	4.5	1
12	Genetic characterization of anemone-type chrysanthemum (Chrysanthemum morifolium) using floral morphology and SRAP markers. *Plant Breeding*, **2020**, 139, 419-427	2.4	1
11	Characterization of an APETALA1 and a FRUITFUL-like homolog in chrysanthemum. *Scientia Horticulturae*, **2020**, 272, 109518	4.1	1
10	CmRCD1 represses flowering by directly interacting with CmBBX8 in summer chrysanthemum. *Horticulture Research*, **2021**, 8, 79	7.7	1
9	The genome of reveals its adaptation to saline and waterlogged habitat.. *Horticulture Research*, **2022**, 9, uhac067	7.7	1
8	The genetics of planting density-dependent branching in chrysanthemum. *Scientia Horticulturae*, **2019**, 256, 108598	4.1	0
7	A Transcriptional Network Makes Normal Tomato Fruit Not Purple. *Molecular Plant*, **2020**, 13, 11-13	14.4	0
6	Heterologous expression of chrysanthemum TOPLESS corepressor CmTPL1-1 alters meristem maintenance and organ development in Arabidopsis thaliana. *Plant Physiology and Biochemistry*, **2020**, 157, 256-263	5.4	0
5	Heterologous expression of Chrysanthemum nankingense TCP13 suppresses leaf development in Arabidopsis thaliana. *Plant Growth Regulation*,1	3.2	0
4	Effect of grafting on the growth and flowering of sprays chrysanthemums. *Scientia Horticulturae*, **2022**, 291, 110607	4.1	0
3	Transcriptome Analysis Reveals Genes Respond to Chlorophyll Deficiency in Green and Yellow Leaves of Chrysanthemum morifolium Ramat. *Horticulturae*, **2022**, 8, 14	2.5	0
2	Uneven Levels of 5S and 45S rDNA Site Number and Loci Variations across Wild Chrysanthemum Accessions. *Genes*, **2022**, 13, 894	4.2	0
1	CmSCL4 and CmR1MYB1 synergistically enhance the drought tolerance by regulation of ABA signaling in chrysanthemum. *Environmental and Experimental Botany*, **2022**, 104886	5.9	