Ji-Hong Liu

List of Publications by Year
in descending order

106 papers	6,809 citations	53939 47 h-index	73587 79 g-index
108 all docs	108 docs citations	108 times ranked	6554 citing authors

#	Article	IF	Citations
1	Citrus sinensis CBF1 Functions in Cold Tolerance by Modulating Putrescine Biosynthesis through Regulation of Arginine Decarboxylase. Plant and Cell Physiology, 2022, 63, 19-29.	1.5	21
2	ERF9 of Poncirus trifoliata (L.) Raf. undergoes feedback regulation by ethylene and modulates cold tolerance via regulating a glutathione Sâ€transferase U17 gene. Plant Biotechnology Journal, 2022, 20, 183-200.	4.1	57
3	Transcription factors AcERF74/75 respond to waterlogging stress and trigger alcoholic fermentation-related genes in kiwifruit. Plant Science, 2022, 314, 111115.	1.7	17
4	Genome Wide Identification of Respiratory Burst Oxidase Homolog (Rboh) Genes in Citrus sinensis and Functional Analysis of CsRbohD in Cold Tolerance. International Journal of Molecular Sciences, 2022, 23, 648.	1.8	13
5	Translational and post-translational regulation of polyamine metabolic enzymes in plants. Journal of Biotechnology, 2022, 344, 1-10.	1.9	5
6	Integrated transcriptomic and metabolic analyses reveal that ethylene enhances peach susceptibility to Lasiodiplodia theobromae-induced gummosis. Horticulture Research, 2022, 9, .	2.9	13
7	microRNA172 targets APETALA2 to regulate flavonoid biosynthesis in apple (Malus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.9	22
8	Manual thinning increases fruit size and sugar content of Citrus reticulata Blanco and affects hormone synthesis and sugar transporter activity. Journal of Integrative Agriculture, 2022, 21, 725-735.	1.7	1
9	Genome-Wide Analysis of the Banana WRKY Transcription Factor Gene Family Closely Related to Fruit Ripening and Stress. Plants, 2022, 11, 662.	1.6	14
10	Characterization of pectin methylesterase gene family and its possible role in juice sac granulation in navel orange (Citrus sinensis Osbeck). BMC Genomics, 2022, 23, 185.	1.2	6
11	An efficient CRISPR/Cas9 system for simultaneous editing two target sites in Fortunella hindsii. Horticulture Research, 2022, 9, .	2.9	5
12	Genome-wide identification, bioinformatics characterization and functional analysis of pectin methylesterase inhibitors related to low temperature-induced juice sac granulation in navel orange (Citrus sinensis Osbeck). Scientia Horticulturae, 2022, 298, 110983.	1.7	8
13	Dual-Channel Fluorescent Probe for the Simultaneous Monitoring of Peroxynitrite and Adenosine-5â€²-triphosphate in Cellular Applications. Journal of the American Chemical Society, 2022, 144, 174-183.	6.6	89
14	Boron contributes to excessive aluminum tolerance in trifoliate orange (Poncirus trifoliata (L.) Raf.) by inhibiting cell wall deposition and promoting vacuole compartmentation. Journal of Hazardous Materials, 2022, 437, 129275.	6.5	11
15	Genome-Wide Identification of NRT Gene Family and Expression Analysis of Nitrate Transporters in Response to Salt Stress in Poncirus trifoliata. Genes, 2022, 13, 1115.	1.0	9
16	Identification of gene co-expression networks and key genes regulating flavonoid accumulation in apple (Malus Ã— domestica) fruit skin. Plant Science, 2021, 304, 110747.	1.7	23
17	The JAâ€responsive MYC2â€BADHâ€like transcriptional regulatory module in Poncirus trifoliata contributes to cold tolerance by modulation of glycine betaine biosynthesis. New Phytologist, 2021, 229, 2730-2750.	3.5	50
18	Fluorescent probe for the imaging of superoxide and peroxynitrite during drug-induced liver injury. Chemical Science, 2021, 12, 3921-3928.	3.7	99

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19	In Situ Observation of mtDNA Damage during Hepatic Ischemia-Reperfusion. Analytical Chemistry, 2021, 93, 5782-5788.	3.2	8
20	PtrMYB3, a R2R3-MYB Transcription Factor from Poncirus trifoliata, Negatively Regulates Salt Tolerance and Hydrogen Peroxide Scavenging. Antioxidants, 2021, 10, 1388.	2.2	5
21	ERF108 from Poncirus trifoliata (L.) Raf. functions in cold tolerance by modulating raffinose synthesis through transcriptional regulation of PtrRafS. Plant Journal, 2021, 108, 705-724.	2.8	40
22	Genome-wide identification and expression profiling of invertase gene family for abiotic stresses tolerance in Poncirus trifoliata. BMC Plant Biology, 2021, 21, 559.	1.6	9
23	PtrCDPK10 of Poncirus trifoliata functions in dehydration and drought tolerance by reducing ROS accumulation via phosphorylating PtrAPX. Plant Science, 2020, 291, 110320.	1.7	19
24	Transcriptome analysis reveal the putative genes involved in light-induced anthocyanin accumulation in grape â€˜Red Globeâ€™ (V. vinifera L.). Gene, 2020, 728, 144284.	1.0	31
25	Comparative transcriptome analysis reveals synergistic and disparate defense pathways in the leaves and roots of trifoliate orange (Poncirus trifoliata) autotetraploids with enhanced salt tolerance. Horticulture Research, 2020, 7, 88.	2.9	40
26	The phytochrome-interacting transcription factor CsPIF8 contributes to cold tolerance in citrus by regulating superoxide dismutase expression. Plant Science, 2020, 298, 110584.	1.7	15
27	New quantitative trait locus (QTLs) and candidate genes associated with the grape berry color trait identified based on a high-density genetic map. BMC Plant Biology, 2020, 20, 302.	1.6	21
28	CsCYT75B1, a Citrus CYTOCHROME P450 Gene, Is Involved in Accumulation of Antioxidant Flavonoids and Induces Drought Tolerance in Transgenic Arabidopsis. Antioxidants, 2020, 9, 161.	2.2	65
29	Transcriptome Analysis Unravels Metabolic and Molecular Pathways Related to Fruit Sac Granulation in a Late-Ripening Navel Orange (Citrus sinensis Osbeck). Plants, 2020, 9, 95.	1.6	26
30	Two-photon fluorescence imaging of mitochondrial superoxide anion transport mediating liver ischemia-reperfusion injury in mice. Chemical Communications, 2019, 55, 10740-10743.	2.2	20
31	Overexpression of PtrbHLH, a basic helix-loop-helix transcription factor from Poncirus trifoliata, confers enhanced cold tolerance in pummelo (Citrus grandis) by modulation of H2O2 level via regulating a CAT gene. Tree Physiology, 2019, 39, 2045-2054.	1.4	21
32	The Interplay among Polyamines and Nitrogen in Plant Stress Responses. Plants, 2019, 8, 315.	1.6	35
33	In situ and real-time imaging of superoxide anion and peroxynitrite elucidating arginase 1 nitration aggravating hepatic ischemia-reperfusion injury. Biomaterials, 2019, 225, 119499.	5.7	52
34	Two-photon fluorescence imaging reveals a Golgi apparatus superoxide anion-mediated hepatic ischaemia-reperfusion signalling pathway. Chemical Science, 2019, 10, 879-883.	3.7	64
35	Polyamine Catabolism in Plants: A Universal Process With Diverse Functions. Frontiers in Plant Science, 2019, 10, 561.	1.7	117
36	Rr<scp>MYB</scp>5â€•and Rr<scp>MYB</scp>10â€•regulated flavonoid biosynthesis plays a pivotal role in feedback loop responding to wounding and oxidation in Rosa rugosa. Plant Biotechnology Journal, 2019, 17, 2078-2095.	4.1	63

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37	Enhanced <scp>ROS</scp> scavenging and sugar accumulation contribute to drought tolerance of naturally occurring autotetraploids in Poncirus trifoliata. Plant Biotechnology Journal, 2019, 17, 1394-1407.	4.1	100
38	<scp>ERF</scp>109 of trifoliate orange (Poncirus trifoliata (L.) Raf.) contributes to cold tolerance by directly regulating expression of Prx1 involved in antioxidative process. Plant Biotechnology Journal, 2019, 17, 1316-1332.	4.1	84
39	The transcription factor CsbHLH18 of sweet orange functions in modulation of cold tolerance and homeostasis of reactive oxygen species by regulating the antioxidant gene. Journal of Experimental Botany, 2018, 69, 2677-2692.	2.4	76
40	The transcription factor Fc<scp>WRKY</scp>40 of Fortunella crassifolia functions positively in salt tolerance through modulation of ion homeostasis and proline biosynthesis by directly regulating <scp>SOS</scp>2 and P5<scp>CS</scp>1 homologs. New Phytologist, 2018, 219, 972-989.	3.5	157
41	Early Cold-Induced Peroxidases and Aquaporins Are Associated With High Cold Tolerance in Dajiao (Musa spp. â€˜Dajiaoâ€™). Frontiers in Plant Science, 2018, 9, 282.	1.7	38
42	Genome-wide identification and expression profiling of copper-containing amine oxidase genes in sweet orange (Citrus sinensis). Tree Genetics and Genomes, 2017, 13, 1.	0.6	11
43	Detection of Free Polyamines in Plants Subjected to Abiotic Stresses by High-Performance Liquid Chromatography (HPLC). Methods in Molecular Biology, 2017, 1631, 305-311.	0.4	9
44	PtrA/NINV, an alkaline/neutral invertase gene of Poncirus trifoliata, confers enhanced tolerance to multiple abiotic stresses by modulating ROS levels and maintaining photosynthetic efficiency. BMC Plant Biology, 2016, 16, 76.	1.6	124
45	A NAC Transcription Factor Represses Putrescine Biosynthesis and Affects Drought Tolerance. Plant Physiology, 2016, 172, 1532-1547.	2.3	96
46	The miR396b ofPoncirus trifoliataFunctions in Cold Tolerance by Regulating ACC Oxidase Gene Expression and Modulating Ethyleneâ€“Polyamine Homeostasis. Plant and Cell Physiology, 2016, 57, 1865-1878.	1.5	79
47	CsPAO4 of Citrus sinensis functions in polyamine terminal catabolism and inhibits plant growth under salt stress. Scientific Reports, 2016, 6, 31384.	1.6	35
48	<scp>FcWRKY</scp>70, a <scp>WRKY</scp> protein of <scp>F</scp>ortunella crassifolia, functions in drought tolerance and modulates putrescine synthesis by regulating arginine decarboxylase gene. Plant, Cell and Environment, 2015, 38, 2248-2262.	2.8	111
49	The Scion/Rootstock Genotypes and Habitats Affect Arbuscular Mycorrhizal Fungal Community in Citrus. Frontiers in Microbiology, 2015, 6, 1372.	1.5	24
50	RNAi-based functional elucidation of PtrPRP, a gene encoding a hybrid proline rich protein, in cold tolerance of Poncirus trifoliata. Frontiers in Plant Science, 2015, 6, 808.	1.7	19
51	Polyamines function in stress tolerance: from synthesis to regulation. Frontiers in Plant Science, 2015, 6, 827.	1.7	322
52	ICE1 of Poncirus trifoliata functions in cold tolerance by modulating polyamine levels through interacting with arginine decarboxylase. Journal of Experimental Botany, 2015, 66, 3259-3274.	2.4	69
53	SSAP analysis reveals candidate genes associated with deastringency in persimmon (Diospyros kaki) Tj ETQq1 1 0.784314 rgBT /Over	0.6	14
54	PtrABF ofPoncirus trifoliatafunctions in dehydration tolerance by reducing stomatal density and maintaining reactive oxygen species homeostasis. Journal of Experimental Botany, 2015, 66, 5911-5927.	2.4	60

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55	Identification and characterization of microRNAs from Chinese pollination constant non-astringent persimmon using high-throughput sequencing. BMC Plant Biology, 2015, 15, 11.	1.6	52
56	Deep sequencing-based characterization of transcriptome of trifoliate orange (Poncirus trifoliata (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	57
57	Genome-wide identification and expression analysis of the polyamine oxidase gene family in sweet orange (Citrus sinensis). Gene, 2015, 555, 421-429.	1.0	63
58	Identification of Conserved and Novel Cold-Responsive MicroRNAs in Trifoliate Orange (Poncirus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 328-341.	1.0	68
59	Molecular cloning and characterization of CrNCED1, a gene encoding 9-cis-epoxycarotenoid dioxygenase in Citrus reshni, with functions in tolerance to multiple abiotic stresses. Planta, 2014, 239, 61-77.	1.6	68
60	Critical cis-Acting Elements and Interacting Transcription Factors: Key Players Associated with Abiotic Stress Responses in Plants. Plant Molecular Biology Reporter, 2014, 32, 303-317.	1.0	132
61	Overexpression of a stress-responsive MYB transcription factor of Poncirus trifoliata confers enhanced dehydration tolerance and increases polyamine biosynthesis. Plant Physiology and Biochemistry, 2014, 78, 71-79.	2.8	52
62	<scp>P</scp>tr<scp>BAM</scp>1, a Î²â€amylaseâ€coding gene of <scp>P</scp>oncirus trifoliata, is a <scp>CBF</scp> regulon member with function in cold tolerance by modulating soluble sugar levels. Plant, Cell and Environment, 2014, 37, 2754-2767.	2.8	98
63	A stress responsive gene of Fortunella crassifolia FcSISP functions in salt stress resistance. Plant Physiology and Biochemistry, 2014, 83, 10-19.	2.8	8
64	Cloning and characterization of FcWRKY40, A WRKY transcription factor from Fortunella crassifolia linked to oxidative stress tolerance. Plant Cell, Tissue and Organ Culture, 2014, 119, 197-210.	1.2	25
65	Differences in oxidative stress, antioxidant systems, and microscopic analysis between regenerating callus-derived protoplasts and recalcitrant leaf mesophyll-derived protoplasts of Citrus reticulata Blanco. Plant Cell, Tissue and Organ Culture, 2013, 114, 161-169.	1.2	19
66	Genetic transformation and genes for resistance to abiotic and biotic stresses in Citrus and its related genera. Plant Cell, Tissue and Organ Culture, 2013, 113, 137-147.	1.2	61
67	The draft genome of sweet orange (Citrus sinensis). Nature Genetics, 2013, 45, 59-66.	9.4	837
68	Transcriptional Profiling of Canker-Resistant Transgenic Sweet Orange (Citrus sinensisOsbeck) Constitutively Overexpressing a Spermidine Synthase Gene. BioMed Research International, 2013, 2013, 1-13.	0.9	15
69	A Basic Helix-Loop-Helix Transcription Factor, PtrbHLH, of Poncirus trifoliata Confers Cold Tolerance and Modulates Peroxidase-Mediated Scavenging of Hydrogen Peroxide Â Â. Plant Physiology, 2013, 162, 1178-1194.	2.3	230
70	Screening of UV-B-induced genes from apple peels by SSH: possible involvement of MdCOP1-mediated signaling cascade genes in anthocyanin accumulation. Physiologia Plantarum, 2013, 148, 432-444.	2.6	30
71	Exogenous treatment with salicylic acid attenuates occurrence of citrus canker in susceptible navel orange (Citrus sinensis Osbeck). Journal of Plant Physiology, 2012, 169, 1143-1149.	1.6	55
72	Fabrication and characterization of NBR/MWCNT composites by latex technology. Polymer Composites, 2012, 33, 1586-1592.	2.3	13

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73	Different Transcriptional Response to Xanthomonas citri subsp. citri between Kumquat and Sweet Orange with Contrasting Canker Tolerance. PLoS ONE, 2012, 7, e41790.	1.1	36
74	Color separation for colored fiber blends based on the fuzzy Câ€•means cluster. Color Research and Application, 2012, 37, 212-218.	0.8	3
75	Agrobacterium-mediated genetic transformation and regeneration of transgenic plants using leaf segments as explants in Valencia sweet orange. Plant Cell, Tissue and Organ Culture, 2012, 109, 383-390.	1.2	21
76	Nitric oxide is involved in dehydration/drought tolerance in Poncirus trifoliata seedlings through regulation of antioxidant systems and stomatal response. Plant Cell Reports, 2012, 31, 145-154.	2.8	68
77	Screening of UV-B-induced genes from apple peels by SSH: possible involvement of MdCOP1-mediated signaling cascade genes in anthocyanin accumulation. Physiologia Plantarum, 2012, , n/a-n/a.	2.6	46
78	Fabric defect detection based on projected transform for feature extraction. , 2011, , .		0
79	An arginine decarboxylase gene PtADC from Poncirus trifoliata confers abiotic stress tolerance and promotes primary root growth in Arabidopsis. Journal of Experimental Botany, 2011, 62, 2899-2914.	2.4	157
80	Overexpression of PtADC confers enhanced dehydration and drought tolerance in transgenic tobacco and tomato: Effect on ROS elimination. Biochemical and Biophysical Research Communications, 2011, 413, 10-16.	1.0	67
81	Differential structure and physiological response to canker challenge between â€˜Meiwaâ€™ kumquat and â€˜Newhallâ€™ navel orange with contrasting resistance. Scientia Horticulturae, 2011, 128, 115-123.	1.7	26
82	Arbuscular mycorrhizal development, glomalinâ€•related soil protein (GRSP) content, and rhizospheric phosphatase activitiy in citrus orchards under different types of soil management. Journal of Plant Nutrition and Soil Science, 2011, 174, 65-72.	1.1	29
83	Overexpression of the betaine aldehyde dehydrogenase gene from Atriplex hortensis enhances salt tolerance in the transgenic trifoliate orange (Poncirus trifoliata L. Raf.). Environmental and Experimental Botany, 2011, 74, 106-113.	2.0	78
84	Colonization with arbuscular mycorrhizal fungus affects growth, drought tolerance and expression of stress-responsive genes in Poncirus trifoliata. Acta Physiologiae Plantarum, 2011, 33, 1533-1542.	1.0	86
85	Ectopic expression of MdSPDS1 in sweet orange (Citrus sinensis Osbeck) reduces canker susceptibility: involvement of H2O2 production and transcriptional alteration. BMC Plant Biology, 2011, 11, 55.	1.6	77
86	Cloning and molecular characterization of a mitogen-activated protein kinase gene from Poncirus trifoliata whose ectopic expression confers dehydration/drought tolerance in transgenic tobacco. Journal of Experimental Botany, 2011, 62, 5191-5206.	2.4	97
87	Cloning, biochemical identification, and expression analysis of a gene encodingS-adenosylmethionine decarboxylase in navel orange (Citrus sinensisOsbeck). Journal of Horticultural Science and Biotechnology, 2010, 85, 219-226.	0.9	12
88	Overexpression of PtrABF gene, a bZIP transcription factor isolated from Poncirus trifoliata, enhances dehydration and drought tolerance in tobacco via scavenging ROS and modulating expression of stress-responsive genes. BMC Plant Biology, 2010, 10, 230.	1.6	226
89	Spermine pretreatment confers dehydration tolerance of citrus in vitro plants via modulation of antioxidative capacity and stomatal response. Tree Physiology, 2010, 30, 914-922.	1.4	246
90	Potential regulation of apple in vitro shoot growth via modulation of cellular polyamine contents. Scientia Horticulturae, 2009, 119, 423-429.	1.7	7

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91	Regeneration and characterization of plants derived from leaf in vitro culture of two sweet orange (Citrus sinensis (L.) Osbeck) cultivars. Scientia Horticulturae, 2009, 120, 70-76.	1.7	37
92	Involvement of polyamine biosynthesis in somatic embryogenesis of Valencia sweet orange (Citrus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	49
93	Enhancement of spermidine content and antioxidant capacity in transgenic pear shoots overexpressing apple spermidine synthase in response to salinity and hyperosmosis. Phytochemistry, 2008, 69, 2133-2141.	1.4	96
94	Salt stress-mediated changes in free polyamine titers and expression of genes responsible for polyamine biosynthesis of apple in vitro shoots. Environmental and Experimental Botany, 2008, 62, 28-35.	2.0	78
95	Polyamines and their ability to provide environmental stress tolerance to plants. Plant Biotechnology, 2007, 24, 117-126.	0.5	318
96	Asymmetric somatic hybridization between UV-irradiated Citrus unshiu and C. sinensis: regeneration and characterization of hybrid shoots. Plant Cell Reports, 2007, 26, 1263-1273.	2.8	13
97	Isolation of microprotoplasts from a partially synchronized suspension culture of Citrus unshiu. Journal of Plant Physiology, 2006, 163, 1185-1192.	1.6	13
98	Involvement of Polyamine in Floral and Fruit Development. Japan Agricultural Research Quarterly, 2006, 40, 51-58.	0.1	58
99	InÂvitro induction, regeneration and analysis of autotetraploids derived from protoplasts and callus treated with colchicine in Citrus. Plant Cell, Tissue and Organ Culture, 2006, 87, 85-93.	1.2	36
100	Polyamine biosynthesis of apple callus under salt stress: importance of the arginine decarboxylase pathway in stress response. Journal of Experimental Botany, 2006, 57, 2589-2599.	2.4	188
101	Role of polyamines in peach fruit development and storage. Tree Physiology, 2006, 26, 791-798.	1.4	49
102	Intergeneric somatic hybridization and its application to crop genetic improvement. Plant Cell, Tissue and Organ Culture, 2005, 82, 19-44.	1.2	104
103	Amplified fragment length polymorphism for variety identification and genetic diversity assessment in oleander (Nerium oleander L.). Euphytica, 2004, 136, 125-137.	0.6	11
104	Production and characterization of intergeneric diploid cybrids derived from symmetric fusion between Microcitrus papuana Swingle and sour orange (Citrus aurantium). Euphytica, 2004, 136, 115-123.	0.6	16
105	Title is missing!. Euphytica, 2002, 125, 13-20.	0.6	22
106	Title is missing!. Plant Cell, Tissue and Organ Culture, 1999, 59, 81-87.	1.2	14