Houbin Chen

List of Publications by Year
in descending order

29 papers	577 citations	623734 14 h-index	642732 23 g-index
30 all docs	30 docs citations	30 times ranked	546 citing authors

#	Article	IF	Citations
1	Two divergent haplotypes from a highly heterozygous lychee genome suggest independent domestication events for early and late-maturing cultivars. Nature Genetics, 2022, 54, 73-83.	21.4	88
2	De novo transcriptome assembly for rudimentary leaves in Litchi chinesis Sonn. and identification of differentially expressed genes in response to reactive oxygen species. BMC Genomics, 2014, 15, 805.	2.8	65
3	Ultrastructural changes and the distribution of arabinogalactan proteins during somatic embryogenesis of banana (<i>Musa</i> spp. AAA cv. â€˜Yueyoukang 1â€™). Physiologia Plantarum, 2011, 142, 372-389.	5.2	43
4	Wound-induced pectin methylesterases enhance banana (Musa spp. AAA) susceptibility to Fusarium oxysporum f. sp. cubense. Journal of Experimental Botany, 2013, 64, 2219-2229.	4.8	33
5	Promoter difference of LcFT1 is a leading cause of natural variation of flowering timing in different litchi cultivars (Litchi chinensis Sonn.). Plant Science, 2015, 241, 128-137.	3.6	31
6	Expression and distribution of extensins and AGPs in susceptible and resistant banana cultivars in response to wounding and Fusarium oxysporum. Scientific Reports, 2017, 7, 42400.	3.3	30
7	Integrative effect of drought and low temperature on litchi (Litchi chinensis Sonn.) floral initiation revealed by dynamic genome-wide transcriptome analysis. Scientific Reports, 2016, 6, 32005.	3.3	27
8	Variable content and distribution of arabinogalactan proteins in banana (Musa spp.) under low temperature stress. Frontiers in Plant Science, 2015, 6, 353.	3.6	26
9	Comparative Digital Gene Expression Analysis of Tissue-Cultured Plantlets of Highly Resistant and Susceptible Banana Cultivars in Response to Fusarium oxysporum. International Journal of Molecular Sciences, 2018, 19, 350.	4.1	24
10	Histological changes and differences in activities of some antioxidant enzymes and hydrogen peroxide content during somatic embryogenesis of Musa AAA cv. Yueyoukang 1. Scientia Horticulturae, 2012, 144, 87-92.	3.6	22
11	Reactive oxygen species and nitric oxide induce senescence of rudimentary leaves and the expression profiles of the related genes in Litchi chinensis. Horticulture Research, 2018, 5, 23.	6.3	21
12	Rudimentary leaf abortion with the development of panicle in litchi: Changes in ultrastructure, antioxidant enzymes and phytohormones. Scientia Horticulturae, 2008, 117, 288-296.	3.6	18
13	Genome-wide analyses of banana fasciclin-like AGP genes and their differential expression under low-temperature stress in chilling sensitive and tolerant cultivars. Plant Cell Reports, 2020, 39, 693-708.	5.6	17
14	RNA-seq analysis of apical meristem reveals integrative regulatory network of ROS and chilling potentially related to flowering in Litchi chinensis. Scientific Reports, 2017, 7, 10183.	3.3	15
15	Genome-wide transcriptome analysis reveals the molecular mechanism of high temperature-induced floral abortion in Litchi chinensis. BMC Genomics, 2019, 20, 127.	2.8	15
16	Transcriptome profiling of litchi leaves in response to low temperature reveals candidate regulatory genes and key metabolic events during floral induction. BMC Genomics, 2017, 18, 363.	2.8	13
17	Genome-Wide Identification and Expression Analysis of MADS-Box Family Genes in Litchi (Litchi) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.5	13
18	Genome-Wide Identification of Banana Csl Gene Family and Their Different Responses to Low Temperature between Chilling-Sensitive and Tolerant Cultivars. Plants, 2021, 10, 122.	3.5	12

#	Article	IF	Citations
19	LcMCII-1 is involved in the ROS-dependent senescence of the rudimentary leaves of Litchi chinensis. Plant Cell Reports, 2017, 36, 89-102.	5.6	11
20	Functional analysis of a homologue of the FLORICAULA/LEAFY gene in litchi (Litchi chinensis Sonn.) revealing its significance in early flowering process. Genes and Genomics, 2018, 40, 1259-1267.	1.4	10
21	A systematic comparison of embryogenic and non-embryogenic cells of banana (Musa spp. AAA): Ultrastructural, biochemical and cell wall component analyses. Scientia Horticulturae, 2013, 159, 178-185.	3.6	9
22	Genome-Wide Transcriptomic Analysis Reveals a Regulatory Network of Oxidative Stress-Induced Flowering Signals Produced in Litchi Leaves. Genes, 2020, 11, 324.	2.4	9
23	Development of molecular markers based on the promoter difference of LcFT1 to discriminate easy- and difficult-flowering litchi germplasm resources and its application in crossbreeding. BMC Plant Biology, 2021, 21, 539.	3.6	6
24	Metabolomics Analysis of Litchi Leaves during Floral Induction Reveals Metabolic Improvement by Stem Girdling. Molecules, 2021, 26, 4048.	3.8	5
25	Changes in Homogalacturonan Metabolism in Banana Peel during Fruit Development and Ripening. International Journal of Molecular Sciences, 2022, 23, 243.	4.1	5
26	Litchi Flowering is Regulated by Expression of Short Vegetative Phase Genes. Journal of the American Society for Horticultural Science, 2018, 143, 101-109.	1.0	4
27	Identification of Genes Involved in Low Temperature-Induced Senescence of Panicle Leaf in Litchi chinensis. Genes, 2019, 10, 111.	2.4	2
28	Acceleration of Carbon Fixation in Chilling-Sensitive Banana under Mild and Moderate Chilling Stresses. International Journal of Molecular Sciences, 2020, 21, 9326.	4.1	1
29	Identification of Chilling Accumulation-Associated Genes for Litchi Flowering by Transcriptome-Based Genome-Wide Association Studies. Frontiers in Plant Science, 2022, 13, 819188.	3.6	1