Hong-Hwa Chen

List of Publications by Year
in descending order

68	3,121	172457	161849
papers	citations	29 h-index	54 g-index

72	72	72	2435
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The genome sequence of the orchid Phalaenopsis equestris. Nature Genetics, 2015, 47, 65-72.	21.4	413
2	The Chloroplast Genome of Phalaenopsis aphrodite (Orchidaceae): Comparative Analysis of Evolutionary Rate with that of Grasses and Its Phylogenetic Implications. Molecular Biology and Evolution, 2006, 23, 279-291.	8.9	301
3	Three R2R3-MYB Transcription Factors Regulate Distinct Floral Pigmentation Patterning in Phalaenopsis spp. Â. Plant Physiology, 2015, 168, 175-191.	4.8	156
4	Four DEF-Like MADS Box Genes Displayed Distinct Floral Morphogenetic Roles in Phalaenopsis Orchid. Plant and Cell Physiology, 2004, 45, 831-844.	3.1	154
5	PeMADS6, a GLOBOSA/PISTILLATA-like Gene in Phalaenopsis equestris Involved in Petaloid Formation, and Correlated with Flower Longevity and Ovary Development. Plant and Cell Physiology, 2005, 46, 1125-1139.	3.1	118
6	Flower development of Phalaenopsis orchid involves functionally divergent <scp>SEPALLATA</scp>â€like genes. New Phytologist, 2014, 202, 1024-1042.	7.3	113
7	Research on Orchid Biology and Biotechnology. Plant and Cell Physiology, 2011, 52, 1467-1486.	3.1	101
8	Strategies for Functional Validation of Genes Involved in Reproductive Stages of Orchids. Plant Physiology, 2007, 143, 558-569.	4.8	97
9	The Duplicated B-class MADS-Box Genes Display Dualistic Characters in Orchid Floral Organ Identity and Growth. Plant and Cell Physiology, 2011, 52, 1515-1531.	3.1	89
10	A novel homodimeric geranyl diphosphate synthase from the orchid Phalaenopsis bellina lacking a DD(X)_{2â€“4}D motif. Plant Journal, 2008, 55, 719-733.	5.7	86
11	Comparison of transcripts in Phalaenopsis bellina and Phalaenopsis equestris (Orchidaceae) flowers to deduce monoterpene biosynthesis pathway. BMC Plant Biology, 2006, 6, 14.	3.6	83
12	OrchidBase: A Collection of Sequences of the Transcriptome Derived from Orchids. Plant and Cell Physiology, 2011, 52, 238-243.	3.1	78
13	OrchidBase 2.0: Comprehensive Collection of Orchidaceae Floral Transcriptomes. Plant and Cell Physiology, 2013, 54, e7-e7.	3.1	76
14	Analysis of the Complete Genome Sequence of the Hz-1 Virus Suggests that It Is Related to Members of the Baculoviridae. Journal of Virology, 2002, 76, 9024-9034.	3.4	74
15	PbbHLH4 regulates floral monoterpene biosynthesis in Phalaenopsis orchids. Journal of Experimental Botany, 2018, 69, 4363-4377.	4.8	66
16	Downregulation of putative UDP-glucose: flavonoid 3-O-glucosyltransferase gene alters flower coloring in Phalaenopsis. Plant Cell Reports, 2011, 30, 1007-1017.	5.6	58
17	Interactions of B-class complex proteins involved in tepal development in Phalaenopsis orchid. Plant and Cell Physiology, 2008, 49, 814-824.	3.1	57
18	Understanding bamboo flowering based on large-scale analysis of expressed sequence tags. Genetics and Molecular Research, 2010, 9, 1085-1093.	0.2	57

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19	An overview of the Phalaenopsisorchid genome through BAC end sequence analysis. BMC Plant Biology, 2011, 11, 3.	3.6	51
20	Gene discovery using next-generation pyrosequencing to develop ESTs for Phalaenopsis orchids. BMC Genomics, 2011, 12, 360.	2.8	50
21	Optimizing virus-induced gene silencing efficiency with Cymbidium mosaic virus in Phalaenopsis flower. Plant Science, 2013, 201-202, 25-41.	3.6	47
22	Expression analysis of the ESTs derived from the flower buds of Phalaenopsis equestris. Plant Science, 2006, 170, 426-432.	3.6	43
23	A High-Throughput Virus-Induced Gene-Silencing Vector for Screening Transcription Factors in Virus-Induced Plant Defense Response in Orchid. Molecular Plant-Microbe Interactions, 2012, 25, 738-746.	2.6	42
24	The role of ethylene in orchid ovule development. Plant Science, 2008, 175, 98-105.	3.6	40
25	Virus-induced gene silencing unravels multiple transcription factors involved in floral growth and development in Phalaenopsis orchids. Journal of Experimental Botany, 2013, 64, 3869-3884.	4.8	38
26	A 2.9-Kilobase Noncoding Nuclear RNA Functions in the Establishment of Persistent Hz-1 Viral Infection. Journal of Virology, 1998, 72, 2233-2245.	3.4	35
27	RNA sequencing analysis of Cymbidium goeringii identifies floral scent biosynthesis related genes. BMC Plant Biology, 2019, 19, 337.	3.6	35
28	Osmotic sucrose enhancement of single-cell embryogenesis and transformation efficiency in Oncidium. Plant Cell, Tissue and Organ Culture, 2005, 81, 183-192.	2.3	34
29	The Orchid MADS-Box Genes Controlling Floral Morphogenesis. Scientific World Journal, The, 2006, 6, 1933-1944.	2.1	34
30	A HORT1 Retrotransposon Insertion in the PeMYB11 Promoter Causes Harlequin/Black Flowers in Phalaenopsis Orchids. Plant Physiology, 2019, 180, 1535-1548.	4.8	34
31	Diurnal regulation of the floral scent emission by light and circadian rhythm in the Phalaenopsis orchids. , 2017, 58, 50.		31
32	Post genomics era for orchid research. , 2017, 58, 61.		29
33	Persistent Baculovirus Infection Results from Deletion of the Apoptotic Suppressor Gene p35. Journal of Virology, 1998, 72, 9157-9165.	3.4	27
34	An integrated map of Oryza sativa L. chromosome 5. Theoretical and Applied Genetics, 2006, 112, 891-902.	3.6	27
35	Histone Acetylation Accompanied with Promoter Sequences Displaying Differential Expression Profiles of B-Class MADS-Box Genes for Phalaenopsis Floral Morphogenesis. PLoS ONE, 2014, 9, e106033.	2.5	24
36	Assessment of violet-blue color formation in Phalaenopsis orchids. BMC Plant Biology, 2020, 20, 212.	3.6	22

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37	The Early Gene hhi1 Reactivates Heliothis zea Nudivirus 1 in Latently Infected Cells. Journal of Virology, 2010, 84, 1057-1065.	3.4	20
38	Evolution of Terpene Synthases in Orchidaceae. International Journal of Molecular Sciences, 2021, 22, 6947.	4.1	19
39	Differential gene expression analysis by cDNA-AFLP between flower buds of Phalaenopsis Hsiang Fei cv. H. F. and its somaclonal variant. Plant Science, 2008, 175, 415-422.	3.6	18
40	The NPR1 ortholog PhaNPR1 is required for the induction of PhaPR1 in Phalaenopsis aphrodite. , 2013, 54, 31.		18
41	Molecular Biology of Orchid Flowers. Advances in Botanical Research, 2008, 47, 99-145.	1.1	17
42	Transcriptomic analysis of floral organs from Phalaenopsis orchid by using oligonucleotide microarray. Gene, 2013, 518, 91-100.	2.2	17
43	An efficient RNA interference screening strategy for gene functional analysis. BMC Genomics, 2012, 13, 491.	2.8	16
44	A fine physical map of the rice chromosome 5. Molecular Genetics and Genomics, 2005, 274, 337-345.	2.1	14
45	Alpha-tocopherol downregulates the expression of GPIIb promoter in HEL cells. Free Radical Biology and Medicine, 2000, 28, 202-207.	2.9	13
46	A Dual Repeat Cis-Element Determines Expression of GERANYL DIPHOSPHATE SYNTHASE for Monoterpene Production in Phalaenopsis Orchids. Frontiers in Plant Science, 2018, 9, 765.	3.6	13
47	Terpene Synthase-b and Terpene Synthase-e/f Genes Produce Monoterpenes for Phalaenopsis bellina Floral Scent. Frontiers in Plant Science, 2021, 12, 700958.	3.6	13
48	Functional role of a non-active site residue Trp23 on the enzyme activity of Escherichia coli thioesterase I/protease I/lysophospholipase L1. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1467-1473.	2.3	12
49	Vitamin B6 Down-Regulates the Expression of Human GPIIb Gene.. Journal of Nutritional Science and Vitaminology, 1999, 45, 471-479.	0.6	11
50	KSPF: using gene sequence patterns and data mining for biological knowledge management. Expert Systems With Applications, 2005, 28, 537-545.	7.6	11
51	OrchidBase 4.0: a database for orchid genomics and molecular biology. BMC Plant Biology, 2021, 21, 371.	3.6	10
52	The thymidylate synthase gene of Hz-1 virus: A gene captured from its lepidopteran host. Insect Molecular Biology, 2001, 10, 495-503.	2.0	8
53	AFLP fingerprinting and conversion to sequence-tag site markers for the identification ofOncidiumcultivars. Journal of Horticultural Science and Biotechnology, 2006, 81, 791-796.	1.9	7
54	PePIF1, a P-lineage of PIF-like transposable element identified in protocorm-like bodies of Phalaenopsis orchids. BMC Genomics, 2019, 20, 25.	2.8	6

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55	PeERF1, a SHINE-Like Transcription Factor, Is Involved in Nanoridge Development on Lip Epidermis of Phalaenopsis Flowers. Frontiers in Plant Science, 2020, 10, 1709.	3.6	6
56	High-density genetic map and genome-wide association studies of aesthetic traits in Phalaenopsis orchids. Scientific Reports, 2022, 12, 3346.	3.3	6
57	Identification of high-copy number long terminal repeat retrotransposons and their expansion in Phalaenopsis orchids. BMC Genomics, 2020, 21, 807.	2.8	5
58	Flower Color and Pigmentation Patterns in Phalaenopsis Orchids. , 2017, , 393-420.		4
59	Chemical Constituents From Phalaenopsis Hybrids and Their Bioactivities. Natural Product Communications, 2019, 14, 1934578X1985068.	0.5	3
60	Analysis of Expression of Phalaenopsis Floral ESTs. , 2007, , 145-161.		3
61	Application of Virus-induced Gene Silencing Technology in Gene Functional Validation of Orchids. , 2007, , 211-223.		3
62	Develop an efficient inoculation technique for Fusarium solani isolate â€œTJP-2178-10â€•pathogeny assessment in Phalaenopsis orchids. , 2021, 62, 4.		2
63	Negative regulatory regions of the PAT1 promoter of Hz-1 virus contain GATA elements which associate with cellular factors and regulate promoter activity. Journal of General Virology, 2001, 82, 313-320.	2.9	2
64	Orchid MADS-Box Genes Controlling Floral Morphogenesis. , 2007, , 163-183.		2
65	Biosynthetic Regulation of Floral Scent in Phalaenopsis. , 2011, , 145-180.		1
66	Flower Development of Phalaenopsis Orchids Involves Functionally Divergent B-Class and E-Class MADS-Box Genes. , 2017, , 251-288.		1
67	The Relationship Between Ethylene and Orchid Ovule Development. , 2011, , 229-251.		0
68	Application of VIGS to Floral Gene Function Studies of the Orchid, a Nonmodel Plant. , 2017, , 341-372.		0