

Guo-Hua Chai

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,115
citations

471509

17
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

1407
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive analysis of CCCH zinc finger family in poplar (<i>Populus trichocarpa</i>). <i>BMC Genomics</i> , 2012, 13, 253.	2.8	96
2	Genome-wide identification, classification, and expression analysis of CDPK and its closely related gene families in poplar (<i>Populus trichocarpa</i>). <i>Molecular Biology Reports</i> , 2013, 40, 2645-2662.	2.3	96
3	CELLULOSE SYNTHASE-LIKE A2, a Glucomannan Synthase, Is Involved in Maintaining Adherent Mucilage Structure in <i>Arabidopsis</i> Seed. <i>Plant Physiology</i> , 2014, 164, 1842-1856.	4.8	93
4	Identification and characterization of a novel heat shock transcription factor gene, GmHsfA1, in soybeans (<i>Glycine max</i>). <i>Journal of Plant Research</i> , 2006, 119, 247-256.	2.4	90
5	Metabolomics Integrated with Transcriptomics Reveals Redirection of the Phenylpropanoids Metabolic Flux in <i>Ginkgo biloba</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3284-3291.	5.2	85
6	Genome-Wide Identification, Evolutionary Expansion, and Expression Profile of Homeodomain-Leucine Zipper Gene Family in Poplar (<i>Populus trichocarpa</i>). <i>PLoS ONE</i> , 2012, 7, e31149.	2.5	81
7	Poplar <i>PdC3H17</i> and <i>PdC3H18</i> are direct targets of <i>PdMYB3</i> and <i>PdMYB21</i> , and positively regulate secondary wall formation in <i>Arabidopsis</i> and poplar. <i>New Phytologist</i> , 2014, 203, 520-534.	7.3	75
8	R2R3-MYB gene pairs in <i>Populus</i> : evolution and contribution to secondary wall formation and flowering time. <i>Journal of Experimental Botany</i> , 2014, 65, 4255-4269.	4.8	68
9	<i>Arabidopsis</i> C3H14 and C3H15 have overlapping roles in the regulation of secondary wall thickening and anther development. <i>Journal of Experimental Botany</i> , 2015, 66, 2595-2609.	4.8	66
10	Poplar <i>PdMYB221</i> is involved in the direct and indirect regulation of secondary wall biosynthesis during wood formation. <i>Scientific Reports</i> , 2015, 5, 12240.	3.3	52
11	<i>MYB52</i> Negatively Regulates Pectin Demethylesterification in Seed Coat Mucilage. <i>Plant Physiology</i> , 2018, 176, 2737-2749.	4.8	44
12	<i>Miscanthus</i> NAC transcription factor MINAC12 positively mediates abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2018, 277, 229-241.	3.6	41
13	Dual regulation of xylem formation by an auxin-mediated <i>PaC3H17</i> – <i>PaMYB199</i> module in <i>Populus</i> . <i>New Phytologist</i> , 2020, 225, 1545-1561.	7.3	27
14	Vascular Cambium: The Source of Wood Formation. <i>Frontiers in Plant Science</i> , 2021, 12, 700928.	3.6	27
15	Genome-Wide Analysis of <i>Sorghum</i> GT47 Family Reveals Functional Divergences of MUR3-Like Genes. <i>Frontiers in Plant Science</i> , 2018, 9, 1773.	3.6	25
16	Brassica <i>GLABRA2</i> genes: analysis of function related to seed oil content and development of functional markers. <i>Theoretical and Applied Genetics</i> , 2010, 120, 1597-1610.	3.6	24
17	The <i>Arabidopsis</i> <i>CCCH</i> protein <i>C3H14</i> contributes to basal defense against <i>Botrytis cinerea</i> mainly through the <i>WRKY33</i> -dependent pathway. <i>Plant, Cell and Environment</i> , 2020, 43, 1792-1806.	5.7	19
18	Cell wall polysaccharide distribution in <i>Miscanthus lutarioriparius</i> stem using immuno-detection. <i>Plant Cell Reports</i> , 2014, 33, 643-653.	5.6	15

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19	Overexpression of PdC3H17 Confers Tolerance to Drought Stress Depending on Its CCCH Domain in Populus. <i>Frontiers in Plant Science</i> , 2019, 10, 1748.	3.6	14
20	Integrated transcriptome and proteome analysis reveals brassinosteroid-mediated regulation of cambium initiation and patterning in woody stem.. <i>Horticulture Research</i> , 2022, 9, .	6.3	11
21	Two poplar cellulose synthase-like D genes, PdCSLD5 and PdCSLD6, are functionally conserved with Arabidopsis CSLD3. <i>Journal of Plant Physiology</i> , 2013, 170, 1267-1276.	3.5	10
22	The CCCH zinc finger protein C3H15 negatively regulates cell elongation by inhibiting brassinosteroid signaling. <i>Plant Physiology</i> , 2022, 189, 285-300.	4.8	10
23	Metabolic engineering of 2-phenylethanol pathway producing fragrance chemical and reducing lignin in Arabidopsis. <i>Plant Cell Reports</i> , 2015, 34, 1331-1342.	5.6	7
24	MUD1, a RING-v E3 ubiquitin ligase, has an important role in the regulation of pectin methylesterification in Arabidopsis seed coat mucilage. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 230-238.	5.8	6
25	Phosphorylation-mediated inactivation of C3H14 by MPK4 enhances bacterial-triggered immunity in Arabidopsis. <i>Plant Physiology</i> , 2022, 190, 1941-1959.	4.8	6
26	MYB42 inhibits hypocotyl cell elongation by coordinating brassinosteroid homeostasis and signalling in <i>Arabidopsis thaliana</i> . <i>Annals of Botany</i> , 2022, 129, 403-413.	2.9	5
27	Brassinosteroid Signaling Converges With Auxin-Mediated C3H17 to Regulate Xylem Formation in Populus. <i>Frontiers in Plant Science</i> , 2020, 11, 586014.	3.6	4
28	The role of senescence-associated gene101 (<i>PagSAG101a</i>) in the regulation of secondary xylem formation in poplar. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 73-86.	8.5	4
29	Wood forming tissue-specific expression of PdSuSy and HCHL increases holocellulose content and improves saccharification in Populus. <i>Journal of Forestry Research</i> , 2020, 32, 1681.	3.6	3
30	Cultivation and Evaluation of a High-Value Ginkgo biloba Variety "ZY 1". <i>Journal of Agricultural Science</i> , 2018, 10, 114.	0.2	3
31	A High-Throughput Screening System for Populus Wood-Associated Transcription Factors and Its Application to Lignin Regulation. <i>Frontiers in Plant Science</i> , 2021, 12, 715809.	3.6	2