

# 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  | 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         |
| 2  | 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        |
| 3  | 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        |
| 4  | 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         |
| 5  | Phosphorylation-mediated inactivation of C3H14 by MPK4 enhances bacterial-triggered immunity in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2022, 190, 1941-1959.  | 4.8 | 6         |
| 6  | Vascular Cambium: The Source of Wood Formation. <i>Frontiers in Plant Science</i> , 2021, 12, 700928.   | 3.6 | 27        |
| 7  | MUD1, a RING-v E3 ubiquitin ligase, has an important role in the regulation of pectin methylesterification in <i>Arabidopsis</i> seed coat mucilage. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 230-238. | 5.8 | 6         |
| 8  | A High-Throughput Screening System for <i>Populus</i> Wood-Associated Transcription Factors and Its Application to Lignin Regulation. <i>Frontiers in Plant Science</i> , 2021, 12, 715809.                         | 3.6 | 2         |
| 9  | Dual regulation of xylem formation by an auxin-mediated <i>Pa</i> C3H17- <i>Pa</i> MYB199 module in <i>Populus</i> . <i>New Phytologist</i> , 2020, 225, 1545-1561.   | 7.3 | 27        |
| 10 | Brassinosteroid Signaling Converges With Auxin-Mediated C3H17 to Regulate Xylem Formation in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 586014.   | 3.6 | 4         |
| 11 | Wood forming tissue-specific expression of PdSuSy and HCHL increases holocellulose content and improves saccharification in <i>Populus</i> . <i>Journal of Forestry Research</i> , 2020, 32, 1681.                  | 3.6 | 3         |
| 12 | The <i>Arabidopsis</i> CCCH protein C3H14 contributes to basal defense against <i>Botrytis cinerea</i> mainly through the WRKY33-dependent pathway. <i>Plant, Cell and Environment</i> , 2020, 43, 1792-1806.       | 5.7 | 19        |
| 13 | 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        |
| 14 | Overexpression of PdC3H17 Confers Tolerance to Drought Stress Depending on Its CCCH Domain in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1748.  | 3.6 | 14        |
| 15 | <i>MYB52</i> Negatively Regulates Pectin Demethylesterification in Seed Coat Mucilage. <i>Plant Physiology</i> , 2018, 176, 2737-2749.  | 4.8 | 44        |
| 16 | Genome-Wide Analysis of Sorghum GT47 Family Reveals Functional Divergences of MUR3-Like Genes. <i>Frontiers in Plant Science</i> , 2018, 9, 1773.   | 3.6 | 25        |
| 17 | <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        |
| 18 | Cultivation and Evaluation of a High-Value <i>Ginkgo biloba</i> Variety ‘ZY 1#’. <i>Journal of Agricultural Science</i> , 2018, 10, 114.  | 0.2 | 3         |

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|----|--|-----|-----------|
| 19 | 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         |
| 20 | Arabidopsis 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        |
| 21 | Poplar PdMYB221 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        |
| 22 | R2R3-MYB gene pairs in Populus: evolution and contribution to secondary wall formation and flowering time. <i>Journal of Experimental Botany</i> , 2014, 65, 4255-4269.  | 4.8 | 68        |
| 23 | 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        |
| 24 | CELLULOSE SYNTHASE-LIKE A2, a Glucomannan Synthase, Is Involved in Maintaining Adherent Mucilage Structure in Arabidopsis Seed. <i>Plant Physiology</i> , 2014, 164, 1842-1856.  | 4.8 | 93        |
| 25 | 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 Arabidopsis and poplar. <i>New Phytologist</i> , 2014, 203, 520-534. | 7.3 | 75        |
| 26 | Two poplar cellulose synthase-like D genes, <i>PdCSLD5</i> and <i>PdCSLD6</i> , are functionally conserved with Arabidopsis <i>CSLD3</i> . <i>Journal of Plant Physiology</i> , 2013, 170, 1267-1276.                      | 3.5 | 10        |
| 27 | 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        |
| 28 | Comprehensive analysis of CCCH zinc finger family in poplar ( <i>Populus trichocarpa</i> ). <i>BMC Genomics</i> , 2012, 13, 253.   | 2.8 | 96        |
| 29 | 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        |
| 30 | 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        |
| 31 | Identification and characterization of a novel heat shock transcription factor gene, <i>GmHsfA1</i> , in soybeans ( <i>Glycine max</i> ). <i>Journal of Plant Research</i> , 2006, 119, 247-256.                           | 2.4 | 90        |