

Chuanping Yang

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,785
citations

218677

26
h-index

302126

39
g-index

72
all docs

72
docs citations

72
times ranked

2160
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of the MYB transcription factor gene BpMYB46 affects abiotic stress tolerance and secondary cell wall deposition in <i>Betula platyphylla</i> . <i>Plant Biotechnology Journal</i> , 2017, 15, 107-121.	8.3	154
2	A novel bZIP gene from <i>Tamarix hispida</i> mediates physiological responses to salt stress in tobacco plants. <i>Journal of Plant Physiology</i> , 2010, 167, 222-230.	3.5	140
3	Overexpression of a GST gene (ThGSTZ1) from <i>Tamarix hispida</i> improves drought and salinity tolerance by enhancing the ability to scavenge reactive oxygen species. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 99-112.	2.3	108
4	BpNAC012 Positively Regulates Abiotic Stress Responses and Secondary Wall Biosynthesis. <i>Plant Physiology</i> , 2019, 179, 700-717.	4.8	68
5	Genome sequence and evolution of <i>Betula platyphylla</i> . <i>Horticulture Research</i> , 2021, 8, 37.	6.3	53
6	Characterization of early transcriptional responses to cadmium in the root and leaf of Cd-resistant <i>Salix matsudana</i> Koidz. <i>BMC Genomics</i> , 2015, 16, 705.	2.8	52
7	Expression profiling of salinity-alkali stress responses by large-scale expressed sequence tag analysis in <i>Tamarix hispida</i> . <i>Plant Molecular Biology</i> , 2008, 66, 245-258.	3.9	51
8	Cloning of Ten Peroxidase (POD) Genes from <i>Tamarix hispida</i> and Characterization of their Responses to Abiotic Stress. <i>Plant Molecular Biology Reporter</i> , 2010, 28, 77-89.	1.8	51
9	Cytological and Proteomic Analyses of <i>Osmunda cinnamomea</i> Germinating Spores Reveal Characteristics of Fern Spore Germination and Rhizoid Tip Growth*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2510-2534.	3.8	51
10	Development of a cDNA microarray to identify gene expression of <i>Puccinellia tenuiflora</i> under saline-alkali stress. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 567-576.	5.8	49
11	The Conserved Endoribonuclease YbeY Is Required for Chloroplast Ribosomal RNA Processing in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 168, 205-221.	4.8	49
12	Identification of expressed sequence tags in an alkali grass (<i>Puccinellia tenuiflora</i>) cDNA library. <i>Journal of Plant Physiology</i> , 2007, 164, 78-89.	3.5	45
13	<i>Tamarix hispida</i> metallothionein-like ThMT3, a reactive oxygen species scavenger, increases tolerance against Cd ²⁺ , Zn ²⁺ , Cu ²⁺ , and NaCl in transgenic yeast. <i>Molecular Biology Reports</i> , 2011, 38, 1567-1574.	2.3	45
14	Comprehensive analysis of trihelix genes and their expression under biotic and abiotic stresses in <i>Populus trichocarpa</i> . <i>Scientific Reports</i> , 2016, 6, 36274.	3.3	44
15	Sequence and expression analysis of the AMT gene family in poplar. <i>Frontiers in Plant Science</i> , 2015, 6, 337.	3.6	43
16	Overexpression of a heat shock protein (ThHSP18.3) from <i>Tamarix hispida</i> confers stress tolerance to yeast. <i>Molecular Biology Reports</i> , 2012, 39, 4889-4897.	2.3	41
17	Overexpression of the <i>Tamarix hispida</i> ThMT3 gene increases copper tolerance and adventitious root induction in <i>Salix matsudana</i> Koidz.. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 469-479.	2.3	35
18	Exogenous GA3 Application Enhances Xylem Development and Induces the Expression of Secondary Wall Biosynthesis Related Genes in <i>Betula platyphylla</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 22960-22975.	4.1	34

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19	Functional characterization of a plasma membrane Na ⁺ /H ⁺ antiporter from alkali grass (<i>Puccinellia</i>) Tj ETQq1 1 0.784314 rgBT ₃₃ /Overloc	2.3	33
20	Complete chloroplast genome sequence of <i>Betula platyphylla</i> : gene organization, RNA editing, and comparative and phylogenetic analyses. <i>BMC Genomics</i> , 2018, 19, 950.	2.8	33
21	The Effect of Poplar PsnGS1.2 Overexpression on Growth, Secondary Cell Wall, and Fiber Characteristics in Tobacco. <i>Frontiers in Plant Science</i> , 2018, 9, 9.	3.6	33
22	Cloning and expression analysis of 14 lipid transfer protein genes from <i>Tamarix hispida</i> responding to different abiotic stresses. <i>Tree Physiology</i> , 2009, 29, 1607-1619.	3.1	32
23	The rooting of poplar cuttings: a review. <i>New Forests</i> , 2014, 45, 21-34.	1.7	31
24	Cloning and Functional Characterization of a Novel Glutathione S-Transferase Gene from <i>Limonium bicolor</i> . <i>Plant Molecular Biology Reporter</i> , 2011, 29, 77-87.	1.8	30
25	Identification of genes regulated by histone acetylation during root development in <i>Populus trichocarpa</i> . <i>BMC Genomics</i> , 2016, 17, 96.	2.8	28
26	<i>Agrobacterium tumefaciens</i> -mediated genetic transformation of <i>Salix matsudana</i> Koidz. using mature seeds. <i>Tree Physiology</i> , 2013, 33, 628-639.	3.1	27
27	Generation and analysis of expressed sequence tags from a NaHCO ₃ -treated <i>Limonium bicolor</i> cDNA library. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 977-986.	5.8	25
28	Isolation and Characterization of Expressed Sequence Tags (ESTs) from Cambium Tissue of Birch (<i>Betula platyphylla</i> Suk). <i>Plant Molecular Biology Reporter</i> , 2010, 28, 438-449.	1.8	24
29	Designing Microarray and RNA-Seq Experiments for Greater Systems Biology Discovery in Modern Plant Genomics. <i>Molecular Plant</i> , 2015, 8, 196-206.	8.3	24
30	Comparative Analysis of Growth and Photosynthetic Characteristics of (<i>Populus simonii</i> Å— <i>P. nigra</i>) Å— (<i>P. nigra</i> Å— <i>P. simonii</i>) Hybrid Clones of Different Ploidides. <i>PLoS ONE</i> , 2015, 10, e0119259.	2.5	23
31	Genome-wide characterization of aspartic protease (AP) gene family in <i>Populus trichocarpa</i> and identification of the potential PtAPs involved in wood formation. <i>BMC Plant Biology</i> , 2019, 19, 276.	3.6	23
32	Comparative proteomic analysis of <i>Populus trichocarpa</i> early stem from primary to secondary growth. <i>Journal of Proteomics</i> , 2015, 126, 94-108.	2.4	22
33	Comprehensive Transcriptome Analysis of Developing Xylem Responding to Artificial Bending and Gravitational Stimuli in <i>Betula platyphylla</i> . <i>PLoS ONE</i> , 2014, 9, e87566.	2.5	20
34	Genetic Linkage Maps of <i>Betula platyphylla</i> Suk Based on ISSR and AFLP Markers. <i>Plant Molecular Biology Reporter</i> , 2010, 28, 169-175.	1.8	19
35	Identification and Characterization of the APX Gene Family and Its Expression Pattern under Phytohormone Treatment and Abiotic Stress in <i>Populus trichocarpa</i> . <i>Genes</i> , 2021, 12, 334.	2.4	19
36	Identification of novel cis-elements bound by BpIMYB46 involved in abiotic stress responses and secondary wall deposition. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 1000-1014.	8.5	18

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37	Four Novel Cellulose Synthase (CESA) Genes from Birch (<i>Betula platyphylla</i> Suk.) Involved in Primary and Secondary Cell Wall Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 12195-12212.	4.1	17
38	Shotgun Bisulfite Sequencing of the <i>Betula platyphylla</i> Genome Reveals the Tree's DNA Methylation Patterning. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22874-22886.	4.1	15
39	Time-Course Analysis of Levels of Indole-3-Acetic Acid and Expression of Auxin-Responsive GH3 Genes in <i>Betula platyphylla</i> . <i>Plant Molecular Biology Reporter</i> , 2011, 29, 898-905.	1.8	13
40	Expression analysis of the BpARF genes in <i>Betula platyphylla</i> under drought stress. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 273-281.	5.8	13
41	Progeny performance and selection of superior trees within families in <i>Larix olgensis</i> . <i>Euphytica</i> , 2020, 216, 1.	1.2	11
42	Genetic stability of <i>Larix olgensis</i> provenances planted in different sites in northeast China. <i>Forest Ecology and Management</i> , 2021, 485, 118988.	3.2	11
43	Genome-wide identification and expression profile analysis of <i>CCH</i> gene family in <i>Populus</i> . <i>PeerJ</i> , 2017, 5, e3962.	2.0	11
44	Building an mRNA transcriptome from the shoots of <i>Betula platyphylla</i> by using Solexa technology. <i>Tree Genetics and Genomes</i> , 2012, 8, 1031-1040.	1.6	10
45	Overexpression of ThGSTZ1 from <i>Tamarix hispida</i> improves tolerance to exogenous ABA and methyl viologen. <i>Trees - Structure and Function</i> , 2016, 30, 1935-1944.	1.9	10
46	Genome Survey Sequencing of <i>Betula platyphylla</i> . <i>Forests</i> , 2019, 10, 826.	2.1	10
47	Functional roles of the birch BpRAV1 transcription factor in salt and osmotic stress response. <i>Plant Science</i> , 2022, 315, 111131.	3.6	10
48	Analysis of three types of triterpenoids in tetraploid white birches (<i>Betula platyphylla</i> Suk.) and selection of plus trees. <i>Journal of Forestry Research</i> , 2015, 26, 623-633.	3.6	9
49	Identification, phylogeny, and transcript profiling of aquaporin genes in response to abiotic stress in <i>Tamarix hispida</i> . <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	1.6	7
50	PtrHAT22, as a higher hierarchy regulator, coordinately regulates secondary cell wall component biosynthesis in <i>Populus trichocarpa</i> . <i>Plant Science</i> , 2022, 316, 111170.	3.6	7
51	Clonal variations in nutritional components of <i>Pinus koreansis</i> seeds collected from seed orchards in Northeastern China. <i>Journal of Forestry Research</i> , 2016, 27, 295-311.	3.6	6
52	Chloroplast (Cp) Transcriptome of <i>P. davidiana</i> Dode— <i>P. bolleana</i> Lauch provides insight into the Cp drought response and <i>Populus</i> Cp phylogeny. <i>BMC Evolutionary Biology</i> , 2020, 20, 51.	3.2	5
53	Genetic variation and superior provenances selection for wood properties of <i>Larix olgensis</i> at four trials. <i>Journal of Forestry Research</i> , 2022, 33, 1867-1879.	3.6	5
54	Investigation of anti-salt stress on tetraploid <i>Robinia pseudoacacia</i> . <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 227-235.	0.2	4

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55	A letter to readers and authors of Journal of Forestry Research. Journal of Forestry Research, 2014, 25, 1-2.	3.6	4
56	Qu-2, a robust poplar suspension cell line for molecular biology. Journal of Forestry Research, 2021, 32, 733-740.	3.6	4
57	Effects of different nitrogen forms and concentrations on seedling growth traits and physiological characteristics of <i>Populus simonii</i> — <i>P. nigra</i> . Journal of Forestry Research, 2022, 33, 1593-1606.	3.6	4
58	Identification of genes associated with male sterility in a mutant of white birch (<i>Betula platyphylla</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	3
59	Gene expression profiles in different stem internodes reveal the genetic regulation of primary and secondary stem development in <i>Betula platyphylla</i> . Tree Genetics and Genomes, 2016, 12, 1.	1.6	3
60	Functional Characterisation of the Poplar Atypical Aspartic Protease Gene PtAP66 in Wood Secondary Cell Wall Deposition. Forests, 2021, 12, 1002.	2.1	3
61	Effect of Hormones on Tumor Formation in Tobacco Hybrids. Journal of Plant Biochemistry and Biotechnology, 2009, 18, 169-173.	1.7	2
62	Investigation of temporal variations in endogenous gibberellin A3 and A4 in the leaves of birch (<i>Betula</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	2
63	Designing Microarray and RNA-seq Experiments for Greater Systems Biology Discovery in Modern Plant Genomics. Molecular Plant, 2014, , .	8.3	2
64	Functional characterization and expression patterns of PnATX genes under different abiotic stress treatments in <i>Populus</i> . Tree Physiology, 2020, 40, 520-537.	3.1	2
65	Bioinformatics analysis of PAE family in <i>Populus trichocarpa</i> and responsiveness to carbon and nitrogen treatment. 3 Biotech, 2021, 11, 370.	2.2	2
66	Cloning and sequence analysis of gene encoding plasma aquaporin of <i>Tamarix albiflorum</i> . Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2007, 2, 217-221.	0.2	1
67	Two novel eukaryotic translation initiation factor 5A genes from <i>Populus simonii</i> — <i>P. nigra</i> confer tolerance to abiotic stresses in <i>Saccharomyces cerevisiae</i> . Journal of Forestry Research, 2017, 28, 453-463.	3.6	1
68	Optimization of Poplar mRNA purification for transcriptome library construction. Acta Biochimica Et Biophysica Sinica, 2018, 50, 224-226.	2.0	1
69	Effect of mouse calcineurin on induction and growth of rice callus transformed by the calcineurin gene. Plant Cell, Tissue and Organ Culture, 2006, 86, 1-6.	2.3	0
70	Molecular characterization and fermentative hydrogen production of a wild anaerobe in clostridium genus. Frontiers of Energy and Power Engineering in China, 2007, 1, 403-407.	0.4	0
71	Identification and expression analysis of the PtGATL genes under different nitrogen and carbon dioxide treatments in <i>Populus trichocarpa</i> . 3 Biotech, 2022, 12, 67.	2.2	0