Qiang Zhuge

List of Publications by Year
in descending order

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Version: 2024-02-01

56	976	471061	525886
papers	citations	17	27
		h-index	g-index

65	65	65	1143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. Plant Cell, Tissue and Organ Culture, 2015, 120, 141-154.	1.2	64
2	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. International Journal of Molecular Sciences, 2019, 20, 3719.	1.8	61
3	Overexpression of PtSOS2 Enhances Salt Tolerance in Transgenic Poplars. Plant Molecular Biology Reporter, 2014, 32, 185-197.	1.0	60
4	Heterologous Overexpression of Poplar SnRK2 Genes Enhanced Salt Stress Tolerance in Arabidopsis thaliana. Frontiers in Plant Science, 2016, 7, 612.	1.7	49
5	Detection of quantitative trait loci influencing growth trajectories of adventitious roots in Populus using functional mapping. Tree Genetics and Genomes, 2009, 5, 539-552.	0.6	46
6	Responses of Populus trichocarpa galactinol synthase genes to abiotic stresses. Journal of Plant Research, 2014, 127, 347-358.	1.2	38
7	RNA-directed DNA methylation in plants. Plant Cell Reports, 2015, 34, 1857-1862.	2.8	31
8	Functional Analysis of Two Orthologous NAC Genes, CarNAC3, and CarNAC6 from Cicer arietinum, Involved in Abiotic Stresses in Poplar. Plant Molecular Biology Reporter, 2015, 33, 1539-1551.	1.0	31
9	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (Triticum aestivum L.). BMC Genomics, 2020, 21, 778.	1.2	31
10	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of Populus trichocarpa. Plant Physiology and Biochemistry, 2019, 142, 94-105.	2.8	30
11	Identification and Validation of Single Nucleotide Polymorphisms in Poplar Using Publicly Expressed Sequence Tags. Journal of Integrative Plant Biology, 2005, 47, 1493-1499.	4.1	28
12	Expression profiles of two novel lipoxygenase genes in Populus deltoides. Plant Science, 2006, 170, 1027-1035.	1.7	28
13	An Efficient Agrobacterium-Mediated Transformation System for Poplar. International Journal of Molecular Sciences, 2014, 15, 10780-10793.	1.8	25
14	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in Populus trichocarpa: Overexpression of PtHMGR Enhances Terpenoids in Transgenic Poplar. Frontiers in Plant Science, 2019, 10, 1476.	1.7	25
15	Thaumatin-like protein(Pe-TLP)acts as a positive factor in transgenic poplars enhanced resistance to spots disease. Physiological and Molecular Plant Pathology, 2020, 112, 101512.	1.3	21
16	Galactinol synthase confers salt-stress tolerance by regulating the synthesis of galactinol and raffinose family oligosaccharides in poplar. Industrial Crops and Products, 2021, 165, 113432.	2.5	21
17	Overexpression of PtDXS Enhances Stress Resistance in Poplars. International Journal of Molecular Sciences, 2019, 20, 1669.	1.8	20
18	Isolation and Functional Analysis of the Poplar RbcS Gene Promoter. Plant Molecular Biology Reporter, 2013, 31, 120-127.	1.0	19

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19	Expression and characterization of the antimicrobial peptide ABP-dHC-cecropin A in the methylotrophic yeast Pichia pastoris. Protein Expression and Purification, 2017, 140, 44-51.	0.6	19
20	Plant Secondary Metabolites with an Overview of Populus. International Journal of Molecular Sciences, 2021, 22, 6890.	1.8	19
21	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury (Hyphantria cunea). Peptides, 2015, 68, 197-204.	1.2	18
22	Functional analyses of NDPK2 in Populus trichocarpa and overexpression of PtNDPK2 enhances growth and tolerance to abiotic stresses in transgenic poplar. Plant Physiology and Biochemistry, 2017, 117, 61-74.	2.8	17
23	Selective cytotoxicity of the antibacterial peptide ABP- dHC -Cecropin A and its analog towards leukemia cells. European Journal of Pharmacology, 2017, 803, 138-147.	1.7	17
24	Uneven selection pressure accelerating divergence of Populus and Salix. Horticulture Research, 2019, 6, 37.	2.9	15
25	Physical interaction between SnRK2 and PP2C is conserved in <i>Populus trichocarpa</i>. Plant Biotechnology, 2015, 32, 337-341.	0.5	14
26	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. Plant Physiology and Biochemistry, 2018, 126, 22-31.	2.8	14
27	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in Populusâ€‰Ã—â€‰euramericana cv â€˜Nanlin895â€™. Plant Biotechnology Reports, 2019, 13, 245-261.	0.9	14
28	Overexpression of PtHMGR enhances drought and salt tolerance of poplar. Annals of Botany, 2020, 125, 785-803.	1.4	14
29	Functional analyses of PtRDM1 gene overexpression in poplars and evaluation of its effect on DNA methylation and response to salt stress. Plant Physiology and Biochemistry, 2018, 127, 64-73.	2.8	13
30	Cloning and characterization of a thaumatin-like protein gene PeTLP in Populus deltoidesÂÃ—ÂP. euramericana cv. â€˜Nanlin895â€™. Acta Physiologiae Plantarum, 2013, 35, 2985-2998.	1.0	12
31	In vitro production and antifungal activity of peptide ABP-dHC-cecropin A. Journal of Biotechnology, 2015, 199, 47-54.	1.9	12
32	Characterization, Expression Profiling, and Functional Analysis of PtDef, a Defensin-Encoding Gene From Populus trichocarpa. Frontiers in Microbiology, 2020, 11, 106.	1.5	12
33	High-level SUMO-mediated fusion expression of ABP-dHC-cecropin A from multiple joined genes in Escherichia coli. Analytical Biochemistry, 2016, 509, 15-23.	1.1	11
34	Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. Plant Science, 2020, 292, 110379.	1.7	10
35	Characterization, expression profiling, and functional analysis of a Populus trichocarpa defensin gene and its potential as an anti-Agrobacterium rooting medium additive. Scientific Reports, 2019, 9, 15359.	1.6	9
36	Genome-Wide Characterization of Dirigent Proteins in Populus: Gene Expression Variation and Expression Pattern in Response to Marssonina brunnea and Phytohormones. Forests, 2021, 12, 507.	0.9	9

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37	Characterization, expression, and functional analysis of the pathogenesis-related gene PtDIR11 in transgenic poplar. International Journal of Biological Macromolecules, 2022, 210, 182-195.	3.6	9
38	Plant small RNAs: definition, classification and response against stresses. Biologia (Poland), 2018, 73, 285-294.	0.8	8
39	Identification and Characterization of an OSH1 Thiol Reductase from Populus trichocarpa. Cells, 2020, 9, 76.	1.8	8
40	A preliminary analysis of phylogenetic relationships ofArundinaria and related genera based on nucleotide sequences of nrDNA (ITS region) and cpDNA (trnL-F intergenic spacer). Journal of Forestry Research, 2005, 16, 5-8.	1.7	7
41	Direct observation of positive supercoils introduced by reverse gyrase through atomic force microscopy. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4086-4090.	1.0	7
42	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation. Journal of Plant Biology, 2018, 61, 227-240.	0.9	6
43	Genome-Wide Evolution and Comparative Analysis of Superoxide Dismutase Gene Family in Cucurbitaceae and Expression Analysis of Lagenaria siceraria Under Multiple Abiotic Stresses. Frontiers in Genetics, 2021, 12, 784878.	1.1	6
44	A novel inclusion complex (Î²-CD/ABP-dHC-cecropin A) with antibiotic propertiess for use as an anti-Agrobacterium additive in transgenic poplar rooting medium. Enzyme and Microbial Technology, 2015, 81, 72-79.	1.6	5
45	Optimization of the cry1Ah1 Sequence Enhances the Hyper-Resistance of Transgenic Poplars to Hyphantria cunea. Frontiers in Plant Science, 2019, 10, 335.	1.7	5
46	The Effect of Dimethyl Sulfoxide on Supercoiled DNA Relaxation Catalyzed by Type I Topoisomerases. BioMed Research International, 2015, 2015, 1-8.	0.9	4
47	Overexpression of PtAnnexin1 from Populus trichocarpa enhances salt and drought tolerance in transgenic poplars. Tree Genetics and Genomes, 2020, 16, 1.	0.6	4
48	Population Genetic Diversity and Structure of an Endangered Salicaceae Species in Northeast China: Chosenia arbutifolia (Pall.) A. Skv.. Forests, 2021, 12, 1282.	0.9	4
49	Full-Length Transcriptome Characterization and Comparative Analysis of Chosenia arbutifolia. Forests, 2022, 13, 543.	0.9	4
50	Effects of Bt-Cry1Ah1 Transgenic Poplar on Target and Non-Target Pests and Their Parasitic Natural Enemy in Field and Laboratory Trials. Forests, 2020, 11, 1255.	0.9	3
51	Characteristics and Functions of PePIF3, a Gene Related to Circadian Rhythm in â€œNanlin 895â€•Poplar. Plant Molecular Biology Reporter, 2020, 38, 586-600.	1.0	3
52	Genome-Wide and Comprehensive Analysis of the Multiple Stress-Related CAF1 (CCR4-Associated Factor) Tj ETQq0 0 0 rgBT /Overlock 1	1.6	2
53	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants. Methods in Molecular Biology, 2022, 2408, 317-324.	0.4	2
54	Characterization, Expression Profiling, and Functional Analyses of a 4CL-Like Gene of Populus trichocarpa. Processes, 2019, 7, 45.	1.3	1

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55	Diurnal and circadian expression of clock-associated pseudo-response regulators in Populus trichocarpa. Plant Biotechnology, 2013, 30, 517-521.	0.5	1
56	Transformation of a Thermostable G-Quadruplex Structure into DNA Duplex Driven by Reverse Gyrase. Molecules, 2017, 22, 2021.	1.7	0