

# Qiang Zhuge

## List of Publications by Citations

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56  
papers

586  
citations

14  
h-index

20  
g-index

65  
ext. papers

829  
ext. citations

4  
avg, IF

3.81  
L-index

#	Paper	IF	Citations
56	Overexpression of Enhances Salt Tolerance in Transgenic Poplars. <i>Plant Molecular Biology Reporter</i> , <b>2014</b> , 32, 185-197	1.7	42
55	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2015</b> , 120, 141-154	2.7	39
54	Detection of quantitative trait loci influencing growth trajectories of adventitious roots in Populus using functional mapping. <i>Tree Genetics and Genomes</i> , <b>2009</b> , 5, 539-552	2.1	39
53	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	33
52	Heterologous Overexpression of Poplar SnRK2 Genes Enhanced Salt Stress Tolerance in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 612	6.2	30
51	Expression profiles of two novel lipoxygenase genes in Populus deltoides. <i>Plant Science</i> , <b>2006</b> , 170, 1027-1035	5.1	27
50	Responses of Populus trichocarpa galactinol synthase genes to abiotic stresses. <i>Journal of Plant Research</i> , <b>2014</b> , 127, 347-58	2.6	26
49	RNA-directed DNA methylation in plants. <i>Plant Cell Reports</i> , <b>2015</b> , 34, 1857-62	5.1	24
48	Functional Analysis of Two Orthologous NAC Genes, CarNAC3, and CarNAC6 from Cicer arietinum, Involved in Abiotic Stresses in Poplar. <i>Plant Molecular Biology Reporter</i> , <b>2015</b> , 33, 1539-1551	1.7	21
47	Identification and Validation of Single Nucleotide Polymorphisms in Poplar Using Publicly Expressed Sequence Tags. <i>Journal of Integrative Plant Biology</i> , <b>2005</b> , 47, 1493-1499	8.3	17
46	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury (Hyphantria cunea). <i>Peptides</i> , <b>2015</b> , 68, 197-204	3.8	16
45	An efficient Agrobacterium-mediated transformation system for poplar. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 10780-93	6.3	16
44	Expression and characterization of the antimicrobial peptide ABP-dHC-cecropin A in the methylophilic yeast Pichia pastoris. <i>Protein Expression and Purification</i> , <b>2017</b> , 140, 44-51	2	15
43	Isolation and Functional Analysis of the Poplar RbcS Gene Promoter. <i>Plant Molecular Biology Reporter</i> , <b>2013</b> , 31, 120-127	1.7	14
42	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of Populus trichocarpa. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 142, 94-105	5.4	13
41	Cloning and characterization of a thaumatin-like protein gene PeTLP in Populus deltoides (P. euramericana cv. Nanlin895). <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 2985-2998	2.6	12
40	Functional analyses of NDPK2 in Populus trichocarpa and overexpression of PtNDPK2 enhances growth and tolerance to abiotic stresses in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 117, 61-74	5.4	11

39	Uneven selection pressure accelerating divergence of and. <i>Horticulture Research</i> , <b>2019</b> , 6, 37	7.7	11
38	Physical interaction between SnRK2 and PP2C is conserved in <i>Populus trichocarpa</i> . <i>Plant Biotechnology</i> , <b>2015</b> , 32, 337-341	1.3	11
37	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat ( <i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , <b>2020</b> , 21, 778	4.5	11
36	Overexpression of Enhances Stress Resistance in Poplars. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	10
35	In vitro production and antifungal activity of peptide ABP-dHC-cecropin A. <i>Journal of Biotechnology</i> , <b>2015</b> , 199, 47-54	3.7	9
34	High-level SUMO-mediated fusion expression of ABP-dHC-cecropin A from multiple joined genes in <i>Escherichia coli</i> . <i>Analytical Biochemistry</i> , <b>2016</b> , 509, 15-23	3.1	9
33	Selective cytotoxicity of the antibacterial peptide ABP-dHC-Cecropin A and its analog towards leukemia cells. <i>European Journal of Pharmacology</i> , <b>2017</b> , 803, 138-147	5.3	8
32	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 126, 22-31	5.4	8
31	Functional analyses of PtRDM1 gene overexpression in poplars and evaluation of its effect on DNA methylation and response to salt stress. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 127, 64-73	5.4	8
30	Thaumatin-like protein(Pe-TLP)acts as a positive factor in transgenic poplars enhanced resistance to spots disease. <i>Physiological and Molecular Plant Pathology</i> , <b>2020</b> , 112, 101512	2.6	8
29	A preliminary analysis of phylogenetic relationships of Arundinaria and related genera based on nucleotide sequences of nrDNA (ITS region) and cpDNA (trnL-F intergenic spacer). <i>Journal of Forestry Research</i> , <b>2005</b> , 16, 5-8	2	6
28	Identification and Characterization of an OSH1 Thiol Reductase from. <i>Cells</i> , <b>2019</b> , 9,	7.9	6
27	Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. <i>Plant Science</i> , <b>2020</b> , 292, 110379	5.3	6
26	Galactinol synthase confers salt-stress tolerance by regulating the synthesis of galactinol and raffinose family oligosaccharides in poplar. <i>Industrial Crops and Products</i> , <b>2021</b> , 165, 113432	5.9	6
25	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in : Overexpression of Enhances Terpenoids in Transgenic Poplar. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1476	6.2	6
24	Overexpression of PtHMGR enhances drought and salt tolerance of poplar. <i>Annals of Botany</i> , <b>2020</b> , 125, 785-803	4.1	6
23	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in <i>Populus euramericana</i> cv Nanlin895. <i>Plant Biotechnology Reports</i> , <b>2019</b> , 13, 245-261	2.5	5
22	A novel inclusion complex (ECD/ABP-dHC-cecropin A) with antibiotic properties for use as an anti-Agrobacterium additive in transgenic poplar rooting medium. <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 81, 72-9	3.8	5

21	Characterization, Expression Profiling, and Functional Analysis of , a Defensin-Encoding Gene From. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 106	5.7	5
20	Plant small RNAs: definition, classification and response against stresses. <i>Biologia (Poland)</i> , <b>2018</b> , 73, 285-294	1.5	5
19	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation <b>2018</b> , 61, 227-240		5
18	Characterization, expression profiling, and functional analysis of a <i>Populus trichocarpa</i> defensin gene and its potential as an anti-Agrobacterium rooting medium additive. <i>Scientific Reports</i> , <b>2019</b> , 9, 15359	4.9	5
17	Optimization of the Sequence Enhances the Hyper-Resistance of Transgenic Poplars to. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 335	6.2	4
16	Direct observation of positive supercoils introduced by reverse gyrase through atomic force microscopy. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 4086-4090	2.9	4
15	Genome-Wide Characterization of Dirigent Proteins in Populus: Gene Expression Variation and Expression Pattern in Response to <i>Marssonina brunnea</i> and Phytohormones. <i>Forests</i> , <b>2021</b> , 12, 507	2.8	4
14	Plant Secondary Metabolites with an Overview of. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
13	Effects of Bt-Cry1Ah1 Transgenic Poplar on Target and Non-Target Pests and Their Parasitic Natural Enemy in Field and Laboratory Trials. <i>Forests</i> , <b>2020</b> , 11, 1255	2.8	2
12	Precise exogenous insertion and sequence replacements in poplar by simultaneous HDR overexpression and NHEJ suppression using CRISPR-Cas9		2
11	Cross-talk between the methylerythritol phosphate and mevalonic acid pathways of isoprenoid biosynthesis in poplar		2
10	Full-Length Transcriptome Characterization and Comparative Analysis of <i>Chosenia arbutifolia</i> . <i>Forests</i> , <b>2022</b> , 13, 543	2.8	2
9	Characterization, Expression Profiling, and Functional Analyses of a 4CL-Like Gene of <i>Populus trichocarpa</i> . <i>Processes</i> , <b>2019</b> , 7, 45	2.9	1
8	Characteristics and Functions of PePIF3, a Gene Related to Circadian Rhythm in Nanlin 895 Poplar. <i>Plant Molecular Biology Reporter</i> , <b>2020</b> , 38, 586-600	1.7	1
7	The Effect of Dimethyl Sulfoxide on Supercoiled DNA Relaxation Catalyzed by Type I Topoisomerases. <i>BioMed Research International</i> , <b>2015</b> , 2015, 320490	3	1
6	Diurnal and circadian expression of clock-associated pseudo-response regulators in <i>Populus trichocarpa</i> . <i>Plant Biotechnology</i> , <b>2013</b> , 30, 517-521	1.3	1
5	Population Genetic Diversity and Structure of an Endangered Salicaceae Species in Northeast China: <i>Chosenia arbutifolia</i> (Pall.) A. Skv.. <i>Forests</i> , <b>2021</b> , 12, 1282	2.8	1
4	Overexpression of PtAnnexin1 from <i>Populus trichocarpa</i> enhances salt and drought tolerance in transgenic poplars. <i>Tree Genetics and Genomes</i> , <b>2020</b> , 16, 1	2.1	0

3	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2408, 317-324	1.4	○
2	Characterization, expression, and functional analysis of the pathogenesis-related gene PtDIR11 in transgenic poplar.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 210, 182-195	7.9	○
1	Genome-Wide Evolution and Comparative Analysis of Superoxide Dismutase Gene Family in Cucurbitaceae and Expression Analysis of Under Multiple Abiotic Stresses.. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 784878	4.5	