Qiang Zhuge

List of Publications by Year in Descending Order

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	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants.. *Methods in Molecular Biology*, **2022**, 2408, 317-324	1.4	0
55	Full-Length Transcriptome Characterization and Comparative Analysis of Chosenia arbutifolia. *Forests*, **2022**, 13, 543	2.8	2
54	Characterization, expression, and functional analysis of the pathogenesis-related gene PtDIR11 in transgenic poplar.. *International Journal of Biological Macromolecules*, **2022**, 210, 182-195	7.9	0
53	Genome-Wide Evolution and Comparative Analysis of Superoxide Dismutase Gene Family in Cucurbitaceae and Expression Analysis of Under Multiple Abiotic Stresses.. *Frontiers in Genetics*, **2021**, 12, 784878	4.5	
52	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	2.8	4
51	Plant Secondary Metabolites with an Overview of. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
50	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	5.9	6
49	Population Genetic Diversity and Structure of an Endangered Salicaceae Species in Northeast China: Chosenia arbutifolia (Pall.) A. Skv.. *Forests*, **2021**, 12, 1282	2.8	1
48	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	2.8	2
47	Characteristics and Functions of PePIF3, a Gene Related to Circadian Rhythm in 'Nanlin 895' Poplar. *Plant Molecular Biology Reporter*, **2020**, 38, 586-600	1.7	1
46	Characterization, Expression Profiling, and Functional Analysis of , a Defensin-Encoding Gene From. *Frontiers in Microbiology*, **2020**, 11, 106	5.7	5
45	Overexpression of PtAnnexin1 from Populus trichocarpa enhances salt and drought tolerance in transgenic poplars. *Tree Genetics and Genomes*, **2020**, 16, 1	2.1	0
44	Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. *Plant Science*, **2020**, 292, 110379	5.3	6
43	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	2.6	8
42	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (Triticum aestivum L.). *BMC Genomics*, **2020**, 21, 778	4.5	11
41	Overexpression of PtHMGR enhances drought and salt tolerance of poplar. *Annals of Botany*, **2020**, 125, 785-803	4.1	6
40	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of Populus trichocarpa. *Plant Physiology and Biochemistry*, **2019**, 142, 94-105	5.4	13

39	Characterization, Expression Profiling, and Functional Analyses of a 4CL-Like Gene of Populus trichocarpa. *Processes*, **2019**, 7, 45	2.9	1
38	Uneven selection pressure accelerating divergence of and. *Horticulture Research*, **2019**, 6, 37	7.7	11
37	Overexpression of Enhances Stress Resistance in Poplars. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	10
36	Optimization of the Sequence Enhances the Hyper-Resistance of Transgenic Poplars to. *Frontiers in Plant Science*, **2019**, 10, 335	6.2	4
35	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in Populus euramericana cv Nanlin895 *Plant Biotechnology Reports*, **2019**, 13, 245-261	2.5	5
34	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	33
33	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	4.9	5
32	Identification and Characterization of an OSH1 Thiol Reductase from. *Cells*, **2019**, 9,	7.9	6
31	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in : Overexpression of Enhances Terpenoids in Transgenic Poplar. *Frontiers in Plant Science*, **2019**, 10, 1476	6.2	6
30	Plant small RNAs: definition, classification and response against stresses. *Biologia (Poland)*, **2018**, 73, 285-294	1.5	5
29	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. *Plant Physiology and Biochemistry*, **2018**, 126, 22-31	5.4	8
28	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	5.4	8
27	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation **2018**, 61, 227-240		5
26	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	5.4	11
25	Selective cytotoxicity of the antibacterial peptide ABP-dHC-Cecropin A and its analog towards leukemia cells. *European Journal of Pharmacology*, **2017**, 803, 138-147	5.3	8
24	Direct observation of positive supercoils introduced by reverse gyrase through atomic force microscopy. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 4086-4090	2.9	4
23	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	2	15
22	Heterologous Overexpression of Poplar SnRK2 Genes Enhanced Salt Stress Tolerance in Arabidopsis thaliana. *Frontiers in Plant Science*, **2016**, 7, 612	6.2	30

21	High-level SUMO-mediated fusion expression of ABP-dHC-cecropin A from multiple joined genes in Escherichia coli. *Analytical Biochemistry*, **2016**, 509, 15-23	3.1	9
20	RNA-directed DNA methylation in plants. *Plant Cell Reports*, **2015**, 34, 1857-62	5.1	24
19	A novel inclusion complex (HCD/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, 72-9	3.8	5
18	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	1.7	21
17	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. *Plant Cell, Tissue and Organ Culture*, **2015**, 120, 141-154	2.7	39
16	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury (Hyphantria cunea). *Peptides*, **2015**, 68, 197-204	3.8	16
15	The Effect of Dimethyl Sulfoxide on Supercoiled DNA Relaxation Catalyzed by Type I Topoisomerases. *BioMed Research International*, **2015**, 2015, 320490	3	1
14	Physical interaction between SnRK2 and PP2C is conserved in Populus trichocarpa. *Plant Biotechnology*, **2015**, 32, 337-341	1.3	11
13	In vitro production and antifungal activity of peptide ABP-dHC-cecropin A. *Journal of Biotechnology*, **2015**, 199, 47-54	3.7	9
12	Responses of Populus trichocarpa galactinol synthase genes to abiotic stresses. *Journal of Plant Research*, **2014**, 127, 347-58	2.6	26
11	An efficient Agrobacterium-mediated transformation system for poplar. *International Journal of Molecular Sciences*, **2014**, 15, 10780-93	6.3	16
10	Overexpression of Enhances Salt Tolerance in Transgenic Poplars. *Plant Molecular Biology Reporter*, **2014**, 32, 185-197	1.7	42
9	Isolation and Functional Analysis of the Poplar RbcS Gene Promoter. *Plant Molecular Biology Reporter*, **2013**, 31, 120-127	1.7	14
8	Cloning and characterization of a thaumatin-like protein gene PeTLP in Populus deltoides ×P. euramericana cv. "Nanlin895". *Acta Physiologiae Plantarum*, **2013**, 35, 2985-2998	2.6	12
7	Diurnal and circadian expression of clock-associated pseudo-response regulators in Populus trichocarpa. *Plant Biotechnology*, **2013**, 30, 517-521	1.3	1
6	Detection of quantitative trait loci influencing growth trajectories of adventitious roots in Populus using functional mapping. *Tree Genetics and Genomes*, **2009**, 5, 539-552	2.1	39
5	Expression profiles of two novel lipoxygenase genes in Populus deltoides. *Plant Science*, **2006**, 170, 1027-1035	2.3	27
4	Identification and Validation of Single Nucleotide Polymorphisms in Poplar Using Publicly Expressed Sequence Tags. *Journal of Integrative Plant Biology*, **2005**, 47, 1493-1499	8.3	17

List of Publications

3	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	2	6
2	Precise exogenous insertion and sequence replacements in poplar by simultaneous HDR overexpression and NHEJ suppression using CRISPR-Cas9		2
1	Cross-talk between the methylerythritol phosphate and mevalonic acid pathways of isoprenoid biosynthesis in poplar		2