

# Tongming Yin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101  
papers

1,911  
citations

22  
h-index

41  
g-index

110  
ext. papers

2,608  
ext. citations

4.3  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
101	Genomic insights into salt adaptation in a desert poplar. <i>Nature Communications</i> , <b>2013</b> , 4, 2797	17.4	183
100	Genome structure and emerging evidence of an incipient sex chromosome in Populus. <i>Genome Research</i> , <b>2008</b> , 18, 422-30	9.7	155
99	Characterization of microsatellites revealed by genomic sequencing of Populus trichocarpa. <i>Canadian Journal of Forest Research</i> , <b>2004</b> , 34, 85-93	1.9	129
98	The F-box gene family is expanded in herbaceous annual plants relative to woody perennial plants. <i>Plant Physiology</i> , <b>2008</b> , 148, 1189-200	6.6	106
97	The willow genome and divergent evolution from poplar after the common genome duplication. <i>Cell Research</i> , <b>2014</b> , 24, 1274-7	24.7	104
96	L1-Norm Distance Linear Discriminant Analysis Based on an Effective Iterative Algorithm. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 114-129	6.4	63
95	Molecular linkage maps of the Populus genome. <i>Genome</i> , <b>2002</b> , 45, 541-55	2.4	62
94	Different autosomes evolved into sex chromosomes in the sister genera of Salix and Populus. <i>Scientific Reports</i> , <b>2015</b> , 5, 9076	4.9	60
93	Organellar genome assembly methods and comparative analysis of horticultural plants. <i>Horticulture Research</i> , <b>2018</b> , 5, 3	7.7	44
92	A logistic mixture model for characterizing genetic determinants causing differentiation in growth trajectories. <i>Genetical Research</i> , <b>2002</b> , 79, 235-45	1.1	43
91	Transcriptome analysis of differentially expressed genes relevant to variegation in peach flowers. <i>PLoS ONE</i> , <b>2014</b> , 9, e90842	3.7	42
90	The obscure events contributing to the evolution of an incipient sex chromosome in Populus: a retrospective working hypothesis. <i>Tree Genetics and Genomes</i> , <b>2012</b> , 8, 559-571	2.1	41
89	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
88	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
87	Phylogenomics of the genus Populus reveals extensive interspecific gene flow and balancing selection. <i>New Phytologist</i> , <b>2020</b> , 225, 1370-1382	9.8	33
86	Transcriptome analysis of the differentially expressed genes in the male and female shrub willows (Salix suchowensis). <i>PLoS ONE</i> , <b>2013</b> , 8, e60181	3.7	32
85	Preliminary interspecific genetic maps of the Populus genome constructed from RAPD markers. <i>Genome</i> , <b>2001</b> , 44, 602-609	2.4	30

84	Quantitative trait loci for growth trajectories in Populus. <i>Genetical Research</i> , <b>2003</b> , 81, 51-64	1.1	28
83	Genome-wide identification and characterization of WRKY gene family in Salix suchowensis. <i>PeerJ</i> , <b>2016</b> , 4, e2437	3.1	25
82	RNA-directed DNA methylation in plants. <i>Plant Cell Reports</i> , <b>2015</b> , 34, 1857-62	5.1	24
81	Pathways to sex determination in plants: how many roads lead to Rome?. <i>Current Opinion in Plant Biology</i> , <b>2020</b> , 54, 61-68	9.9	24
80	Major Chromosomal Rearrangements Distinguish Willow and Poplar After the Ancestral "Salicoid" Genome Duplication. <i>Genome Biology and Evolution</i> , <b>2016</b> , 8, 1868-75	3.9	22
79	Hardwood Tree Genomics: Unlocking Woody Plant Biology. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1799	6.2	22
78	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
77	A Highly Dense Genetic Map for Constructed Using Sequence-Based Markers. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1041	6.2	21
76	Bioinformatics-Based Identification of Candidate Genes from QTLs Associated with Cell Wall Traits in Populus. <i>Bioenergy Research</i> , <b>2010</b> , 3, 172-182	3.1	21
75	A General Model to Explain Repeated Turnovers of Sex Determination in the Salicaceae. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 968-980	8.3	18
74	Evidences for a role of two Y-specific genes in sex determination in Populus deltoides. <i>Nature Communications</i> , <b>2020</b> , 11, 5893	17.4	17
73	Confirmation of Single-Locus Sex Determination and Female Heterogamety in Willow Based on Linkage Analysis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147671	3.7	17
72	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury ( <i>Hyphantria cunea</i> ). <i>Peptides</i> , <b>2015</b> , 68, 197-204	3.8	16
71	Efficient CRISPR/Cas9-Mediated Gene Editing in an Interspecific Hybrid Poplar With a Highly Heterozygous Genome. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 996	6.2	15
70	Genetic Map Construction and Detection of Genetic Loci Underlying Segregation Distortion in an Intraspecific Cross of Populus deltoides. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126077	3.7	15
69	The chromosome-scale assembly of the willow genome provides insight into Salicaceae genome evolution. <i>Horticulture Research</i> , <b>2020</b> , 7, 45	7.7	14
68	Potential chromosomal introgression barriers revealed by linkage analysis in a hybrid of Pinus massoniana and P. hwangshanensis. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 37	5.3	14
67	The Acer truncatum genome provides insights into nervonic acid biosynthesis. <i>Plant Journal</i> , <b>2020</b> , 104, 662-678	6.9	14

66	VGSC: A Web-Based Vector Graph Toolkit of Genome Synteny and Collinearity. <i>BioMed Research International</i> , <b>2016</b> , 2016, 7823429	3	14
65	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of <i>Populus trichocarpa</i> . <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 142, 94-105	5.4	13
64	IGDD: a database of intronless genes in dicots. <i>BMC Bioinformatics</i> , <b>2016</b> , 17, 289	3.6	13
63	DNA fingerprinting of oil camellia cultivars with SSR markers. <i>Tree Genetics and Genomes</i> , <b>2016</b> , 12, 1	2.1	12
62	Functional analyses of NDPK2 in <i>Populus trichocarpa</i> 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
61	Uneven selection pressure accelerating divergence of and. <i>Horticulture Research</i> , <b>2019</b> , 6, 37	7.7	11
60	Fine mapping of the sex locus in confirms a consistent sex determination mechanism in genus. <i>Horticulture Research</i> , <b>2020</b> , 7, 64	7.7	11
59	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
58	Discovery and experimental analysis of microsatellites in an oil woody plant <i>Camellia chekiangoleosa</i> . <i>Plant Systematics and Evolution</i> , <b>2013</b> , 299, 1387-1393	1.3	11
57	Characterization of microsatellites in the coding regions of the <i>Populus</i> genome. <i>Molecular Breeding</i> , <b>2011</b> , 27, 59-66	3.4	11
56	The nearly complete genome of <i>Ginkgo biloba</i> illuminates gymnosperm evolution. <i>Nature Plants</i> , <b>2021</b> , 7, 748-756	11.5	11
55	Differential retention and expansion of the ancestral genes associated with the paleopolyploidies in modern rosoid plants, as revealed by analysis of the extensins super-gene family. <i>BMC Genomics</i> , <b>2014</b> , 15, 612	4.5	10
54	Sex determination through X-Y heterogamety in <i>Salix nigra</i> . <i>Heredity</i> , <b>2021</b> , 126, 630-639	3.6	10
53	Relative density degree induced boundary detection for one-class SVM. <i>Soft Computing</i> , <b>2016</b> , 20, 4473-4485	3.5	9
52	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
51	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
50	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
49	The genomic architecture of the sex-determining region and sex-related metabolic variation in <i>Ginkgo biloba</i> . <i>Plant Journal</i> , <b>2020</b> , 104, 1399-1409	6.9	8

48	The complete mitochondrial genome of. <i>Mitochondrial DNA Part B: Resources</i> , <b>2016</b> , 1, 122-123	0.5	7
47	Melampsora larici-populina, the main rust pathogen, causes loss in biomass production of black cottonwood plantations in the south of China. <i>Phytoparasitica</i> , <b>2013</b> , 41, 337-344	1.5	7
46	Sequencing and Analysis of the Pseudomonas fluorescens GcM5-1A Genome: A Pathogen Living in the Surface Coat of Bursaphelenchus xylophilus. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141515	3.7	7
45	An analytical toolkit for polyploid willow discrimination. <i>Scientific Reports</i> , <b>2016</b> , 6, 37702	4.9	7
44	Sex-Related Differences in Growth, Herbivory, and Defense of Two Salix Species. <i>Forests</i> , <b>2020</b> , 11, 450	2.8	6
43	Identification and characterization of nucleotide variations in the genome of Ziziphus jujuba (Rhamnaceae) by next generation sequencing. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 3219-23	2.8	6
42	Map and analysis of microsatellites in the genome of Populus: the first sequenced perennial plant. <i>Science in China Series C: Life Sciences</i> , <b>2007</b> , 50, 690-9		6
41	Genome-wide identification and characterization of the MADS-box gene family in. <i>PeerJ</i> , <b>2019</b> , 7, e8019	3.1	6
40	High-density genetic map of Populus deltoides constructed by using specific length amplified fragment sequencing. <i>Tree Genetics and Genomes</i> , <b>2018</b> , 14, 1	2.1	6
39	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in Populus trichocarpa cv Nanlin895. <i>Plant Biotechnology Reports</i> , <b>2019</b> , 13, 245-261	2.5	5
38	A novel inclusion complex (βCD/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
37	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
36	Plant small RNAs: definition, classification and response against stresses. <i>Biologia (Poland)</i> , <b>2018</b> , 73, 285-294	1.5	5
35	Identifying candidate genes for wood formation in poplar based on microarray network analysis and graph theory. <i>Tree Genetics and Genomes</i> , <b>2016</b> , 12, 1	2.1	5
34	Marker-Aided Selection of Polyploid Poplars. <i>Bioenergy Research</i> , <b>2013</b> , 6, 984-990	3.1	5
33	Incorporating neighbors' distribution knowledge into support vector machines. <i>Soft Computing</i> , <b>2017</b> , 21, 6407-6420	3.5	5
32	Natural infectious behavior of the urediniospores of Melampsora larici-populina on poplar leaves. <i>Journal of Forestry Research</i> , <b>2015</b> , 26, 225-231	2	5
31	Genome-wide detection of genetic loci triggering uneven descending of gametes from a natural hybrid pine. <i>Tree Genetics and Genomes</i> , <b>2012</b> , 8, 1371-1377	2.1	5

30	Pinus massoniana Introgression Hybrids Display Differential Expression of Reproductive Genes. <i>Forests</i> , <b>2019</b> , 10, 230	2.8	4
29	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
28	Genome-wide identification and characterization of WUSCHEL-related homeobox (WOX) genes in Salix suchowensis. <i>Journal of Forestry Research</i> , <b>2019</b> , 30, 1811-1822	2	4
27	Genetic introgression and species boundary of two geographically overlapping pine species revealed by molecular markers. <i>PLoS ONE</i> , <b>2014</b> , 9, e101106	3.7	4
26	Impact of a G2-EPSPS & GAT Dual Transgenic Glyphosate-Resistant Soybean Line on the Soil Microbial Community under Field Conditions Affected by Glyphosate Application. <i>Microbes and Environments</i> , <b>2020</b> , 35,	2.6	4
25	Design, synthesis and biological evaluation of anilide (dicarboxylic acid) shikonin esters as antitumor agents through targeting PI3K/Akt/mTOR signaling pathway. <i>Bioorganic Chemistry</i> , <b>2021</b> , 111, 104872	5.1	4
24	Differential relieving effects of shikonin and its derivatives on inflammation and mucosal barrier damage caused by ulcerative colitis. <i>PeerJ</i> , <b>2021</b> , 9, e10675	3.1	4
23	The Whole Genome Assembly and Comparative Genomic Research of Thellungiella parvula (Extremophile Crucifer) Mitochondrion. <i>International Journal of Genomics</i> , <b>2016</b> , 2016, 5283628	2.5	3
22	Cloning and functional analysis of EpGHQH1 in shikonin production of Echium plantagineum. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2021</b> , 144, 533-543	2.7	3
21	Genome-Wide Comparative Analysis of R2R3 MYB Gene Family in and Identification of Male Flower Bud Development-Related Genes. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 721558	6.2	3
20	Gene discovery and marker resource development by transcriptome sequencing from a short-rotation coppice willow, Salix suchowensis. <i>Plant Breeding</i> , <b>2017</b> , 136, 279-286	2.4	2
19	Identification of Reference Genes for Quantitative Gene Expression Studies in Pinus massoniana and Its Introgression Hybrid. <i>Forests</i> , <b>2019</b> , 10, 787	2.8	2
18	Mapping quantitative trait loci conferring resistance to Marssonina leaf spot disease in Populus deltoides. <i>Trees - Structure and Function</i> , <b>2019</b> , 33, 697-706	2.6	2
17	Two antagonistic effect genes mediate separation of sexes in a fully dioecious plant		2
16	Discovering Podophyllotoxin Derivatives as Potential Anti-Tubulin Agents: Design, Synthesis and Biological Evaluation. <i>ChemistrySelect</i> , <b>2020</b> , 5, 10526-10536	1.8	2
15	Aux/IAA and ARF Gene Families in : Identification, Evolution, and Dynamic Transcriptome Profiling During the Plant Growth Process. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 666310	6.2	2
14	Molecular discrimination and ploidy level determination for elite willow cultivars. <i>Tree Genetics and Genomes</i> , <b>2018</b> , 14, 1	2.1	2
13	Detecting the Candidate Gender Determinants by Bioinformatic Prediction of miRNAs and Their Targets from Transcriptome Sequences of the Male and Female Flowers in. <i>BioMed Research International</i> , <b>2017</b> , 2017, 9614596	3	1

12	GESearch: An Interactive GUI Tool for Identifying Gene Expression Signature. <i>BioMed Research International</i> , <b>2015</b> , 2015, 853734	3	1
11	GEsture: an online hand-drawing tool for gene expression pattern search. <i>PeerJ</i> , <b>2018</b> , 6, e4927	3.1	1
10	AN OMNI-DIRECTIONAL ELECTRIC PRUNING SAW FOR FOREST TENDING. <i>INMATEH - Agricultural Engineering</i> , <b>2020</b> , 61, 35-40	1.2	1
9	Identification of Genes Underlying the Resistance to in an Gene Supercluster of the Genome. <i>Plant Disease</i> , <b>2020</b> , 104, 1133-1143	1.5	1
8	Analysis of topology properties in different tissues of poplar based on gene co-expression networks. <i>Tree Genetics and Genomes</i> , <b>2020</b> , 16, 1	2.1	1
7	Differential microbial assemblages associated with shikonin-producing Borage species in two distinct soil types. <i>Scientific Reports</i> , <b>2021</b> , 11, 10788	4.9	1
6	Deciphering the rhizobacterial assemblages under the influence of genetically engineered maize carrying mcrY genes. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 60154-60166	5.1	1
5	Volatile metabolites of willows determining host discrimination by adult <i>Plagioderma versicolora</i> . <i>Journal of Forestry Research</i> , 1	2	1
4	Shikonin N-benzyl matrinic acid ester derivatives as novel telomerase inhibitors with potent activity against lung cancer cell lines.. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 128503	2.9	0
3	Differential Assembly and Shifts of the Rhizosphere Bacterial Community by a Dual Transgenic Glyphosate-Tolerant Soybean Line with and without Glyphosate Application. <i>Horticulturae</i> , <b>2021</b> , 7, 374	2.5	0
2	Overexpression of a putative 12-oxophytodienoate reductase gene, EpOPR1, enhances acetylshikonin production in <i>Echium plantagineum</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1	2.3	0
1	Assessment of shikonin and acetyl-shikonin for mitigating quorum sensing potential of <i>C. violaceum</i> . <i>Plant Growth Regulation</i> , <b>2021</b> , 94, 233-243	3.2	