

# Jisen Shi

## List of Publications by Citations

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2,448  
ext. citations

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L-index

#	Paper	IF	Citations
107	A vacuolar phosphate transporter essential for phosphate homeostasis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E6571-8	11.5	120
106	Nitric oxide enhances desiccation tolerance of recalcitrant <i>Antiaris toxicaria</i> seeds via protein S-nitrosylation and carbonylation. <i>PLoS ONE</i> , <b>2011</b> , 6, e20714	3.7	102
105	<i>Liriodendron</i> genome sheds light on angiosperm phylogeny and species-pair differentiation. <i>Nature Plants</i> , <b>2019</b> , 5, 18-25	11.5	77
104	: drawing SVG graphics to visualize and map genome-wide data on the idiograms. <i>PeerJ Computer Science</i> , <b>2020</b> , 6, e251	2.7	73
103	Arabidopsis Transporter MGT6 Mediates Magnesium Uptake and Is Required for Growth under Magnesium Limitation. <i>Plant Cell</i> , <b>2014</b> , 26, 2234-2248	11.6	72
102	Photothermal and biodegradable polyaniline/porous silicon hybrid nanocomposites as drug carriers for combined chemo-photothermal therapy of cancer. <i>Acta Biomaterialia</i> , <b>2017</b> , 51, 197-208	10.8	69
101	The complete chloroplast genome sequence of the relict woody plant <i>Metasequoia glyptostroboides</i> Hu et Cheng. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 447	6.2	61
100	Deep sequencing and microarray hybridization identify conserved and species-specific microRNAs during somatic embryogenesis in hybrid yellow poplar. <i>PLoS ONE</i> , <b>2012</b> , 7, e43451	3.7	52
99	Overexpression of two cambium-abundant Chinese fir ( <i>Cunninghamia lanceolata</i> ) expansin genes CLEXP1 and CLEXP2 affect growth and development in transgenic tobacco and increase the amount of cellulose in stem cell walls. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 486-502	11.6	50
98	Quantitative proteomics analysis reveals that S-nitrosogluthathione reductase (GSNOR) and nitric oxide signaling enhance poplar defense against chilling stress. <i>Planta</i> , <b>2015</b> , 242, 1361-90	4.7	49
97	Proteome profiling of early seed development in <i>Cunninghamia lanceolata</i> (Lamb.) Hook. <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 2367-81	7	48
96	Physiological and proteomic analyses of leaves from the halophyte Tangut <i>Nitraria</i> reveals diverse response pathways critical for high salinity tolerance. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 30	6.2	36
95	Inner Envelope CHLOROPLAST MANGANESE TRANSPORTER 1 Supports Manganese Homeostasis and Phototrophic Growth in Arabidopsis. <i>Molecular Plant</i> , <b>2018</b> , 11, 943-954	14.4	36
94	Danger-Associated Peptides Close Stomata by OST1-Independent Activation of Anion Channels in Guard Cells. <i>Plant Cell</i> , <b>2018</b> , 30, 1132-1146	11.6	35
93	Near-Infrared Light-Triggered Intracellular Delivery of Anticancer Drugs Using Porous Silicon Nanoparticles Conjugated with IR820 Dyes. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500715	4.6	33
92	Hydrogen sulfide enhances poplar tolerance to high-temperature stress by increasing S-nitrosogluthathione reductase (GSNOR) activity and reducing reactive oxygen/nitrogen damage. <i>Plant Growth Regulation</i> , <b>2018</b> , 84, 11-23	3.2	32
91	In vitro mutagenesis and identification of mutants via ISSR in lily ( <i>Lilium longiflorum</i> ). <i>Plant Cell Reports</i> , <b>2012</b> , 31, 1043-51	5.1	29

90	Moderate-density molecular maps of <i>Eucalyptus urophylla</i> S. T. Blake and <i>E. tereticornis</i> Smith genomes based on RAPD markers. <i>Genetica</i> , <b>2003</b> , 118, 59-67	1.5	29
89	De novo SNP discovery and genetic linkage mapping in poplar using restriction site associated DNA and whole-genome sequencing technologies. <i>BMC Genomics</i> , <b>2016</b> , 17, 656	4.5	28
88	Chromosome painting and comparative physical mapping of the sex chromosomes in <i>Populus tomentosa</i> and <i>Populus deltoides</i> . <i>Chromosoma</i> , <b>2018</b> , 127, 313-321	2.8	26
87	Floral Nectary Morphology and Proteomic Analysis of Nectar of <i>Liriodendron tulipifera</i> Linn. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 826	6.2	25
86	Desiccation Treatment and Endogenous IAA Levels Are Key Factors Influencing High Frequency Somatic Embryogenesis in (Lamb.) Hook. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 2054	6.2	24
85	Co-loading of photothermal agents and anticancer drugs into porous silicon nanoparticles with enhanced chemo-photothermal therapeutic efficacy to kill multidrug-resistant cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 164, 291-298	6	23
84	A hidden Markov model approach to multilocus linkage analysis in a full-sib family. <i>Tree Genetics and Genomes</i> , <b>2010</b> , 6, 651-662	2.1	22
83	Development of 240 novel EST-SSRs in <i>Eucalyptus</i> L'Hérit. <i>Molecular Breeding</i> , <b>2014</b> , 33, 221-225	3.4	21
82	Development of 198 novel EST-derived microsatellites in <i>Eucalyptus</i> (Myrtaceae). <i>American Journal of Botany</i> , <b>2012</b> , 99, e134-48	2.7	21
81	Construction of High-Density Linkage Maps of <i>Populus deltoides</i> P. <i>simonii</i> Using Restriction-Site Associated DNA Sequencing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150692	3.7	21
80	Multifunctional Chitosan/Porous Silicon@Au Nanocomposite Hydrogels for Long-Term and Repeatedly Localized Combinatorial Therapy of Cancer via a Single Injection. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 1857-1867	5.5	20
79	Transcriptome analysis and metabolic profiling reveal the key role of carotenoids in the petal coloration of. <i>Horticulture Research</i> , <b>2020</b> , 7, 70	7.7	20
78	Biodegradable and Magnetic-Fluorescent Porous Silicon@Iron Oxide Nanocomposites for Fluorescence/Magnetic Resonance Bimodal Imaging of Tumor. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 2579-2587	5.5	20
77	<i>Arabidopsis</i> choline transporter-like 1 (CTL1) regulates secretory trafficking of auxin transporters to control seedling growth. <i>PLoS Biology</i> , <b>2017</b> , 15, e2004310	9.7	19
76	High loading of doxorubicin into styrene-terminated porous silicon nanoparticles via stacking for cancer treatments in vitro. <i>RSC Advances</i> , <b>2015</b> , 5, 44660-44665	3.7	18
75	Transcriptome characteristics and six alternative expressed genes positively correlated with the phase transition of annual cambial activities in Chinese Fir ( <i>Cunninghamia lanceolata</i> (Lamb.) Hook). <i>PLoS ONE</i> , <b>2013</b> , 8, e71562	3.7	18
74	Establishment of transient gene expression systems in protoplasts from <i>Liriodendron</i> hybrid mesophyll cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172475	3.7	18
73	The Complete Chloroplast Genome Sequence of a Relict Conifer <i>Glyptostrobus pensilis</i> : Comparative Analysis and Insights into Dynamics of Chloroplast Genome Rearrangement in Cupressophytes and Pinaceae. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161809	3.7	18

72	Expansion and Functional Divergence of AP2 Group Genes in Spermatophytes Determined by Molecular Evolution and Mutant Analysis. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1383	6.2	18
71	Highly efficient uptake of ultrafine mesoporous silica nanoparticles with excellent biocompatibility by Liriodendron hybrid suspension cells. <i>Science China Life Sciences</i> , <b>2013</b> , 56, 82-9	8.5	17
70	Proteomic analysis of early seed development in Pinus massoniana L. <i>Plant Physiology and Biochemistry</i> , <b>2012</b> , 54, 97-104	5.4	16
69	Genetic parameters and genotype×environment interactions of Chinese fir (Cunninghamia lanceolata) in Fujian Province. <i>Canadian Journal of Forest Research</i> , <b>2014</b> , 44, 582-592	1.9	15
68	Identification and analysis of differentially expressed genes in differentiating xylem of Chinese fir (Cunninghamia lanceolata) by suppression subtractive hybridization. <i>Genome</i> , <b>2007</b> , 50, 1141-55	2.4	15
67	Comparative Analysis of the Chloroplast Genomic Information of Cunninghamia lanceolata (Lamb.) Hook with Sibling Species from the Genera Cryptomeria D. Don, Taiwania Hayata, and Calocedrus Kurz. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	15
66	Carbon Monoxide Potentiates High Temperature-Induced Nicotine Biosynthesis in Tobacco. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	15
65	Expression of a conifer COBRA-like gene ClCOBL1 from Chinese fir (Cunninghamia lanceolata) alters the leaf architecture in tobacco. <i>Plant Physiology and Biochemistry</i> , <b>2013</b> , 70, 483-91	5.4	14
64	Photoluminescence enhancement of porous silicon particles by microwave-assisted activation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 2247-2250	1.6	14
63	Near-infrared light and magnetic field dual-responsive porous silicon-based nanocarriers to overcome multidrug resistance in breast cancer cells with enhanced efficiency. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 546-557	7.3	14
62	Vacuolar Phosphate Transporters Contribute to Systemic Phosphate Homeostasis Vital for Reproductive Development in Arabidopsis. <i>Plant Physiology</i> , <b>2019</b> , 179, 640-655	6.6	14
61	Spatial analysis increases efficiency of progeny testing of Chinese fir. <i>Journal of Forestry Research</i> , <b>2017</b> , 28, 445-452	2	13
60	Quantitative genetics of cold hardiness and growth in Eucalyptus as estimated from E. urophylla × E. tereticornis hybrids. <i>New Forests</i> , <b>2012</b> , 43, 383-394	2.6	13
59	The LIKE SEX FOUR2 regulates root development by modulating reactive oxygen species homeostasis in Arabidopsis. <i>Scientific Reports</i> , <b>2016</b> , 6, 28683	4.9	13
58	Danger-Associated Peptides Interact with PIN-Dependent Local Auxin Distribution to Inhibit Root Growth in Arabidopsis. <i>Plant Cell</i> , <b>2019</b> , 31, 1767-1787	11.6	12
57	Discovery and experimental analysis of microsatellites in an oil woody plant Camellia chekiangoleosa. <i>Plant Systematics and Evolution</i> , <b>2013</b> , 299, 1387-1393	1.3	11
56	The role of β-aminobutyric acid in aluminum stress tolerance in a woody plant, Liriodendron chinense Tulipifera. <i>Horticulture Research</i> , <b>2021</b> , 8, 80	7.7	11
55	NIR light-triggered gelling in situ of porous silicon nanoparticles/PEGDA hybrid hydrogels for localized combinatorial therapy of cancer cells. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47443	2.9	11

54	Vacuolar Proton Pyrophosphatase Is Required for High Magnesium Tolerance in. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	11
53	: A Calcineurin B-Like Protein-Interacting Protein Kinase From the Halophyte , Enhances Arabidopsis Salt Tolerance. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1112	6.2	10
52	Phylogenetic studies and comparative chloroplast genome analyses elucidate the basal position of halophyte <i>Nitraria sibirica</i> (Nitrariaceae) in the Sapindales. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , <b>2018</b> , 29, 745-755	1.3	9
51	Evaluation of sample extraction methods for proteomic analysis of coniferous seeds. <i>Acta Physiologiae Plantarum</i> , <b>2011</b> , 33, 1623-1630	2.6	8
50	Genetic Diversity and Differentiation of Relict Plant <i>Liriodendron</i> Populations Based on 29 Novel EST-SSR Markers. <i>Forests</i> , <b>2019</b> , 10, 334	2.8	7
49	Transcriptional Analysis Provides New Insights into Cold- and Dehydration-Tolerance Signaling Pathways and on Regulation of Stem Cell Activity in the Vascular Cambium of Poplar. <i>Plant Molecular Biology Reporter</i> , <b>2013</b> , 31, 75-86	1.7	7
48	Characterization of the Gene Family and Its Role in Abiotic Stress Response. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 641280	6.2	7
47	Peptide Hormone Genes Promote Primary Root Growth and Adventitious Root Formation. <i>Plants</i> , <b>2019</b> , 8,	4.5	7
46	The investigation of inhibiting quorum sensing and methicillin-resistant <i>Staphylococcus aureus</i> biofilm formation from <i>Liriodendron</i> hybrid. <i>Pakistan Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 28, 903-8 <sup>0.4</sup>		7
45	Model selection for quantitative trait loci mapping in a full-sib family. <i>Genetics and Molecular Biology</i> , <b>2012</b> , 35, 622-31	2	6
44	A B Functional Gene Cloned from Lily Encodes an Ortholog of Arabidopsis PISTILLATA (PI). <i>Plant Molecular Biology Reporter</i> , <b>2010</b> , 28, 684-691	1.7	6
43	Mitochondria-Targeted Nanomedicine for Enhanced Efficacy of Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 720508	5.8	6
42	MVQTLCIM: composite interval mapping of multivariate traits in a hybrid F population of outbred species. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 515	3.6	5
41	Complete Chloroplast Genome of <i>Fokienia hodginsii</i> (Dunn) Henry et Thomas: Insights into Repeat Regions Variation and Phylogenetic Relationships in Cupressophyta. <i>Forests</i> , <b>2019</b> , 10, 528	2.8	5
40	Phylogeny and molecular evolution analysis of PIN-FORMED 1 in angiosperm. <i>PLoS ONE</i> , <b>2014</b> , 9, e89289 <sup>3.7</sup>		5
39	Genome-wide identification of the <i>Liriodendron chinense</i> WRKY gene family and its diverse roles in response to multiple abiotic stress.. <i>BMC Plant Biology</i> , <b>2022</b> , 22, 25	5.3	5
38	CIPK11: a calcineurin B-like protein-interacting protein kinase from <i>Nitraria tangutorum</i> , confers tolerance to salt and drought in Arabidopsis. <i>BMC Plant Biology</i> , <b>2021</b> , 21, 123	5.3	5
37	The PIN gene family in relic plant <i>L. chinense</i> : Genome-wide identification and gene expression profiling in different organizations and abiotic stress responses. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 162, 634-646	5.4	5

36	Gibberellin Oxidase Gene Family in : Genome-Wide Identification and Gene Expression Analysis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
35	<i>Pinus massoniana</i> Introgression Hybrids Display Differential Expression of Reproductive Genes. <i>Forests</i> , <b>2019</b> , 10, 230	2.8	4
34	Proteomics of embryogenic and non-embryogenic calli of a <i>Liriodendron</i> hybrid. <i>Acta Physiologiae Plantarum</i> , <b>2015</b> , 37, 1	2.6	4
33	The Transcriptome of <i>Cunninghamia lanceolata</i> male/female cone reveal the association between MIKC MADS-box genes and reproductive organs development. <i>BMC Plant Biology</i> , <b>2020</b> , 20, 508	5.3	4
32	Inter-simple sequence repeat data reveals high genetic diversity in wild populations of the narrowly distributed endemic <i>Lilium regale</i> in the Minjiang River Valley of China. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118831	3.7	4
31	Genome-wide identification and cold stress-induced expression analysis of the CBF gene family in <i>Liriodendron chinense</i> . <i>Journal of Forestry Research</i> , 1	2	4
30	Selection of reference genes for gene expression analysis in <i>Liriodendron</i> hybrids' somatic embryogenesis and germinative tissues. <i>Scientific Reports</i> , <b>2021</b> , 11, 4957	4.9	4
29	Morphological, phenological, and transcriptional analyses provide insight into the diverse flowering traits of a mutant of the relic woody plant <i>Liriodendron chinense</i> . <i>Horticulture Research</i> , <b>2021</b> , 8, 174	7.7	4
28	Identification and characterization of genic microsatellites in <i>Cunninghamia lanceolata</i> (Lamb.) Hook (Taxodiaceae). <i>Archives of Biological Sciences</i> , <b>2016</b> , 68, 417-425	0.7	3
27	Identification of Reference Genes for Quantitative Gene Expression Studies in <i>Pinus massoniana</i> and Its Introgression Hybrid. <i>Forests</i> , <b>2019</b> , 10, 787	2.8	2
26	Cell synchronization and isolation of chromosomes from Chinese fir root tips for flow cytometric analysis. <i>Biotechnology Letters</i> , <b>2015</b> , 37, 1309-14	3	2
25	Genome Sequence and Comparative Analysis of Isolated from Leaves. <i>Phytopathology</i> , <b>2020</b> , 110, 1260-1269	12.9	2
24	CLRTL1 Encodes a Chinese Fir RNase III-Like Protein Involved in Regulating Shoot Branching. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 25691-710	6.3	2
23	RIdeogram: drawing SVG graphics to visualize and map genome-wide data on the idiograms		2
22	The <i>Liriodendron chinense</i> MKK2 Gene Enhances <i>Arabidopsis thaliana</i> Salt Resistance. <i>Forests</i> , <b>2020</b> , 11, 1160	2.8	2
21	Mitochondria-Targeted Bovine Serum Albumin@Copper Sulfide Nanocomposites Conjugated with Rhodamine-110 Dye for an Enhanced Efficacy of Cancer Photothermal Therapy. <i>Particle and Particle Systems Characterization</i> , <b>2021</b> , 38, 2100013	3.1	2
20	Integrative analysis of transcriptome and proteome revealed nectary and nectar traits in the plant-pollinator interaction of <i>Nitraria tangutorum</i> Bobrov. <i>BMC Plant Biology</i> , <b>2021</b> , 21, 230	5.3	2
19	Genome-wide characterization of bZIP transcription factors and their expression patterns in response to drought and salinity stress in <i>Jatropha curcas</i> . <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 1207-1223	7.9	2

18	Pachytene Chromosome Preparation in <i>Populus deltoides</i> Marsh. <i>Current Protocols in Plant Biology</i> , <b>2016</b> , 1, 566-573	2.8	1
17	A computational algorithm for functional clustering of proteome dynamics during development. <i>Current Genomics</i> , <b>2014</b> , 15, 237-43	2.6	1
16	Chitosan Oligosaccharides Stimulate the Efficacy of Somatic Embryogenesis in Different Genotypes of the Liriodendron Hybrid. <i>Forests</i> , <b>2021</b> , 12, 557	2.8	1
15	Genomewide comparative analysis of codon usage bias in three sequenced <i>Jatropha curcas</i> . <i>Journal of Genetics</i> , <b>2021</b> , 100, 1	1.2	1
14	Small Proline-Rich Protein 2A and 2D Are Regulated by the RBM38-p73 Axis and Associated with p73-Dependent Suppression of Chronic Inflammation. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1
13	Transcriptome and proteome analysis suggest enhanced photosynthesis in tetraploid Liriodendron sino-americanum. <i>Tree Physiology</i> , <b>2021</b> , 41, 1953-1971	4.2	1
12	Identification of miR397a and Its Functional Characterization in Callus Growth and Development by Regulating Its Target in Liriodendron. <i>Forests</i> , <b>2021</b> , 12, 912	2.8	1
11	Overexpression of From Halophyte Plant Enhances Tolerance to Salt Stress in. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 716855	6.2	1
10	Exploring the (Lamb.) Hook Genome by BAC Sequencing.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 854130	5.8	1
9	-Mediated Genetic Transformation of Embryogenic Callus in a Hybrid (L).. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 802128	6.2	1
8	β-Aminobutyric acid a novel candidate for rapid induction in somatic embryogenesis of Liriodendron hybrid. <i>Plant Growth Regulation</i> , <b>2022</b> , 96, 293-302	3.2	0
7	Molecular Cloning and Functional Characterization of the DELLA Gene Family in Liriodendron Hybrids. <i>Forests</i> , <b>2020</b> , 11, 1363	2.8	0
6	The complete chloroplast genome of (Thunb.) Sweet, a traditional Chinese medicinal plant. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 851-852	0.5	0
5	The complete chloroplast genome sequence of. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 555-556	0.5	0
4	The complete chloroplast genome sequence of. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 3046-3048	0.5	0
3	PIN3 from Liriodendron May Function in Inflorescence Development and Root Elongation. <i>Forests</i> , <b>2022</b> , 13, 568	2.8	0
2	Multiple Methods Synergistically Promote the Synchronization of Somatic Embryogenesis Through Suspension Culture in the New Hybrid Between and .. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 857972	6.2	0
1	Inheritance of growth and survival in two 9-year-old, open-pollinated progenies of an advanced breeding population of Chinese firs in southeastern China. <i>Journal of Forestry Research</i> , <b>2016</b> , 27, 1067-1075		

