

# Jin-Song Zhang

## List of Publications by Year in descending order

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91  
papers

10,060  
citations

34105

52  
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46799

89  
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93  
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93  
docs citations

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times ranked

8920  
citing authors

#	ARTICLE	IF	CITATIONS
1	The OsEIL1-OsERF115 target gene regulatory module controls grain size and weight in rice. <i>Plant Biotechnology Journal</i> , 2022, 20, 1470-1486.	8.3	20
2	Ethylene signaling in rice and <i>Arabidopsis</i> : New regulators and mechanisms. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 102-125.	8.5	91
3	A transcriptional regulatory module controls lipid accumulation in soybean. <i>New Phytologist</i> , 2021, 231, 661-678.	7.3	38
4	Nuclear factor Y subunit GmNFYA competes with GmHDA13 for interaction with GmFVE to positively regulate salt tolerance in soybean. <i>Plant Biotechnology Journal</i> , 2021, 19, 2362-2379.	8.3	38
5	Ethylene Biosynthesis, Signaling, and Crosstalk with Other Hormones in Rice. <i>Small Methods</i> , 2020, 4, 1900278.	8.6	16
6	A class B heat shock factor selected for during soybean domestication contributes to salt tolerance by promoting flavonoid biosynthesis. <i>New Phytologist</i> , 2020, 225, 268-283.	7.3	92
7	The GDSL Lipase MHZ11 Modulates Ethylene Signaling in Rice Roots. <i>Plant Cell</i> , 2020, 32, 1626-1643.	6.6	36
8	Editorial: Ethylene Biology and Beyond: Novel Insights in the Ethylene Pathway and Its Interactions. <i>Frontiers in Plant Science</i> , 2020, 11, 248.	3.6	2
9	Histidine kinase MHZ1/OsHK1 interacts with ethylene receptors to regulate root growth in rice. <i>Nature Communications</i> , 2020, 11, 518.	12.8	37
10	GmWRKY54 improves drought tolerance through activating genes in abscisic acid and Ca <sup>2+</sup> signaling pathways in transgenic soybean. <i>Plant Journal</i> , 2019, 100, 384-398.	5.7	87
11	Membrane protein MHZ3 stabilizes OsEIN2 in rice by interacting with its Nramp-like domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2520-2525.	7.1	37
12	E3 ubiquitin ligase SOR1 regulates ethylene response in rice root by modulating stability of Aux/IAA protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4513-4518.	7.1	66
13	An Alfin-like gene from <i>Atriplex hortensis</i> enhances salt and drought tolerance and abscisic acid response in transgenic <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2018, 8, 2707.	3.3	30
14	Screening and Genetic Analysis of Ethylene-Response Mutants in Etiolated Rice Seedlings. <i>Bio-protocol</i> , 2018, 8, .	0.4	0
15	Selection for a Zinc-Finger Protein Contributes to Seed Oil Increase during Soybean Domestication. <i>Plant Physiology</i> , 2017, 173, 2208-2224.	4.8	73
16	Ethylene-Inhibited Jasmonic Acid Biosynthesis Promotes Mesocotyl/Coleoptile Elongation of Etiolated Rice Seedlings. <i>Plant Cell</i> , 2017, 29, 1053-1072.	6.6	109
17	Soybean NIMA-Related Kinase 1 Promotes Plant Growth and Improves Salt and Cold Tolerance. <i>Plant and Cell Physiology</i> , 2017, 58, 1268-1278.	3.1	22
18	A PP2C-1 Allele Underlying a Quantitative Trait Locus Enhances Soybean 100-Seed Weight. <i>Molecular Plant</i> , 2017, 10, 670-684.	8.3	144

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19	Analysis of Growth and Molecular Responses to Ethylene in Etiolated Rice Seedlings. <i>Methods in Molecular Biology</i> , 2017, 1573, 237-243.	0.9	2
20	A Histone Code Reader and a Transcriptional Activator Interact to Regulate Genes for Salt Tolerance. <i>Plant Physiology</i> , 2017, 175, 1304-1320.	4.8	45
21	Diverse Roles of Ethylene in Regulating Agronomic Traits in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1676.	3.6	47
22	Ethylene. , 2017, , 203-241.		4
23	Soybean miR172a Improves Salt Tolerance and Can Function as a Long-Distance Signal. <i>Molecular Plant</i> , 2016, 9, 1337-1340.	8.3	74
24	RNA Extraction and Preparation in Rice ( <i>Oryza sativa</i> ). <i>Current Protocols in Plant Biology</i> , 2016, 1, 411-418.	2.8	5
25	Soybean GmDREBL Increases Lipid Content in Seeds of Transgenic Arabidopsis. <i>Scientific Reports</i> , 2016, 6, 34307.	3.3	34
26	The transcriptomic signature of developing soybean seeds reveals the genetic basis of seed trait adaptation during domestication. <i>Plant Journal</i> , 2016, 86, 530-544.	5.7	113
27	Simple Methods for Screening and Statistical Analysis of Leaf Epidermal Cells in Dicotyledonous Plants. <i>Bio-protocol</i> , 2016, 6, .	0.4	3
28	GmWRKY27 interacts with GmMYB174 to reduce expression of GmNAC29 for stress tolerance in soybean plants. <i>Plant Journal</i> , 2015, 83, 224-236.	5.7	199
29	The Role of Ethylene in Plants Under Salinity Stress. <i>Frontiers in Plant Science</i> , 2015, 6, 1059.	3.6	246
30	MAOHUZI6/ETHYLENE INSENSITIVE3-LIKE1 and ETHYLENE INSENSITIVE3-LIKE2 Regulate Ethylene Response of Roots and Coleoptiles and Negatively Affect Salt Tolerance in Rice. <i>Plant Physiology</i> , 2015, 169, 148-165.	4.8	163
31	Melatonin enhances plant growth and abiotic stress tolerance in soybean plants. <i>Journal of Experimental Botany</i> , 2015, 66, 695-707.	4.8	493
32	The A-like homeodomain finger protein AL5 suppresses multiple negative factors to confer abiotic stress tolerance in Arabidopsis. <i>Plant Journal</i> , 2015, 81, 871-883.	5.7	60
33	Tobacco Ankyrin Protein NEIP2 Interacts with Ethylene Receptor NTHK1 and Regulates Plant Growth and Stress Responses. <i>Plant and Cell Physiology</i> , 2015, 56, 803-818.	3.1	31
34	Tobacco Translationally Controlled Tumor Protein Interacts with Ethylene Receptor Tobacco Histidine Kinase1 and Enhances Plant Growth through Promotion of Cell Proliferation. <i>Plant Physiology</i> , 2015, 169, 96-114.	4.8	35
35	Ethylene Signaling in Rice and Arabidopsis: Conserved and Diverged Aspects. <i>Molecular Plant</i> , 2015, 8, 495-505.	8.3	171
36	Ethylene Responses in Rice Roots and Coleoptiles Are Differentially Regulated by a Carotenoid Isomerase-Mediated Abscisic Acid Pathway. <i>Plant Cell</i> , 2015, 27, 1061-1081.	6.6	107

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37	Ethylene-Induced Inhibition of Root Growth Requires Abscisic Acid Function in Rice ( <i>Oryza sativa</i> L.) Seedlings. <i>PLoS Genetics</i> , 2014, 10, e1004701.	3.5	103
38	Trihelix transcription factor GT-4 mediates salt tolerance via interaction with TEM2 in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2014, 14, 339.	3.6	46
39	Soybean GmMYB73 promotes lipid accumulation in transgenic plants. <i>BMC Plant Biology</i> , 2014, 14, 73.	3.6	83
40	Roles of Ethylene in Plant Growth and Responses to Stresses. , 2014, , 81-118.		11
41	Identification of Rice Ethylene-Response Mutants and Characterization of MHZ7/OsEIN2 in Distinct Ethylene Response and Yield Trait Regulation. <i>Molecular Plant</i> , 2013, 6, 1830-1848.	8.3	117
42	Genome-Wide Analysis of DNA Methylation in Soybean. <i>Molecular Plant</i> , 2013, 6, 1961-1974.	8.3	143
43	The transcription factor AtDOF4.2 regulates shoot branching and seed coat formation in <i>Arabidopsis</i> . <i>Biochemical Journal</i> , 2013, 449, 373-388.	3.7	48
44	Soybean GmbZIP123 gene enhances lipid content in the seeds of transgenic <i>Arabidopsis</i> plants. <i>Journal of Experimental Botany</i> , 2013, 64, 4329-4341.	4.8	81
45	An S-Domain Receptor-Like Kinase, OsSIK2, Confers Abiotic Stress Tolerance and Delays Dark-Induced Leaf Senescence in Rice. <i>Plant Physiology</i> , 2013, 163, 1752-1765.	4.8	110
46	Wheat WRKY genes TaWRKY2 and TaWRKY19 regulate abiotic stress tolerance in transgenic <i>Arabidopsis</i> plants. <i>Plant, Cell and Environment</i> , 2012, 35, 1156-1170.	5.7	377
47	EIN2 regulates salt stress response and interacts with a MA3 domain-containing protein ECIP1 in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 1678-1692.	5.7	90
48	Soybean NAC transcription factors promote abiotic stress tolerance and lateral root formation in transgenic plants. <i>Plant Journal</i> , 2011, 68, 302-313.	5.7	471
49	NIMA-related kinase NEK6 affects plant growth and stress response in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 830-843.	5.7	31
50	Identification of miRNAs and their target genes in developing soybean seeds by deep sequencing. <i>BMC Plant Biology</i> , 2011, 11, 5.	3.6	287
51	Plant NAC-type transcription factor proteins contain a NARD domain for repression of transcriptional activation. <i>Planta</i> , 2010, 232, 1033-1043.	3.2	135
52	Receptor-like kinase OsSIK1 improves drought and salt stress tolerance in rice ( <i>Oryza sativa</i> ) plants. <i>Plant Journal</i> , 2010, 62, 316-329.	5.7	335
53	Soybean Trihelix Transcription Factors GmGT-2A and GmGT-2B Improve Plant Tolerance to Abiotic Stresses in Transgenic <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2009, 4, e6898.	2.5	120
54	Soybean GmPHD-Type Transcription Regulators Improve Stress Tolerance in Transgenic <i>Arabidopsis</i> Plants. <i>PLoS ONE</i> , 2009, 4, e7209.	2.5	93

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55	Effects of Tobacco Ethylene Receptor Mutations on Receptor Kinase Activity, Plant Growth and Stress Responses. <i>Plant and Cell Physiology</i> , 2009, 50, 1636-1650.	3.1	53
56	The Ethylene Receptor ETR2 Delays Floral Transition and Affects Starch Accumulation in Rice. <i>Plant Cell</i> , 2009, 21, 1473-1494.	6.6	205
57	An R2R3-type transcription factor gene <i>AtMYB59</i> regulates root growth and cell cycle progression in <i>Arabidopsis</i> . <i>Cell Research</i> , 2009, 19, 1291-1304.	12.0	131
58	Analysis of expressed receptor-like kinases (RLKs) in soybean. <i>Journal of Genetics and Genomics</i> , 2009, 36, 611-619.	3.9	20
59	Soybean <i>GmbZIP44</i> , <i>GmbZIP62</i> and <i>GmbZIP78</i> genes function as negative regulator of ABA signaling and confer salt and freezing tolerance in transgenic <i>Arabidopsis</i> . <i>Planta</i> , 2008, 228, 225-240.	3.2	350
60	Role of Soybean <i>GmbZIP132</i> under Abscisic Acid and Salt Stresses. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 221-230.	8.5	73
61	Soybean <i>GmMYB76</i> , <i>GmMYB92</i> , and <i>GmMYB177</i> genes confer stress tolerance in transgenic <i>Arabidopsis</i> plants. <i>Cell Research</i> , 2008, 18, 1047-1060.	12.0	204
62	Soybean WRKY-type transcription factor genes, <i>GmWRKY13</i> , <i>GmWRKY21</i> , and <i>GmWRKY54</i> , confer differential tolerance to abiotic stresses in transgenic <i>Arabidopsis</i> plants. <i>Plant Biotechnology Journal</i> , 2008, 6, 486-503.	8.3	582
63	Ethylene signaling regulates salt stress response. <i>Plant Signaling and Behavior</i> , 2008, 3, 761-763.	2.4	98
64	Modulation of Ethylene Responses Affects Plant Salt-Stress Responses. <i>Plant Physiology</i> , 2007, 143, 707-719.	4.8	474
65	The soybean Dof-type transcription factor genes, <i>GmDof4</i> and <i>GmDof11</i> , enhance lipid content in the seeds of transgenic <i>Arabidopsis</i> plants. <i>Plant Journal</i> , 2007, 52, 716-729.	5.7	217
66	Roles of ethylene receptor NTHK1 domains in plant growth, stress response and protein phosphorylation. <i>FEBS Letters</i> , 2006, 580, 1239-1250.	2.8	46
67	The Putative Ser/Thr Protein Kinase Gene <i>GmAAPK</i> from Soybean is Regulated by Abiotic Stress. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 327-333.	8.5	16
68	Expression of tobacco ethylene receptor NTHK1 alters plant responses to salt stress. <i>Plant, Cell and Environment</i> , 2006, 29, 1210-1219.	5.7	99
69	<i>OsGLU1</i> , A Putative Membrane-bound Endo-1,4- $\beta$ -D-glucanase from Rice, Affects Plant Internode Elongation. <i>Plant Molecular Biology</i> , 2006, 60, 137-151.	3.9	89
70	Cloning and comparative analysis of the gene encoding diacylglycerol acyltransferase from wild type and cultivated soybean. <i>Theoretical and Applied Genetics</i> , 2006, 112, 1086-1097.	3.6	49
71	<i>AtNAC2</i> , a transcription factor downstream of ethylene and auxin signaling pathways, is involved in salt stress response and lateral root development. <i>Plant Journal</i> , 2005, 44, 903-916.	5.7	634
72	<i>OsDREB4</i> Genes in Rice Encode AP2-Containing Proteins that Bind Specifically to the Dehydration-Responsive Element. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 467-476.	8.5	34

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73	Two New Group 3 LEA Genes of Wheat and Their Functional Analysis in Yeast. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1372-1381.	8.5	21
74	Soybean DRE-binding transcription factors that are responsive to abiotic stresses. <i>Theoretical and Applied Genetics</i> , 2005, 110, 1355-1362.	3.6	156
75	Cloning and characterization of an HDZip I gene GmHZ1 from soybean. <i>Planta</i> , 2005, 221, 831-843.	3.2	25
76	QTL mapping of phosphorus deficiency tolerance in soybean ( <i>Glycine max</i> L. Merr.). <i>Euphytica</i> , 2005, 142, 137-142.	1.2	84
77	A Putative Plasma Membrane Cation/proton Antiporter from Soybean Confers Salt Tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2005, 59, 809-820.	3.9	86
78	Characterization of a novel cell cycle-related gene from <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2005, 56, 807-816.	4.8	16
79	Isolation of trehalose-6-phosphate phosphatase gene from tobacco and its functional analysis in yeast cells. <i>Journal of Plant Physiology</i> , 2005, 162, 215-223.	3.5	32
80	Isolation and characterization of a Pti1 homologue from soybean. <i>Journal of Experimental Botany</i> , 2004, 55, 535-537.	4.8	21
81	Evidence for Serine/Threonine and Histidine Kinase Activity in the Tobacco Ethylene Receptor Protein NTHK2. <i>Plant Physiology</i> , 2004, 136, 2971-2981.	4.8	58
82	Characterization of soybean genomic features by analysis of its expressed sequence tags. <i>Theoretical and Applied Genetics</i> , 2004, 108, 903-913.	3.6	83
83	Genomic characterization of the S-adenosylmethionine decarboxylase genes from soybean. <i>Theoretical and Applied Genetics</i> , 2004, 108, 842-850.	3.6	26
84	Isolation and characterization of a full-length resistance gene homolog from soybean. <i>Theoretical and Applied Genetics</i> , 2003, 106, 786-793.	3.6	35
85	Characterization of a DRE-binding transcription factor from a halophyte <i>Atriplex hortensis</i> . <i>Theoretical and Applied Genetics</i> , 2003, 107, 155-161.	3.6	94
86	A new AOX homologous gene OsIM1 from rice ( <i>Oryza sativa</i> L.) with an alternative splicing mechanism under salt stress. <i>Theoretical and Applied Genetics</i> , 2003, 107, 326-331.	3.6	48
87	An AP2/EREBP-type transcription-factor gene from rice is cold-inducible and encodes a nuclear-localized protein. <i>Theoretical and Applied Genetics</i> , 2003, 107, 972-979.	3.6	66
88	A rice transcription factor OsbHLH1 is involved in cold stress response. <i>Theoretical and Applied Genetics</i> , 2003, 107, 1402-1409.	3.6	106
89	Serine/threonine kinase activity in the putative histidine kinase-like ethylene receptor NTHK1 from tobacco. <i>Plant Journal</i> , 2003, 33, 385-393.	5.7	91
90	Spatial Expression and Characterization of a Putative Ethylene Receptor Protein NTHK1 in Tobacco. <i>Plant and Cell Physiology</i> , 2002, 43, 810-815.	3.1	30

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91	AhCMO, regulated by stresses in <i>Atriplex hortensis</i> , can improve drought tolerance in transgenic tobacco. <i>Theoretical and Applied Genetics</i> , 2002, 105, 815-821.	3.6	72