

Shou-Yi Chen

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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.

97
papers

7,843
citations

49
h-index

88
g-index

100
ext. papers

9,747
ext. citations

7.5
avg, IF

5.47
L-index

#	Paper	IF	Citations
97	AtNAC2, 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, 903-16	6.9	540
96	Soybean WRKY-type transcription factor genes, GmWRKY13, GmWRKY21, and GmWRKY54, confer differential tolerance to abiotic stresses in transgenic Arabidopsis plants. <i>Plant Biotechnology Journal</i> , 2008 , 6, 486-503	11.6	426
95	Modulation of ethylene responses affects plant salt-stress responses. <i>Plant Physiology</i> , 2007 , 143, 707-16	10.6	379
94	De novo assembly of soybean wild relatives for pan-genome analysis of diversity and agronomic traits. <i>Nature Biotechnology</i> , 2014 , 32, 1045-52	44.5	375
93	Melatonin enhances plant growth and abiotic stress tolerance in soybean plants. <i>Journal of Experimental Botany</i> , 2015 , 66, 695-707	7	324
92	Soybean NAC transcription factors promote abiotic stress tolerance and lateral root formation in transgenic plants. <i>Plant Journal</i> , 2011 , 68, 302-13	6.9	317
91	Wheat WRKY genes TaWRKY2 and TaWRKY19 regulate abiotic stress tolerance in transgenic Arabidopsis plants. <i>Plant, Cell and Environment</i> , 2012 , 35, 1156-70	8.4	279
90	Receptor-like kinase OsSIK1 improves drought and salt stress tolerance in rice (<i>Oryza sativa</i>) plants. <i>Plant Journal</i> , 2010 , 62, 316-29	6.9	257
89	Identification of miRNAs and their target genes in developing soybean seeds by deep sequencing. <i>BMC Plant Biology</i> , 2011 , 11, 5	5.3	245
88	Soybean GmbZIP44, GmbZIP62 and GmbZIP78 genes function as negative regulator of ABA signaling and confer salt and freezing tolerance in transgenic Arabidopsis. <i>Planta</i> , 2008 , 228, 225-40	4.7	240
87	Melatonin delays leaf senescence and enhances salt stress tolerance in rice. <i>Journal of Pineal Research</i> , 2015 , 59, 91-101	10.4	184
86	The soybean Dof-type transcription factor genes, GmDof4 and GmDof11, enhance lipid content in the seeds of transgenic Arabidopsis plants. <i>Plant Journal</i> , 2007 , 52, 716-29	6.9	172
85	The ethylene receptor ETR2 delays floral transition and affects starch accumulation in rice. <i>Plant Cell</i> , 2009 , 21, 1473-94	11.6	160
84	Soybean GmMYB76, GmMYB92, and GmMYB177 genes confer stress tolerance in transgenic Arabidopsis plants. <i>Cell Research</i> , 2008 , 18, 1047-60	24.7	156
83	The Role of Ethylene in Plants Under Salinity Stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 1059	6.2	145
82	Soybean DRE-binding transcription factors that are responsive to abiotic stresses. <i>Theoretical and Applied Genetics</i> , 2005 , 110, 1355-62	6	137
81	GmWRKY27 interacts with GmMYB174 to reduce expression of GmNAC29 for stress tolerance in soybean plants. <i>Plant Journal</i> , 2015 , 83, 224-36	6.9	109

80	Ethylene signaling in rice and Arabidopsis: conserved and diverged aspects. <i>Molecular Plant</i> , 2015 , 8, 495-505	14.4	107
79	Genome-wide analysis of DNA methylation in soybean. <i>Molecular Plant</i> , 2013 , 6, 1961-74	14.4	106
78	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, 148-65	6.6	104
77	Plant NAC-type transcription factor proteins contain a NARD domain for repression of transcriptional activation. <i>Planta</i> , 2010 , 232, 1033-43	4.7	104
76	An R2R3-type transcription factor gene AtMYB59 regulates root growth and cell cycle progression in Arabidopsis. <i>Cell Research</i> , 2009 , 19, 1291-304	24.7	93
75	A rice transcription factor OsbHLH1 is involved in cold stress response. <i>Theoretical and Applied Genetics</i> , 2003 , 107, 1402-9	6	88
74	Serine/threonine kinase activity in the putative histidine kinase-like ethylene receptor NTHK1 from tobacco. <i>Plant Journal</i> , 2003 , 33, 385-93	6.9	86
73	Soybean Trihelix transcription factors GmGT-2A and GmGT-2B improve plant tolerance to abiotic stresses in transgenic Arabidopsis. <i>PLoS ONE</i> , 2009 , 4, e6898	3.7	84
72	Characterization of a DRE-binding transcription factor from a halophyte <i>Atriplex hortensis</i> . <i>Theoretical and Applied Genetics</i> , 2003 , 107, 155-61	6	83
71	Expression of tobacco ethylene receptor NTHK1 alters plant responses to salt stress. <i>Plant, Cell and Environment</i> , 2006 , 29, 1210-9	8.4	81
70	A putative plasma membrane cation/proton antiporter from soybean confers salt tolerance in Arabidopsis. <i>Plant Molecular Biology</i> , 2005 , 59, 809-20	4.6	79
69	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, 1752-65	6.6	78
68	Ethylene signaling regulates salt stress response: An overview. <i>Plant Signaling and Behavior</i> , 2008 , 3, 761-3	2.5	78
67	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, 1830-48	14.4	76
66	Characterization of soybean genomic features by analysis of its expressed sequence tags. <i>Theoretical and Applied Genetics</i> , 2004 , 108, 903-13	6	76
65	EIN2 regulates salt stress response and interacts with a MA3 domain-containing protein ECIP1 in Arabidopsis. <i>Plant, Cell and Environment</i> , 2011 , 34, 1678-92	8.4	74
64	Ethylene responses in rice roots and coleoptiles are differentially regulated by a carotenoid isomerase-mediated abscisic acid pathway. <i>Plant Cell</i> , 2015 , 27, 1061-81	11.6	72
63	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	6	68

62	Soybean GmPHD-type transcription regulators improve stress tolerance in transgenic Arabidopsis plants. <i>PLoS ONE</i> , 2009 , 4, e7209	3.7	68
61	A PP2C-1 Allele Underlying a Quantitative Trait Locus Enhances Soybean 100-Seed Weight. <i>Molecular Plant</i> , 2017 , 10, 670-684	14.4	66
60	OsGLU1, a putative membrane-bound endo-1,4-beta-D-glucanase from rice, affects plant internode elongation. <i>Plant Molecular Biology</i> , 2006 , 60, 137-51	4.6	66
59	QTL mapping of phosphorus deficiency tolerance in soybean (<i>Glycine max</i> L. Merr.). <i>Euphytica</i> , 2005 , 142, 137-142	2.1	62
58	Three SAUR proteins SAUR76, SAUR77 and SAUR78 promote plant growth in Arabidopsis. <i>Scientific Reports</i> , 2015 , 5, 12477	4.9	60
57	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, 972-9	6	60
56	Soybean GmbZIP123 gene enhances lipid content in the seeds of transgenic Arabidopsis plants. <i>Journal of Experimental Botany</i> , 2013 , 64, 4329-41	7	58
55	Role of soybean GmbZIP132 under abscisic acid and salt stresses. <i>Journal of Integrative Plant Biology</i> , 2008 , 50, 221-30	8.3	58
54	Soybean GmMYB73 promotes lipid accumulation in transgenic plants. <i>BMC Plant Biology</i> , 2014 , 14, 73	5.3	57
53	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	6	55
52	Effects of tobacco ethylene receptor mutations on receptor kinase activity, plant growth and stress responses. <i>Plant and Cell Physiology</i> , 2009 , 50, 1636-50	4.9	52
51	Evidence for serine/threonine and histidine kinase activity in the tobacco ethylene receptor protein NTHK2. <i>Plant Physiology</i> , 2004 , 136, 2971-81	6.6	52
50	The transcriptomic signature of developing soybean seeds reveals the genetic basis of seed trait adaptation during domestication. <i>Plant Journal</i> , 2016 , 86, 530-44	6.9	50
49	DREB1C from <i>Medicago truncatula</i> enhances freezing tolerance in transgenic <i>M. truncatula</i> and China Rose (<i>Rosa chinensis</i> Jacq.). <i>Plant Growth Regulation</i> , 2010 , 60, 199-211	3.2	49
48	Soybean miR172a Improves Salt Tolerance and Can Function as a Long-Distance Signal. <i>Molecular Plant</i> , 2016 , 9, 1337-1340	14.4	43
47	The Alfin-like homeodomain finger protein AL5 suppresses multiple negative factors to confer abiotic stress tolerance in Arabidopsis. <i>Plant Journal</i> , 2015 , 81, 871-83	6.9	41
46	Roles of ethylene receptor NTHK1 domains in plant growth, stress response and protein phosphorylation. <i>FEBS Letters</i> , 2006 , 580, 1239-50	3.8	41
45	Cloning and comparative analysis of the gene encoding diacylglycerol acyltransferase from wild type and cultivated soybean. <i>Theoretical and Applied Genetics</i> , 2006 , 112, 1086-97	6	40

44	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, 326-31	6	40
43	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	11.5	39
42	Selection for a Zinc-Finger Protein Contributes to Seed Oil Increase during Soybean Domestication. <i>Plant Physiology</i> , 2017 , 173, 2208-2224	6.6	38
41	Ethylene-Inhibited Jasmonic Acid Biosynthesis Promotes Mesocotyl/Coleoptile Elongation of Etiolated Rice Seedlings. <i>Plant Cell</i> , 2017 , 29, 1053-1072	11.6	38
40	The transcription factor AtDOF4.2 regulates shoot branching and seed coat formation in Arabidopsis. <i>Biochemical Journal</i> , 2013 , 449, 373-88	3.8	37
39	GmWRKY54 improves drought tolerance through activating genes in abscisic acid and Ca signaling pathways in transgenic soybean. <i>Plant Journal</i> , 2019 , 100, 384-398	6.9	36
38	Isolation and Characterization of a Salt- and Drought-inducible Gene for S-adenosylmethionine Decarboxylase from Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Plant Physiology</i> , 2000 , 156, 386-393	3.6	36
37	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	9.8	32
36	NIMA-related kinase NEK6 affects plant growth and stress response in Arabidopsis. <i>Plant Journal</i> , 2011 , 68, 830-43	6.9	31
35	Isolation and characterization of a full-length resistance gene homolog from soybean. <i>Theoretical and Applied Genetics</i> , 2003 , 106, 786-93	6	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	6.6	30
33	Enhancement of salt tolerance in alfalfa transformed with the gene encoding for betaine aldehyde dehydrogenase. <i>Euphytica</i> , 2011 , 178, 363-372	2.1	30
32	A Histone Code Reader and a Transcriptional Activator Interact to Regulate Genes for Salt Tolerance. <i>Plant Physiology</i> , 2017 , 175, 1304-1320	6.6	29
31	Trihelix transcription factor GT-4 mediates salt tolerance via interaction with TEM2 in Arabidopsis. <i>BMC Plant Biology</i> , 2014 , 14, 339	5.3	29
30	Diverse Roles of Ethylene in Regulating Agronomic Traits in Rice. <i>Frontiers in Plant Science</i> , 2017 , 8, 16766.2		28
29	Spatial expression and characterization of a putative ethylene receptor protein NTHK1 in tobacco. <i>Plant and Cell Physiology</i> , 2002 , 43, 810-5	4.9	28
28	OsDREB4 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	8.3	27
27	Genomic characterization of the S-adenosylmethionine decarboxylase genes from soybean. <i>Theoretical and Applied Genetics</i> , 2004 , 108, 842-50	6	23

26	Cloning and characterization of an HDZip I gene GmHZ1 from soybean. <i>Planta</i> , 2005 , 221, 831-43	4.7	23
25	Soybean GmDREBL Increases Lipid Content in Seeds of Transgenic Arabidopsis. <i>Scientific Reports</i> , 2016 , 6, 34307	4.9	21
24	Ethylene signaling in rice and Arabidopsis: New regulators and mechanisms. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 102-125	8.3	21
23	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	8.3	20
22	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	11.5	19
21	Isolation and characterization of a Pti1 homologue from soybean. <i>Journal of Experimental Botany</i> , 2004 , 55, 535-7	7	19
20	Analysis of expressed receptor-like kinases (RLKs) in soybean. <i>Journal of Genetics and Genomics</i> , 2009 , 36, 611-9	4	18
19	Tobacco ankyrin protein NEIP2 interacts with ethylene receptor NTHK1 and regulates plant growth and stress responses. <i>Plant and Cell Physiology</i> , 2015 , 56, 803-18	4.9	17
18	Histidine kinase MHZ1/OsHK1 interacts with ethylene receptors to regulate root growth in rice. <i>Nature Communications</i> , 2020 , 11, 518	17.4	16
17	An Alfin-like gene from <i>Atriplex hortensis</i> enhances salt and drought tolerance and abscisic acid response in transgenic Arabidopsis. <i>Scientific Reports</i> , 2018 , 8, 2707	4.9	15
16	Activation of a DRE-binding transcription factor from <i>Medicago truncatula</i> by deleting a Ser/Thr-rich region. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009 , 45, 1-11	2.3	15
15	Characterization of a novel cell cycle-related gene from Arabidopsis. <i>Journal of Experimental Botany</i> , 2005 , 56, 807-16	7	15
14	The Putative Ser/Thr Protein Kinase Gene GmAAPK from Soybean is Regulated by Abiotic Stress. <i>Journal of Integrative Plant Biology</i> , 2006 , 48, 327-333	8.3	11
13	Soybean NIMA-Related Kinase1 Promotes Plant Growth and Improves Salt and Cold Tolerance. <i>Plant and Cell Physiology</i> , 2017 , 58, 1268-1278	4.9	9
12	The GDSL Lipase MHZ11 Modulates Ethylene Signaling in Rice Roots. <i>Plant Cell</i> , 2020 , 32, 1626-1643	11.6	9
11	Development of Soybean EST-SSR Markers and Their Use to Assess Genetic Diversity in the Subgenus Soja. <i>Agricultural Sciences in China</i> , 2010 , 9, 1423-1429		8
10	A transcriptional regulatory module controls lipid accumulation in soybean. <i>New Phytologist</i> , 2021 , 231, 661-678	9.8	7
9	Roles of Ethylene in Plant Growth and Responses to Stresses 2014 , 81-118		6

8	Ethylene Biosynthesis, Signaling, and Crosstalk with Other Hormones in Rice. <i>Small Methods</i> , 2020 , 4, 1900278	12.8	5
7	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	11.6	5
6	The continuous accumulation of Na in detached leaf sections is associated with over-expression of NTHK1 and salt tolerance in poplar plants. <i>Functional Plant Biology</i> , 2011 , 38, 236-245	2.7	4
5	Rapid construction of a plant RNA interference expression vector for hairpin RNA-mediated targeting using a PCR-based method. <i>DNA and Cell Biology</i> , 2009 , 28, 605-13	3.6	4
4	Leveraging <i>Atriplex hortensis</i> choline monooxygenase to improve chilling tolerance in cotton. <i>Environmental and Experimental Botany</i> , 2019 , 162, 364-373	5.9	3
3	RNA Extraction and Preparation in Rice (<i>Oryza sativa</i>). <i>Current Protocols in Plant Biology</i> , 2016 , 1, 411-418.8	1.8	3
2	Establishment of a transgenic system in fast-growing black locust (<i>Robinia pseudoacacia</i> L.). <i>Forestry Studies in China</i> , 2008 , 10, 243-252		3
1	Simple Methods for Screening and Statistical Analysis of Leaf Epidermal Cells in Dicotyledonous Plants. <i>Bio-protocol</i> , 2016 , 6,	0.9	3