Kazuo Shinozaki

List of Publications by Year
in descending order

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618 papers	132,284 citations	57 177 h-index	114 342 g-index
634 all docs	634 docs citations	634 times ranked	46427 citing authors

#	Article	IF	Citations
1	The overexpression of NCED results in waterlogging sensitivity in soybean. Plant Stress, 2022, 3, 100047.	2.7	7
2	CIN-like TCP13 is essential for plant growth regulation under dehydration stress. Plant Molecular Biology, 2022, 108, 257-275.	2.0	16
3	Affinity Purification Followed by Liquid â€“Tandem Mass to Identify Proteins Interacting with Components. Methods in Molecular Biology, 2022, 2462, 181-189.	0.4	0
4	Characterization of photosystem II assembly complexes containing ONE-HELIX PROTEIN1 in Arabidopsis thaliana. Journal of Plant Research, 2022, 135, 361.	1.2	1
5	Arabidopsis TBP-ASSOCIATED FACTOR 12 ortholog NOBIRO6 controls root elongation with unfolded protein response cofactor activity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	10
6	Interâ€tissue and interâ€organ signaling in drought stress response and phenotyping of drought tolerance. Plant Journal, 2022, 109, 342-358.	2.8	50
7	Transcriptional regulatory network of plant cold-stress responses. Trends in Plant Science, 2022, 27, 922-935.	4.3	115
8	Longâ€distance stress and developmental signals associated with abscisic acid signaling in environmental responses. Plant Journal, 2021, 105, 477-488.	2.8	23
9	Brachypodium BdABCG25 is a homolog of Arabidopsis AtABCG25 involved in the transport of abscisic acid. FEBS Letters, 2021, 595, 954-959.	1.3	8
10	High affinity promoter binding of STOP1 is essential for early expression of novel aluminum-induced resistance genes GDH1 and GDH2 in Arabidopsis. Journal of Experimental Botany, 2021, 72, 2769-2789.	2.4	28
11	Posttranslational regulation of multiple clock-related transcription factors triggers cold-inducible gene expression in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
12	Cytosolic <scp>HSC70s</scp> repress heat stress tolerance and enhance seed germination under salt stress conditions. Plant, Cell and Environment, 2021, 44, 1788-1801.	2.8	16
13	Cellular Phosphorylation Signaling and Gene Expression in Drought Stress Responses: ABA-Dependent and ABA-Independent Regulatory Systems. Plants, 2021, 10, 756.	1.6	64
14	Transcriptome Analysis of Chloris virgata, Which Shows the Fastest Germination and Growth in the Major Mongolian Grassland Plant. Frontiers in Plant Science, 2021, 12, 684987.	1.7	1
15	Arabidopsis group C Raf-like protein kinases negatively regulate abscisic acid signaling and are direct substrates of SnRK2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
16	How utilizing the genes involved in drought tolerance could tackle the climate change-related food crisis?. Molecular Plant, 2021, 14, 1601-1603.	3.9	4
17	Raf-like kinases CBC1 and CBC2 negatively regulate stomatal opening by negatively regulating plasma membrane H+-ATPase phosphorylation in Arabidopsis. Photochemical and Photobiological Sciences, 2020, 19, 88-98.	1.6	16
18	DNA demethylase ROS1 prevents inheritable DREB1A/CBF3 repression by transgene-induced promoter methylation in the Arabidopsis ice1-1 mutant. Plant Molecular Biology, 2020, 104, 575-582.	2.0	7

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19	Large-Scale Phosphoproteomic Study of Arabidopsis Membrane Proteins Reveals Early Signaling Events in Response to Cold. International Journal of Molecular Sciences, 2020, 21, 8631.	1.8	19
20	CIPK23 regulates blue lightâ€dependent stomatal opening in Arabidopsis thaliana. Plant Journal, 2020, 104, 679-692.	2.8	18
21	Drought Stress Responses and Resistance in Plants: From Cellular Responses to Long-Distance Intercellular Communication. Frontiers in Plant Science, 2020, 11, 556972.	1.7	199
22	Effect of small coding genes on the circadian rhythms under elevated CO2 conditions in plants. Plant Molecular Biology, 2020, 104, 55-65.	2.0	2
23	Arabidopsis SMN2/HEN2, Encoding DEAD-Box RNA Helicase, Governs Proper Expression of the Resistance Gene SMN1/RPS6 and Is Involved in Dwarf, Autoimmune Phenotypes of mekk1 and mpk4 Mutants. Plant and Cell Physiology, 2020, 61, 1507-1516.	1.5	21
24	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. Nature Communications, 2020, 11, 1373.	5.8	104
25	DREB1A/CBF3 Is Repressed by Transgene-Induced DNA Methylation in the Arabidopsis ice1-1 Mutant. Plant Cell, 2020, 32, 1035-1048.	3.1	42
26	Metabolite/phytohormoneâ€“gene regulatory networks in soybean organs under dehydration conditions revealed by integration analysis. Plant Journal, 2020, 103, 197-211.	2.8	10
27	Overexpression of AtNCED3 gene improved drought tolerance in soybean in greenhouse and field conditions. Genetics and Molecular Biology, 2020, 43, e20190292.	0.6	21
28	Comparative Phosphoproteomic Analysis Reveals a Decay of ABA Signaling in Barley Embryos during After-Ripening. Plant and Cell Physiology, 2019, 60, 2758-2768.	1.5	14
29	ABA-responsive gene expression in response to drought stress: cellular regulation and long-distance signaling. Advances in Botanical Research, 2019, , 83-113.	0.5	18
30	Hormone-like peptides and small coding genes in plant stress signaling and development. Current Opinion in Plant Biology, 2019, 51, 88-95.	3.5	76
31	SnRK2 protein kinases represent an ancient system in plants for adaptation to a terrestrial environment. Communications Biology, 2019, 2, 30.	2.0	76
32	Comparative Phosphoproteomic Analysis of Barley Embryos with Different Dormancy during Imbibition. International Journal of Molecular Sciences, 2019, 20, 451.	1.8	11
33	NF-YB2 and NF-YB3 Have Functionally Diverged and Differentially Induce Drought and Heat Stress-Specific Genes. Plant Physiology, 2019, 180, 1677-1690.	2.3	62
34	Transcriptome analysis of soybean (Glycine max) root genes differentially expressed in rhizobial, arbuscular mycorrhizal, and dual symbiosis. Journal of Plant Research, 2019, 132, 541-568.	1.2	22
35	Heat-induced inhibition of phosphorylation of the stress-protective transcription factor DREB2A promotes thermotolerance of Arabidopsis thaliana. Journal of Biological Chemistry, 2019, 294, 902-917.	1.6	62
36	Long-distance signaling in plant stress response. Current Opinion in Plant Biology, 2019, 47, 106-111.	3.5	135

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37	A geneâ€stacking approach to overcome the tradeâ€off between drought stress tolerance and growth in Arabidopsis. Plant Journal, 2019, 97, 240-256.	2.8	63
38	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. Nature, 2018, 556, 235-238.	13.7	396
39	Phosphoproteomic profiling reveals <scp>ABA</scp>â€responsive phosphosignaling pathways in Physcomitrella patens. Plant Journal, 2018, 94, 699-708.	2.8	48
40	ER-Anchored Transcription Factors bZIP17 and bZIP28 Regulate Root Elongation. Plant Physiology, 2018, 176, 2221-2230.	2.3	74
41	Stable Accumulation of Photosystem II Requires ONE-HELIX PROTEIN1 (OHP1) of the Light Harvesting-Like Family. Plant Physiology, 2018, 176, 2277-2291.	2.3	54
42	Brassinosteroids regulate vacuolar morphology in root meristem cells of Arabidopsis thaliana. Plant Signaling and Behavior, 2018, 13, e1417722.	1.2	7
43	ABA Transport and Plant Water Stress Responses. Trends in Plant Science, 2018, 23, 513-522.	4.3	343
44	Arabidopsis thaliana NGATHA1 transcription factor induces ABA biosynthesis by activating NCED3 gene during dehydration stress. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11178-E11187.	3.3	106
45	Regulatory Gene Networks in Drought Stress Responses and Resistance in Plants. Advances in Experimental Medicine and Biology, 2018, 1081, 189-214.	0.8	91
46	AtPep3 is a hormone-like peptide that plays a role in the salinity stress tolerance of plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5810-5815.	3.3	89
47	HEAT INDUCIBLE LIPASE1 Remodels Chloroplastic Monogalactosyldiacylglycerol by Liberating Î±-Linolenic Acid in Arabidopsis Leaves under Heat Stress. Plant Cell, 2018, 30, 1887-1905.	3.1	71
48	Application of Biotechnology to Generate Drought-Tolerant Soybean Plants in Brazil: Development of Genetic Engineering Technology of Crops with Stress Tolerance Against Degradation of Global Environment. , 2018, , 111-130.		5
49	FPX is a Novel Chemical Inducer that Promotes Callus Formation and Shoot Regeneration in Plants. Plant and Cell Physiology, 2018, 59, 1555-1567.	1.5	26
50	RIPPS: A Plant Phenotyping System for Quantitative Evaluation of Growth Under Controlled Environmental Stress Conditions. Plant and Cell Physiology, 2018, 59, 2030-2038.	1.5	26
51	Transcriptional alterations during proliferation and lignification in Phyllostachys nigra cells. Scientific Reports, 2018, 8, 11347.	1.6	30
52	Information Resources for Functional Genomics Studies in Brachypodium distachyon. Methods in Molecular Biology, 2018, 1667, 87-99.	0.4	0
53	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. Nature Plants, 2017, 3, 16204.	4.7	97
54	Enhancement of abiotic stress tolerance in poplar by overexpression of key Arabidopsis stress response genes, AtSRK2C and AtGolS2. Molecular Breeding, 2017, 37, 1.	1.0	14

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55	NLR locus-mediated trade-off between abiotic and biotic stress adaptation in Arabidopsis. Nature Plants, 2017, 3, 17072.	4.7	53
56	Overexpression of an Arabidopsis thaliana galactinol synthase gene improves drought tolerance in transgenic rice and increased grain yield in the field. Plant Biotechnology Journal, 2017, 15, 1465-1477.	4.1	149
57	Different Cold-Signaling Pathways Function in the Responses to Rapid and Gradual Decreases in Temperature. Plant Cell, 2017, 29, 760-774.	3.1	158
58	Analysis of plant hormone profiles in response to moderate dehydration stress. Plant Journal, 2017, 90, 17-36.	2.8	103
59	Temporal and spatial changes in gene expression, metabolite accumulation and phytohormone content in rice seedlings grown under drought stress conditions. Plant Journal, 2017, 90, 61-78.	2.8	173
60	Functional relationship of AtABCG21 and AtABCG22 in stomatal regulation. Scientific Reports, 2017, 7, 12501.	1.6	12
61	Tyrosine phosphorylation of the GARU E3 ubiquitin ligase promotes gibberellin signalling by preventing GID1 degradation. Nature Communications, 2017, 8, 1004.	5.8	47
62	A Highly Specific Genome-Wide Association Study Integrated with Transcriptome Data Reveals the Contribution of Copy Number Variations to Specialized Metabolites in Arabidopsis thaliana Accessions. Molecular Biology and Evolution, 2017, 34, 3111-3122.	3.5	14
63	BPM-CUL3 E3 ligase modulates thermotolerance by facilitating negative regulatory domain-mediated degradation of DREB2A in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8528-E8536.	3.3	82
64	Novel Stress-Inducible Antisense RNAs of Protein-Coding Loci Are Synthesized by RNA-Dependent RNA Polymerase. Plant Physiology, 2017, 175, 457-472.	2.3	16
65	Evolutionarily conserved BIL4 suppresses the degradation of brassinosteroid receptor BRI1 and regulates cell elongation. Scientific Reports, 2017, 7, 5739.	1.6	28
66	Acetate-mediated novel survival strategy against drought in plants. Nature Plants, 2017, 3, 17097.	4.7	232
67	Design of an optimal promoter involved in the heatâ€induced transcriptional pathway in Arabidopsis, soybean, rice and maize. Plant Journal, 2017, 89, 671-680.	2.8	28
68	Transcriptional Regulatory Network of Plant Heat Stress Response. Trends in Plant Science, 2017, 22, 53-65.	4.3	782
69	Double overexpression of <scp>DREB</scp> and <scp>PIF</scp> transcription factors improves drought stress tolerance and cell elongation in transgenic plants. Plant Biotechnology Journal, 2017, 15, 458-471.	4.1	145
70	Simultaneous Silencing of Two Arginine Decarboxylase Genes Alters Development in Arabidopsis. Frontiers in Plant Science, 2016, 7, 300.	1.7	20
71	Optimization of CRISPR/Cas9 genome editing to modify abiotic stress responses in plants. Scientific Reports, 2016, 6, 26685.	1.6	270
72	Molecular, physiological, and agronomical characterization, in greenhouse and in field conditions, of soybean plants genetically modified with AtGolS2 gene for drought tolerance. Molecular Breeding, 2016, 36, 1.	1.0	21

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73	Analysis of single nucleotide polymorphisms based on RNA sequencing data of diverse bio-geographical accessions in barley. Scientific Reports, 2016, 6, 33199.	1.6	25
74	The <scp>A</scp>rabidopsis transcriptional regulator <scp>DPB</scp>3â€1 enhances heat stress tolerance without growth retardation in rice. Plant Biotechnology Journal, 2016, 14, 1756-1767.	4.1	55
75	Overexpression of AtABCG25 enhances the abscisic acid signal in guard cells and improves plant water use efficiency. Plant Science, 2016, 251, 75-81.	1.7	45
76	The Transcriptional Cascade in the Heat Stress Response of Arabidopsis Is Strictly Regulated at the Level of Transcription Factor Expression. Plant Cell, 2016, 28, 181-201.	3.1	152
77	Library Resources: BACs, ESTs, Full-Length cDNAs, and Y2H. Plant Genetics and Genomics: Crops and Models, 2015, , 171-181.	0.3	1
78	Transcriptome analysis of hormone-induced gene expression in Brachypodium distachyon. Scientific Reports, 2015, 5, 14476.	1.6	39
79	Wheat germ-based protein libraries for the functional characterisation of the Arabidopsis E2 ubiquitin conjugating enzymes and the RING-type E3 ubiquitin ligase enzymes. BMC Plant Biology, 2015, 15, 275.	1.6	40
80	SNACâ€As, stressâ€responsive NAC transcription factors, mediate ABAâ€inducible leaf senescence. Plant Journal, 2015, 84, 1114-1123.	2.8	202
81	Novel Abscisic Acid Antagonists Identified with Chemical Array Screening. ChemBioChem, 2015, 16, 2471-2478.	1.3	14
82	Plant-PrAS: A Database of Physicochemical and Structural Properties and Novel Functional Regions in Plant Proteomes. Plant and Cell Physiology, 2015, 56, e11-e11.	1.5	15
83	Landscape of the lipidome and transcriptome under heat stress in Arabidopsis thaliana. Scientific Reports, 2015, 5, 10533.	1.6	171
84	Polyamine Transport Systems in Plants. , 2015, , 179-185.		6
85	Recent advances in the dissection of drought-stress regulatory networks and strategies for development of drought-tolerant transgenic rice plants. Frontiers in Plant Science, 2015, 6, 84.	1.7	334
86	Determination of growth stages and metabolic profiles in Brachypodium distachyon for comparison of developmental context with Triticeae crops. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150964.	1.2	33
87	AtPHT4;4 is a chloroplast-localized ascorbate transporter in Arabidopsis. Nature Communications, 2015, 6, 5928.	5.8	145
88	Two Distinct Families of Protein Kinases Are Required for Plant Growth under High External Mg²⁺ Concentrations in Arabidopsis. Plant Physiology, 2015, 167, 1039-1057.	2.3	51
89	Members of the Plant CRK Superfamily Are Capable of Trans- and Autophosphorylation of Tyrosine Residues. Journal of Biological Chemistry, 2015, 290, 16665-16677.	1.6	46
90	Transcriptome analysis of thermogenic Arum concinnatum reveals the molecular components of floral scent production. Scientific Reports, 2015, 5, 8753.	1.6	31

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91	Soybean <scp>DREB</scp>1/<scp>CBF</scp>â€type transcription factors function in heat and drought as well as cold stressâ€responsive gene expression. Plant Journal, 2015, 81, 505-518.	2.8	255
92	Four <scp>A</scp>rabidopsisâ€...<scp>AREB</scp>/<scp>ABF</scp> transcription factors function predominantly in gene expression downstream of <scp>SnRK2</scp> kinases in abscisic acid signalling in response to osmotic stress. Plant, Cell and Environment, 2015, 38, 35-49.	2.8	491
93	Comparison of Leaf Sheath Transcriptome Profiles with Physiological Traits of Bread Wheat Cultivars under Salinity Stress. PLoS ONE, 2015, 10, e0133322.	1.1	33
94	Phosphorylation Networks in the Abscisic Acid Signaling Pathway. The Enzymes, 2014, 35, 27-56.	0.7	12
95	Substantial expression of novel small open reading frames inOryza sativa. Plant Signaling and Behavior, 2014, 9, e27848.	1.2	9
96	Response of plants to water stress. Frontiers in Plant Science, 2014, 5, 86.	1.7	1,091
97	Enhancement of oxidative and drought tolerance in Arabidopsis by overaccumulation of antioxidant flavonoids. Plant Journal, 2014, 77, 367-379.	2.8	911
98	Arabidopsis DPB3-1, a DREB2A Interactor, Specifically Enhances Heat Stress-Induced Gene Expression by Forming a Heat Stress-Specific Transcriptional Complex with NF-Y Subunits. Plant Cell, 2014, 26, 4954-4973.	3.1	143
99	Approaches for enhancement of <scp>N</scp>₂ fixation efficiency of chickpea (<scp>C</scp>icer arietinum L.) under limiting nitrogen conditions. Plant Biotechnology Journal, 2014, 12, 387-397.	4.1	36
100	Correlations between predicted protein disorder and post-translational modifications in plants. Bioinformatics, 2014, 30, 1095-1103.	1.8	36
101	RARGE II: An Integrated Phenotype Database of Arabidopsis Mutant Traits Using a Controlled Vocabulary. Plant and Cell Physiology, 2014, 55, e4-e4.	1.5	32
102	The transcriptional regulatory network in the drought response and its crosstalk in abiotic stress responses including drought, cold, and heat. Frontiers in Plant Science, 2014, 5, 170.	1.7	684
103	Identification of Polyamine Transporters in Plants: Paraquat Transport Provides Crucial Clues. Plant and Cell Physiology, 2014, 55, 855-861.	1.5	72
104	Positive regulatory role of strigolactone in plant responses to drought and salt stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 851-856.	3.3	555
105	Comparative functional analysis of six drought-responsive promoters in transgenic rice. Planta, 2014, 239, 47-60.	1.6	65
106	Interview with Kazuo Shinozaki. Trends in Plant Science, 2014, 19, 681-682.	4.3	1
107	Drought Stress Signaling Network. , 2014, , 383-409.		23
108	ABA control of plant macroelement membrane transport systems in response to water deficit and high salinity. New Phytologist, 2014, 202, 35-49.	3.5	321

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109	Mechanisms of physiological adjustment of N₂ fixation in Cicer arietinum L. (chickpea) during early stages of water deficit: single or multiâ€factor controls. Plant Journal, 2014, 79, 964-980.	2.8	46
110	Integrated analysis of transcriptome and metabolome of Arabidopsis albino or pale green mutants with disrupted nuclear-encoded chloroplast proteins. Plant Molecular Biology, 2014, 85, 411-428.	2.0	48
111	Integrated Analysis of the Effects of Cold and Dehydration on Rice Metabolites, Phytohormones, and Gene Transcripts. Plant Physiology, 2014, 164, 1759-1771.	2.3	228
112	Intertissue Signal Transfer of Abscisic Acid from Vascular Cells to Guard Cells Â. Plant Physiology, 2014, 164, 1587-1592.	2.3	123
113	Arabidopsis galactinol synthase AtGolS2 improves drought tolerance in the monocot model Brachypodium distachyon. Journal of Plant Physiology, 2014, 171, 1127-1131.	1.6	50
114	Functional analysis of the Hikeshi-like protein and its interaction with HSP70 in Arabidopsis. Biochemical and Biophysical Research Communications, 2014, 450, 396-400.	1.0	19
115	ABA Transport by ABCG Transporter Proteins. Signaling and Communication in Plants, 2014, , 39-47.	0.5	0
116	Arabidopsis AHP2, AHP3, and AHP5 histidine phosphotransfer proteins function as redundant negative regulators of drought stress response. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4840-4845.	3.3	191
117	Stress Signaling Networks: Drought Stress. , 2013, , 1-23.		3
118	Sensing the environment: key roles of membrane-localized kinases in plant perception and response to abiotic stress. Journal of Experimental Botany, 2013, 64, 445-458.	2.4	325
119	Osmotic Stress Responses and Plant Growth Controlled by Potassium Transporters inArabidopsisÂ Â. Plant Cell, 2013, 25, 609-624.	3.1	350
120	Small open reading frames associated with morphogenesis are hidden in plant genomes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2395-2400.	3.3	178
121	DNA-binding domains of plant-specific transcription factors: structure, function, and evolution. Trends in Plant Science, 2013, 18, 267-276.	4.3	229
122	Characterization of the Promoter Region of an Arabidopsis Gene for 9-cis-Epoxycarotenoid Dioxygenase Involved in Dehydration-Inducible Transcription. DNA Research, 2013, 20, 315-324.	1.5	93
123	The Chloroplast Function Database II: A Comprehensive Collection of Homozygous Mutants and Their Phenotypic/Genotypic Traits for Nuclear-Encoded Chloroplast Proteins. Plant and Cell Physiology, 2013, 54, e2-e2.	1.5	34
124	Genome-Wide Analysis of ZmDREB Genes and Their Association with Natural Variation in Drought Tolerance at Seedling Stage of Zea mays L. PLoS Genetics, 2013, 9, e1003790.	1.5	280
125	The Auxin Response Factor Transcription Factor Family in Soybean: Genome-Wide Identification and Expression Analyses During Development and Water Stress. DNA Research, 2013, 20, 511-524.	1.5	151
126	PRIMe Update: Innovative Content for Plant Metabolomics and Integration of Gene Expression and Metabolite Accumulation. Plant and Cell Physiology, 2013, 54, e5-e5.	1.5	76

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127	Genetics and Phosphoproteomics Reveal a Protein Phosphorylation Network in the Abscisic Acid Signaling Pathway in Arabidopsis thaliana. Science Signaling, 2013, 6, rs8.	1.6	355
128	Unlocking Triticeae genomics to sustainably feed the future. Plant and Cell Physiology, 2013, 54, 1931-1950.	1.5	61
129	OsTZF1, a CCCH-Tandem Zinc Finger Protein, Confers Delayed Senescence and Stress Tolerance in Rice by Regulating Stress-Related Genes Â Â. Plant Physiology, 2013, 161, 1202-1216.	2.3	247
130	TreeTFDB: An Integrative Database of the Transcription Factors from Six Economically Important Tree Crops for Functional Predictions and Comparative and Functional Genomics. DNA Research, 2013, 20, 151-162.	1.5	25
131	HsfA1d, a Protein Identified via FOX Hunting Using Thellungiella salsuginea cDNAs Improves Heat Tolerance by Regulating Heat-Stress-Responsive Gene Expression. Molecular Plant, 2013, 6, 411-422.	3.9	52
132	Genome-Wide Discovery and Information Resource Development of DNA Polymorphisms in Cassava. PLoS ONE, 2013, 8, e74056.	1.1	12
133	Protein Phosphorylation Network in Abscisic Acid Signaling. , 2013, , 155-164.		1
134	Large-Scale Collection and Analysis of Full-Length cDNAs from Brachypodium distachyon and Integration with Pooideae Sequence Resources. PLoS ONE, 2013, 8, e75265.	1.1	27
135	Stabilization of Arabidopsis DREB2A Is Required but Not Sufficient for the Induction of Target Genes under Conditions of Stress. PLoS ONE, 2013, 8, e80457.	1.1	52
136	Positional correlation analysis improves reconstruction of full-length transcripts and alternative isoforms from noisy array signals or short reads. Bioinformatics, 2012, 28, 929-937.	1.8	6
137	Isolation of Arabidopsis ahg11, a weak ABA hypersensitive mutant defective in nad4 RNA editing. Journal of Experimental Botany, 2012, 63, 5301-5310.	2.4	61
138	Transcriptome Analysis Using a High-Density Oligomicroarray under Drought Stress in Various Genotypes of Cassava: An Important Tropical Crop. DNA Research, 2012, 19, 335-345.	1.5	101
139	Loss of the Plastid Envelope Protein AtLrgB Causes Spontaneous Chlorotic Cell Death in Arabidopsis thaliana. Plant and Cell Physiology, 2012, 53, 125-134.	1.5	24
140	Natural variation in a polyamine transporter determines paraquat tolerance in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6343-6347.	3.3	115
141	Structural Basis for Sequence-specific DNA Recognition by an Arabidopsis WRKY Transcription Factor. Journal of Biological Chemistry, 2012, 287, 7683-7691.	1.6	95
142	GmDREB2A;2, a Canonical DEHYDRATION-RESPONSIVE ELEMENT-BINDING PROTEIN2-Type Transcription Factor in Soybean, Is Posttranslationally Regulated and Mediates Dehydration-Responsive Element-Dependent Gene Expression Â Â. Plant Physiology, 2012, 161, 346-361.	2.3	149
143	Cooperative Function of PLDÎ´ and PLDÎ±1 in Abscisic Acid-Induced Stomatal Closure in Arabidopsis Â Â. Plant Physiology, 2012, 159, 450-460.	2.3	135
144	Rice phytochrome-interacting factor-like protein OsPIL1 functions as a key regulator of internode elongation and induces a morphological response to drought stress. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15947-15952.	3.3	119

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145	Genomeâ€wide biochemical analysis of Arabidopsis protein phosphatase using a wheat cellâ€free system. FEBS Letters, 2012, 586, 3134-3141.	1.3	9
146	Identification of Cis-Acting Promoter Elements in Cold- and Dehydration-Induced Transcriptional Pathways in Arabidopsis, Rice, and Soybean. DNA Research, 2012, 19, 37-49.	1.5	241
147	Cytokinins: metabolism and function in plant adaptation to environmental stresses. Trends in Plant Science, 2012, 17, 172-179.	4.3	466
148	Arabidopsis GROWTH-REGULATING FACTOR7 Functions as a Transcriptional Repressor of Abscisic Acidâ€“ and Osmotic Stressâ€“Responsive Genes, Including DREB2A. Plant Cell, 2012, 24, 3393-3405.	3.1	184
149	RNA regulation in plant abiotic stress responses. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 149-153.	0.9	57
150	AP2/ERF family transcription factors in plant abiotic stress responses. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 86-96.	0.9	1,087
151	NAC transcription factors in plant abiotic stress responses. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 97-103.	0.9	779
152	Benefits of brassinosteroid crosstalk. Trends in Plant Science, 2012, 17, 594-605.	4.3	271
153	Differential Gene Expression in Soybean Leaf Tissues at Late Developmental Stages under Drought Stress Revealed by Genome-Wide Transcriptome Analysis. PLoS ONE, 2012, 7, e49522.	1.1	162
154	RIKEN Cassava Initiative: Establishment of a Cassava Functional Genomics Platform. Tropical Plant Biology, 2012, 5, 110-116.	1.0	12
155	Involvement of the putative Ca2+-permeable mechanosensitive channels, NtMCA1 and NtMCA2, in Ca2+ uptake, Ca2+-dependent cell proliferation and mechanical stress-induced gene expression in tobacco (Nicotiana tabacum) BY-2 cells. Journal of Plant Research, 2012, 125, 555-568.	1.2	54
156	Two glycosyltransferases involved in anthocyanin modification delineated by transcriptome independent component analysis in Arabidopsis thaliana. Plant Journal, 2012, 69, 154-167.	2.8	164
157	Abiotic stressâ€inducible receptorâ€like kinases negatively control ABA signaling in Arabidopsis. Plant Journal, 2012, 70, 599-613.	2.8	168
158	Plasma membrane protein OsMCA1 is involved in regulation of hypo-osmotic shock-induced Ca2+influx and modulates generation of reactive oxygen species in cultured rice cells. BMC Plant Biology, 2012, 12, 11.	1.6	107
159	Toward understanding transcriptional regulatory networks in abiotic stress responses and tolerance in rice. Rice, 2012, 5, 6.	1.7	183
160	Transcriptome Analyses of a Salt-Tolerant Cytokinin-Deficient Mutant Reveal Differential Regulation of Salt Stress Response by Cytokinin Deficiency. PLoS ONE, 2012, 7, e32124.	1.1	146
161	Identification and Expression Analysis of Cytokinin Metabolic Genes in Soybean under Normal and Drought Conditions in Relation to Cytokinin Levels. PLoS ONE, 2012, 7, e42411.	1.1	132
162	Arabidopsis HDA6 is required for freezing tolerance. Biochemical and Biophysical Research Communications, 2011, 406, 414-419.	1.0	133

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163	Monosaccharide Absorption Activity of Arabidopsis Roots Depends on Expression Profiles of Transporter Genes under High Salinity Conditions. Journal of Biological Chemistry, 2011, 286, 43577-43586.	1.6	88
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