Kazuko Yamaguchi-Shinozaki

List of Publications by Year
in descending order

321 papers	92,566 citations	339 140 h-index	321 296 g-index
332 all docs	332 docs citations	332 times ranked	34932 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	<i>Arabidopsis</i> 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
5	Interâ€tissue and interâ€organ signaling in drought stress response and phenotyping of drought tolerance. Plant Journal, 2022, 109, 342-358.	2.8	50
6	Transcriptional regulatory network of plant cold-stress responses. Trends in Plant Science, 2022, 27, 922-935.	4.3	115
7	Constitutive expression of Arabidopsis bZIP transcription factor AREB1 activates cross-signaling responses in soybean under drought and flooding stresses. Journal of Plant Physiology, 2021, 257, 153338.	1.6	13
8	Metabolic engineering: Towards water deficiency adapted crop plants. Journal of Plant Physiology, 2021, 258-259, 153375.	1.6	6
9	Posttranslational regulation of multiple clock-related transcription factors triggers cold-inducible gene expression in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
10	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
11	Cellular Phosphorylation Signaling and Gene Expression in Drought Stress Responses: ABA-Dependent and ABA-Independent Regulatory Systems. Plants, 2021, 10, 756.	1.6	64
12	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
13	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
14	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
15	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
16	<i>DREB1A/CBF3</i> Is Repressed by Transgene-Induced DNA Methylation in the Arabidopsis <i>ice1</i><i>-1</i> Mutant. Plant Cell, 2020, 32, 1035-1048.	3.1	42
17	Genetic engineering approaches to understanding drought tolerance in plants. Plant Biotechnology Reports, 2020, 14, 151-162.	0.9	32
18	Expression of the CCCHâ€tandem zinc finger protein gene <i>OsTZF5</i> under a stressâ€inducible promoter mitigates the effect of drought stress on rice grain yield under field conditions. Plant Biotechnology Journal, 2020, 18, 1711-1721.	4.1	40

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19	Overexpression of AtNCED3 gene improved drought tolerance in soybean in greenhouse and field conditions. Genetics and Molecular Biology, 2020, 43, e20190292.	0.6	21
20	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
21	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
22	Triazine Probes Target Ascorbate Peroxidases in Plants. Plant Physiology, 2019, 180, 1848-1859.	2.3	5
23	Revisiting the Basal Role of ABA â€“ Roles Outside of Stress. Trends in Plant Science, 2019, 24, 625-635.	4.3	189
24	Field evaluation of At DREB 2A CA overexpressing sugarcane for drought tolerance. Journal of Agronomy and Crop Science, 2019, 205, 545-553.	1.7	8
25	Metabolic alterations in conventional and genetically modified soybean plants with GmDREB2A;2 FL and GmDREB2A;2 CA transcription factors during water deficit. Plant Physiology and Biochemistry, 2019, 140, 122-135.	2.8	8
26	Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11528-11536.	3.3	77
27	The Role of Abscisic Acid Signaling in Maintaining the Metabolic Balance Required for Arabidopsis Growth under Nonstress Conditions. Plant Cell, 2019, 31, 84-105.	3.1	84
28	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
29	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
30	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. Nature, 2018, 556, 235-238.	13.7	396
31	Endophytic bacterial microbiome associated with leaves of genetically modified (AtAREB1) and conventional (BR 16) soybean plants. World Journal of Microbiology and Biotechnology, 2018, 34, 56.	1.7	5
32	ER-Anchored Transcription Factors bZIP17 and bZIP28 Regulate Root Elongation. Plant Physiology, 2018, 176, 2221-2230.	2.3	74
33	<i>Arabidopsis thaliana</i> NGATHA1 transcription factor induces ABA biosynthesis by activating <i>NCED3</i> gene during dehydration stress. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11178-E11187.	3.3	106
34	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
35	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. Nature Plants, 2017, 3, 16204.	4.7	97
36	Different Cold-Signaling Pathways Function in the Responses to Rapid and Gradual Decreases in Temperature. Plant Cell, 2017, 29, 760-774.	3.1	158

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37	Analysis of plant hormone profiles in response to moderate dehydration stress. Plant Journal, 2017, 90, 17-36.	2.8	103
38	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
39	Functional relationship of AtABCG21 and AtABCG22 in stomatal regulation. Scientific Reports, 2017, 7, 12501.	1.6	12
40	BPM-CUL3 E3 ligase modulates thermotolerance by facilitating negative regulatory domain-mediated degradation of DREB2A in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8528-E8536.	3.3	82
41	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
42	Transcriptional Regulatory Network of Plant Heat Stress Response. Trends in Plant Science, 2017, 22, 53-65.	4.3	782
43	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
44	Rice Phytochrome-Interacting Factor-Like1 (OsPIL1) is involved in the promotion of chlorophyll biosynthesis through feed-forward regulatory loops. Journal of Experimental Botany, 2017, 68, 4103-4114.	2.4	36
45	Characterization of Soybean Genetically Modified for Drought Tolerance in Field Conditions. Frontiers in Plant Science, 2017, 8, 448.	1.7	59
46	A C-terminal motif contributes to the plasma membrane localization of Arabidopsis STP transporters. PLoS ONE, 2017, 12, e0186326.	1.1	14
47	Evaluation of the yield of abiotic-stress-tolerant <i>AtDREB1A</i> transgenic potato under saline conditions in advance of field trials. Breeding Science, 2016, 66, 703-710.	0.9	9
48	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
49	The <i><scp>A</scp>rabidopsis</i> 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
50	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
51	Characterization of Molecular and Physiological Responses Under Water Deficit of Genetically Modified Soybean Plants Overexpressing the AtAREB1 Transcription Factor. Plant Molecular Biology Reporter, 2016, 34, 410-426.	1.0	22
52	é«˜æ¸©ç’°å¢ƒã’ç”ŸãæŠœããŸã‚ã®æ¤ç‰©ã®è»¢å†™åˆ¶å¾¡æ©Ÿæ§‹. Kagaku To Seibutsu, 2015, 53, 696-702.	0.0	0
53	SNACâ€As, stressâ€responsive NAC transcription factors, mediate ABAâ€inducible leaf senescence. Plant Journal, 2015, 84, 1114-1123.	2.8	202
54	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

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55	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
56	Omics Approaches Toward Defining the Comprehensive Abscisic Acid Signaling Network in Plants. Plant and Cell Physiology, 2015, 56, 1043-1052.	1.5	100
57	A small RNA mediated regulation of a stress-activated retrotransposon and the tissue specific transposition during the reproductive period in Arabidopsis. Frontiers in Plant Science, 2015, 6, 48.	1.7	43
58	Exploring Genetic Resources to Increase Adaptation of Wheat to Climate Change. , 2015, , 355-368.		32
59	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
60	Four <scp><i>A</i></scp><i>rabidopsis</i>â€…<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
61	In vitro evaluation of dehydration tolerance in AtDREB1A transgenic potatoes. Plant Biotechnology, 2014, 31, 77-81.	0.5	7
62	<i>Arabidopsis</i> 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
63	Approaches for enhancement of <scp>N</scp>₂ fixation efficiency of chickpea (<i><scp>C</scp>icer arietinum</i> L.) under limiting nitrogen conditions. Plant Biotechnology Journal, 2014, 12, 387-397.	4.1	36
64	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
65	Phenotyping soybean plants transformed with rd29A:AtDREB1A for drought tolerance in the greenhouse and field. Transgenic Research, 2014, 23, 75-87.	1.3	78
66	Induced over-expression of AtDREB2A CA improves drought tolerance in sugarcane. Plant Science, 2014, 221-222, 59-68.	1.7	91
67	Transgenic peanut overexpressing the DREB1A transcription factor has higher yields under drought stress. Molecular Breeding, 2014, 33, 327-340.	1.0	72
68	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
69	Gene Expression Profiling Using DNA Microarrays. Methods in Molecular Biology, 2014, 1062, 381-391.	0.4	7
70	Comparative functional analysis of six drought-responsive promoters in transgenic rice. Planta, 2014, 239, 47-60.	1.6	65
71	Drought Stress Signaling Network. , 2014, , 383-409.		23
72	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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73	Mechanisms of physiological adjustment of N₂ fixation in <i>Cicer arietinum</i> L. (chickpea) during early stages of water deficit: single or multiâ€factor controls. Plant Journal, 2014, 79, 964-980.	2.8	46
74	ABA-dependent and ABA-independent signaling in response to osmotic stress in plants. Current Opinion in Plant Biology, 2014, 21, 133-139.	3.5	784
75	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
76	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
77	Pivotal role of the AREB/ABFâ€SnRK2 pathway in ABREâ€mediated transcription in response to osmotic stress in plants. Physiologia Plantarum, 2013, 147, 15-27.	2.6	444
78	Overexpression of the ABA-Dependent AREB1 Transcription Factor from Arabidopsis thaliana Improves Soybean Tolerance to Water Deficit. Plant Molecular Biology Reporter, 2013, 31, 719-730.	1.0	64
79	Expression of Arabidopsis DREB1C improves survival, growth, and yield of upland New Rice for Africa (NERICA) under drought. Molecular Breeding, 2013, 31, 255-264.	1.0	35
80	<i>Arabidopsis</i> 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
81	Stress Signaling Networks: Drought Stress. , 2013, , 1-23.		3
82	Molecular Approaches to Improve Rice Abiotic Stress Tolerance. Methods in Molecular Biology, 2013, 956, 269-283.	0.4	24
83	Structure and function of abscisic acid receptors. Trends in Plant Science, 2013, 18, 259-266.	4.3	164
84	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
85	Osmotic Stress Responses and Plant Growth Controlled by Potassium Transporters in<i>Arabidopsis</i>Â Â. Plant Cell, 2013, 25, 609-624.	3.1	350
86	Metabolic Profiling of Transgenic Potato Tubers Expressing Arabidopsis Dehydration Response Element-Binding Protein 1A (DREB1A). Journal of Agricultural and Food Chemistry, 2013, 61, 893-900.	2.4	34
87	ABA signaling in stress-response and seed development. Plant Cell Reports, 2013, 32, 959-970.	2.8	631
88	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
89	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
90	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

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91	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
92	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
93	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
94	Introduction of the rd29A: AtDREB2A CA gene into soybean (Glycine max L. Merril) and its molecular characterization in leaves and roots during dehydration. Genetics and Molecular Biology, 2013, 36, 556-565.	0.6	34
95	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
96	Natural variation in a polyamine transporter determines paraquat tolerance in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6343-6347.	3.3	115
97	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
98	Phenotyping transgenic wheat for drought resistance. Journal of Experimental Botany, 2012, 63, 1799-1808.	2.4	102
99	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
100	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
101	Cytokinins: metabolism and function in plant adaptation to environmental stresses. Trends in Plant Science, 2012, 17, 172-179.	4.3	466
102	<i>Arabidopsis</i> GROWTH-REGULATING FACTOR7 Functions as a Transcriptional Repressor of Abscisic Acidâ€" and Osmotic Stressâ€"Responsive Genes, Including <i>DREB2A</i>. Plant Cell, 2012, 24, 3393-3405.	3.1	184
103	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
104	NAC transcription factors in plant abiotic stress responses. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 97-103.	0.9	779
105	Benefits of brassinosteroid crosstalk. Trends in Plant Science, 2012, 17, 594-605.	4.3	271
106	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
107	Purification, crystallization and preliminary X-ray analysis of OsAREB8 from rice, a member of the AREB/ABF family of bZIP transcription factors, in complex with its cognate DNA. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 491-494.	0.7	6
108	Abiotic stressâ€inducible receptorâ€like kinases negatively control ABA signaling in Arabidopsis. Plant Journal, 2012, 70, 599-613.	2.8	168

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109	Overexpression of <i>Arabidopsis</i> and Rice stress genesâ€™ inducible transcription factor confers drought and salinity tolerance to rice. Plant Biotechnology Journal, 2012, 10, 579-586.	4.1	120
110	Toward understanding transcriptional regulatory networks in abiotic stress responses and tolerance in rice. Rice, 2012, 5, 6.	1.7	183
111	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
112	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
113	Expression of the DREB1A gene in lentil (Lens culinaris Medik. subsp. culinaris) transformed with the Agrobacterium system. Crop and Pasture Science, 2011, 62, 488.	0.7	33
114	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
115	Achievements and Challenges in Understanding Plant Abiotic Stress Responses and Tolerance. Plant and Cell Physiology, 2011, 52, 1569-1582.	1.5	451
116	Molecular, anatomical and physiological properties of a genetically modified soybean line transformed with rd29A:AtDREB1A for the improvement of drought tolerance. Genetics and Molecular Research, 2011, 10, 3641-3656.	0.3	50
117	Prediction of transcriptional regulatory elements for plant hormone responses based on microarray data. BMC Plant Biology, 2011, 11, 39.	1.6	41
118	Analysis of Cytokinin Mutants and Regulation of Cytokinin Metabolic Genes Reveals Important Regulatory Roles of Cytokinins in Drought, Salt and Abscisic Acid Responses, and Abscisic Acid Biosynthesis Â. Plant Cell, 2011, 23, 2169-2183.	3.1	647
119	Transcriptional responses to flooding stress in roots including hypocotyl of soybean seedlings. Plant Molecular Biology, 2011, 77, 129-144.	2.0	103
120	Arabidopsis HsfA1 transcription factors function as the main positive regulators in heat shock-responsive gene expression. Molecular Genetics and Genomics, 2011, 286, 321-332.	1.0	377
121	ABA-mediated transcriptional regulation in response to osmotic stress in plants. Journal of Plant Research, 2011, 124, 509-525.	1.2	860
122	Genome-Wide Survey and Expression Analysis of the Plant-Specific NAC Transcription Factor Family in Soybean During Development and Dehydration Stress. DNA Research, 2011, 18, 263-276.	1.5	362
123	Arabidopsis Cys2/His2 Zinc-Finger Proteins AZF1 and AZF2 Negatively Regulate Abscisic Acid-Repressive and Auxin-Inducible Genes under Abiotic Stress Conditions Â Â. Plant Physiology, 2011, 157, 742-756.	2.3	165
124	In Silico Analysis of Transcription Factor Repertoires and Prediction of Stress-Responsive Transcription Factors from Six Major Gramineae Plants. DNA Research, 2011, 18, 321-332.	1.5	48
125	<i>SPINDLY</i>, a Negative Regulator of Gibberellic Acid Signaling, Is Involved in the Plant Abiotic Stress Response Â Â. Plant Physiology, 2011, 157, 1900-1913.	2.3	93
126	Genome-Wide Expression Profiling of Soybean Two-Component System Genes in Soybean Root and Shoot Tissues under Dehydration Stress. DNA Research, 2011, 18, 17-29.	1.5	113

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127	An ABRE Promoter Sequence is Involved in Osmotic Stress-Responsive Expression of the DREB2A Gene, Which Encodes a Transcription Factor Regulating Drought-Inducible Genes in Arabidopsis. Plant and Cell Physiology, 2011, 52, 2136-2146.	1.5	263
128	DREB1A regulon expression in<i>rd29A:DREB1A</i>transgenic chrysanthemum under low temperature or dehydration stress. Journal of Horticultural Science and Biotechnology, 2010, 85, 503-510.	0.9	10
129	Immunoproteomic and Two-Dimensional Difference Gel Electrophoresis Analysis of Arabidopsis Dehydration Response Element-Binding Protein 1A (DREB1A)-Transgenic Potato. Biological and Pharmaceutical Bulletin, 2010, 33, 1418-1425.	0.6	12
130	Comprehensive analysis of rice DREB2-type genes that encode transcription factors involved in the expression of abiotic stress-responsive genes. Molecular Genetics and Genomics, 2010, 283, 185-196.	1.0	362
131	The abiotic stress-responsive NAC-type transcription factor OsNAC5 regulates stress-inducible genes and stress tolerance in rice. Molecular Genetics and Genomics, 2010, 284, 173-183.	1.0	398
132	AREB1, AREB2, and ABF3 are master transcription factors that cooperatively regulate ABRE-dependent ABA signaling involved in drought stress tolerance and require ABA for full activation. Plant Journal, 2010, 61, 672-685.	2.8	871
133	Role of cytokinin responsive two-component system in ABA and osmotic stress signalings. Plant Signaling and Behavior, 2010, 5, 148-150.	1.2	107
134	Functional Analysis of an Arabidopsis thaliana Abiotic Stress-inducible Facilitated Diffusion Transporter for Monosaccharides. Journal of Biological Chemistry, 2010, 285, 1138-1146.	1.6	151
135	RPK2 is an essential receptor-like kinase that transmits the CLV3 signal in <i>Arabidopsis</i>. Development (Cambridge), 2010, 137, 4327-4327.	1.2	12
136	LegumeTFDB: an integrative database of <i>Glycine max</i>, <i>Lotus japonicus</i> and <i>Medicago truncatula</i> transcription factors. Bioinformatics, 2010, 26, 290-291.	1.8	70
137	Two Closely Related Subclass II SnRK2 Protein Kinases Cooperatively Regulate Drought-Inducible Gene Expression. Plant and Cell Physiology, 2010, 51, 842-847.	1.5	123
138	Overproduction of the Membrane-bound Receptor-like Protein Kinase 1, RPK1, Enhances Abiotic Stress Tolerance in Arabidopsis. Journal of Biological Chemistry, 2010, 285, 9190-9201.	1.6	133
139	Potential utilization of NAC transcription factors to enhance abiotic stress tolerance in plants by biotechnological approach. GM Crops, 2010, 1, 32-39.	1.8	212
140	RPK2 is an essential receptor-like kinase that transmits the CLV3 signal in <i>Arabidopsis</i>. Development (Cambridge), 2010, 137, 3911-3920.	1.2	291
141	Molecular Basis of the Core Regulatory Network in ABA Responses: Sensing, Signaling and Transport. Plant and Cell Physiology, 2010, 51, 1821-1839.	1.5	800
142	Genome-Wide Analysis of Two-Component Systems and Prediction of Stress-Responsive Two-Component System Members in Soybean. DNA Research, 2010, 17, 303-324.	1.5	87
143	The Phytochrome-Interacting Factor PIF7 Negatively Regulates<i>DREB1</i>Expression under Circadian Control in Arabidopsis. Plant Physiology, 2009, 151, 2046-2057.	2.3	181
144	In silico Analysis of Transcription Factor Repertoire and Prediction of Stress Responsive Transcription Factors in Soybean. DNA Research, 2009, 16, 353-369.	1.5	87

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145	DEAR1, a transcriptional repressor of DREB protein that mediates plant defense and freezing stress responses in Arabidopsis. Journal of Plant Research, 2009, 122, 633-643.	1.2	154
146	Over-expression of AtDREB1A in chrysanthemum enhances tolerance to heat stress. Plant Molecular Biology, 2009, 70, 231-240.	2.0	80
147	Characterization of the ABAâ€regulated global responses to dehydration in Arabidopsis by metabolomics. Plant Journal, 2009, 57, 1065-1078.	2.8	519
148	Structural basis of abscisic acid signalling. Nature, 2009, 462, 609-614.	13.7	490
149	Promoters and Transcription Factors in Abiotic Stress-Responsive Gene Expression. , 2009, , 199-216.		5
150	Three Arabidopsis SnRK2 Protein Kinases, SRK2D/SnRK2.2, SRK2E/SnRK2.6/OST1 and SRK2I/SnRK2.3, Involved in ABA Signaling are Essential for the Control of Seed Development and Dormancy. Plant and Cell Physiology, 2009, 50, 1345-1363.	1.5	636
151	DREB Regulons in Abiotic-Stress-Responsive Gene Expression in Plants. , 2009, , 15-28.		18
152	Three SnRK2 Protein Kinases are the Main Positive Regulators of Abscisic Acid Signaling in Response to Water Stress in Arabidopsis. Plant and Cell Physiology, 2009, 50, 2123-2132.	1.5	599
153	Transcriptional Regulatory Networks in Response to Abiotic Stresses in Arabidopsis and Grasses. Plant Physiology, 2009, 149, 88-95.	2.3	1,052
154	Type 2C protein phosphatases directly regulate abscisic acid-activated protein kinases in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17588-17593.	3.3	980
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