

# Kazuko Yamaguchi-Shinozaki

## List of Publications by Year in Descending Order

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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.

322  
papers

73,719  
citations

130  
h-index

271  
g-index

330  
ext. papers

84,289  
ext. citations

7.1  
avg, IF

7.89  
L-index

#	Paper	IF	Citations
322	CIN-like TCP13 is essential for plant growth regulation under dehydration stress.. <i>Plant Molecular Biology</i> , <b>2022</b> , 108, 257	4.6	1
321	Affinity Purification Followed by Liquid Chromatography-Tandem Mass Spectrometry to Identify Proteins Interacting with ABA Signaling Components.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2462, 181-189 <sup>1.4</sup>		
320	TBP-ASSOCIATED FACTOR 12 ortholog NOBIRO6 controls root elongation with unfolded protein response cofactor activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5	2
319	The overexpression of NCED results in waterlogging sensitivity in soybean. <i>Plant Stress</i> , <b>2022</b> , 3, 100047		0
318	Inter-tissue and inter-organ signaling in drought stress response and phenotyping of drought tolerance. <i>Plant Journal</i> , <b>2021</b> ,	6.9	5
317	Metabolic engineering: Towards water deficiency adapted crop plants. <i>Journal of Plant Physiology</i> , <b>2021</b> , 258-259, 153375	3.6	1
316	Posttranslational regulation of multiple clock-related transcription factors triggers cold-inducible gene expression in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	14
315	Cytosolic HSC70s repress heat stress tolerance and enhance seed germination under salt stress conditions. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 1788-1801	8.4	5
314	Cellular Phosphorylation Signaling and Gene Expression in Drought Stress Responses: ABA-Dependent and ABA-Independent Regulatory Systems. <i>Plants</i> , <b>2021</b> , 10,	4.5	16
313	Constitutive expression of Arabidopsis bZIP transcription factor AREB1 activates cross-signaling responses in soybean under drought and flooding stresses. <i>Journal of Plant Physiology</i> , <b>2021</b> , 257, 153338 <sup>3.6</sup>		7
312	How utilizing the genes involved in drought tolerance could tackle the climate change-related food crisis?. <i>Molecular Plant</i> , <b>2021</b> , 14, 1601-1603	14.4	1
311	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. <i>Nature Communications</i> , <b>2020</b> , 11, 1373	17.4	45
310	Is Repressed by Transgene-Induced DNA Methylation in the Arabidopsis Mutant. <i>Plant Cell</i> , <b>2020</b> , 32, 1035-1048	11.6	20
309	Genetic engineering approaches to understanding drought tolerance in plants. <i>Plant Biotechnology Reports</i> , <b>2020</b> , 14, 151-162	2.5	20
308	Expression of the CCCH-tandem zinc finger protein gene OstZF5 under a stress-inducible promoter mitigates the effect of drought stress on rice grain yield under field conditions. <i>Plant Biotechnology Journal</i> , <b>2020</b> , 18, 1711-1721	11.6	19
307	Overexpression of AtNCED3 gene improved drought tolerance in soybean in greenhouse and field conditions. <i>Genetics and Molecular Biology</i> , <b>2020</b> , 43, e20190292	2	7
306	DNA demethylase ROS1 prevents inheritable DREB1A/CBF3 repression by transgene-induced promoter methylation in the Arabidopsis ice1-1 mutant. <i>Plant Molecular Biology</i> , <b>2020</b> , 104, 575-582	4.6	4

305	Drought Stress Responses and Resistance in Plants: From Cellular Responses to Long-Distance Intercellular Communication. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 556972	6.2	67
304	NF-YB2 and NF-YB3 Have Functionally Diverged and Differentially Induce Drought and Heat Stress-Specific Genes. <i>Plant Physiology</i> , <b>2019</b> , 180, 1677-1690	6.6	25
303	Triazine Probes Target Ascorbate Peroxidases in Plants. <i>Plant Physiology</i> , <b>2019</b> , 180, 1848-1859	6.6	1
302	Revisiting the Basal Role of ABA - Roles Outside of Stress. <i>Trends in Plant Science</i> , <b>2019</b> , 24, 625-635	13.1	79
301	Field evaluation of AtDREB2A CA overexpressing sugarcane for drought tolerance. <i>Journal of Agronomy and Crop Science</i> , <b>2019</b> , 205, 545-553	3.9	6
300	Metabolic alterations in conventional and genetically modified soybean plants with GmDREB2A;2 FL and GmDREB2A;2 CA transcription factors during water deficit. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 140, 122-135	5.4	4
299	Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11528-11536	11.5	43
298	ABA-responsive gene expression in response to drought stress: cellular regulation and long-distance signaling. <i>Advances in Botanical Research</i> , <b>2019</b> , 83-113	2.2	9
297	The Role of Abscisic Acid Signaling in Maintaining the Metabolic Balance Required for Arabidopsis Growth under Nonstress Conditions. <i>Plant Cell</i> , <b>2019</b> , 31, 84-105	11.6	45
296	Heat-induced inhibition of phosphorylation of the stress-protective transcription factor DREB2A promotes thermotolerance of. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 902-917	5.4	33
295	A gene-stacking approach to overcome the trade-off between drought stress tolerance and growth in Arabidopsis. <i>Plant Journal</i> , <b>2019</b> , 97, 240-256	6.9	23
294	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. <i>Nature</i> , <b>2018</b> , 556, 235-238	50.4	214
293	Endophytic bacterial microbiome associated with leaves of genetically modified (AtAREB1) and conventional (BR 16) soybean plants. <i>World Journal of Microbiology and Biotechnology</i> , <b>2018</b> , 34, 56	4.4	5
292	ER-Anchored Transcription Factors bZIP17 and bZIP28 Regulate Root Elongation. <i>Plant Physiology</i> , <b>2018</b> , 176, 2221-2230	6.6	45
291	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 <b>2018</b> , 111-130		3
290	NGATHA1 transcription factor induces ABA biosynthesis by activating gene during dehydration stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E11178-E11187	11.5	56
289	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. <i>Nature Plants</i> , <b>2017</b> , 3, 16204	11.5	63
288	Different Cold-Signaling Pathways Function in the Responses to Rapid and Gradual Decreases in Temperature. <i>Plant Cell</i> , <b>2017</b> , 29, 760-774	11.6	83

287	Analysis of plant hormone profiles in response to moderate dehydration stress. <i>Plant Journal</i> , <b>2017</b> , 90, 17-36	6.9	64
286	Temporal and spatial changes in gene expression, metabolite accumulation and phytohormone content in rice seedlings grown under drought stress conditions. <i>Plant Journal</i> , <b>2017</b> , 90, 61-78	6.9	98
285	Functional relationship of AtABCG21 and AtABCG22 in stomatal regulation. <i>Scientific Reports</i> , <b>2017</b> , 7, 12501	4.9	8
284	BPM-CUL3 E3 ligase modulates thermotolerance by facilitating negative regulatory domain-mediated degradation of DREB2A in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8528-E8536	11.5	53
283	Design of an optimal promoter involved in the heat-induced transcriptional pathway in Arabidopsis, soybean, rice and maize. <i>Plant Journal</i> , <b>2017</b> , 89, 671-680	6.9	16
282	Transcriptional Regulatory Network of Plant Heat Stress Response. <i>Trends in Plant Science</i> , <b>2017</b> , 22, 53-65	13.1	451
281	Double overexpression of DREB and PIF transcription factors improves drought stress tolerance and cell elongation in transgenic plants. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 458-471	11.6	87
280	Rice Phytochrome-Interacting Factor-Like1 (OsPIL1) is involved in the promotion of chlorophyll biosynthesis through feed-forward regulatory loops. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 4103-4114	7	16
279	Characterization of Soybean Genetically Modified for Drought Tolerance in Field Conditions. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 448	6.2	33
278	A C-terminal motif contributes to the plasma membrane localization of Arabidopsis STP transporters. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186326	3.7	10
277	Characterization of Molecular and Physiological Responses Under Water Deficit of Genetically Modified Soybean Plants Overexpressing the AtAREB1 Transcription Factor. <i>Plant Molecular Biology Reporter</i> , <b>2016</b> , 34, 410-426	1.7	16
276	Molecular, physiological, and agronomical characterization, in greenhouse and in field conditions, of soybean plants genetically modified with AtGols2 gene for drought tolerance. <i>Molecular Breeding</i> , <b>2016</b> , 36, 1	3.4	16
275	The Arabidopsis transcriptional regulator DPB3-1 enhances heat stress tolerance without growth retardation in rice. <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 1756-67	11.6	36
274	The Transcriptional Cascade in the Heat Stress Response of Arabidopsis Is Strictly Regulated at the Level of Transcription Factor Expression. <i>Plant Cell</i> , <b>2016</b> , 28, 181-201	11.6	93
273	Evaluation of the yield of abiotic-stress-tolerant transgenic potato under saline conditions in advance of field trials. <i>Breeding Science</i> , <b>2016</b> , 66, 703-710	2	7
272	Omics Approaches Toward Defining the Comprehensive Abscisic Acid Signaling Network in Plants. <i>Plant and Cell Physiology</i> , <b>2015</b> , 56, 1043-52	4.9	81
271	A small RNA mediated regulation of a stress-activated retrotransposon and the tissue specific transposition during the reproductive period in Arabidopsis. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 48	6.2	32
270	Exploring Genetic Resources to Increase Adaptation of Wheat to Climate Change <b>2015</b> , 355-368		26

269	Soybean DREB1/CBF-type transcription factors function in heat and drought as well as cold stress-responsive gene expression. <i>Plant Journal</i> , <b>2015</b> , 81, 505-18	6.9	157
268	Four Arabidopsis AREB/ABF transcription factors function predominantly in gene expression downstream of SnRK2 kinases in abscisic acid signalling in response to osmotic stress. <i>Plant, Cell and Environment</i> , <b>2015</b> , 38, 35-49	8.4	307
267	?????????????????????. <i>Kagaku To Seibutsu</i> , <b>2015</b> , 53, 696-702	0	
266	SNAC-As, stress-responsive NAC transcription factors, mediate ABA-inducible leaf senescence. <i>Plant Journal</i> , <b>2015</b> , 84, 1114-23	6.9	122
265	Recent advances in the dissection of drought-stress regulatory networks and strategies for development of drought-tolerant transgenic rice plants. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 84	6.2	250
264	Two distinct families of protein kinases are required for plant growth under high external Mg <sup>2+</sup> concentrations in Arabidopsis. <i>Plant Physiology</i> , <b>2015</b> , 167, 1039-57	6.6	38
263	Induced over-expression of AtDREB2A CA improves drought tolerance in sugarcane. <i>Plant Science</i> , <b>2014</b> , 221-222, 59-68	5.3	71
262	Transgenic peanut overexpressing the DREB1A transcription factor has higher yields under drought stress. <i>Molecular Breeding</i> , <b>2014</b> , 33, 327-340	3.4	56
261	Positive regulatory role of strigolactone in plant responses to drought and salt stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 851-6	11.5	370
260	Gene expression profiling using DNA microarrays. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1062, 381-91	1.4	5
259	Comparative functional analysis of six drought-responsive promoters in transgenic rice. <i>Planta</i> , <b>2014</b> , 239, 47-60	4.7	48
258	Drought Stress Signaling Network <b>2014</b> , 383-409		9
257	ABA control of plant macroelement membrane transport systems in response to water deficit and high salinity. <i>New Phytologist</i> , <b>2014</b> , 202, 35-49	9.8	217
256	Mechanisms of physiological adjustment of N <sub>2</sub> fixation in <i>Cicer arietinum</i> L. (chickpea) during early stages of water deficit: single or multi-factor controls. <i>Plant Journal</i> , <b>2014</b> , 79, 964-80	6.9	33
255	ABA-dependent and ABA-independent signaling in response to osmotic stress in plants. <i>Current Opinion in Plant Biology</i> , <b>2014</b> , 21, 133-139	9.9	513
254	Integrated analysis of the effects of cold and dehydration on rice metabolites, phytohormones, and gene transcripts. <i>Plant Physiology</i> , <b>2014</b> , 164, 1759-71	6.6	172
253	Functional analysis of the Hikeshi-like protein and its interaction with HSP70 in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 450, 396-400	3.4	13
252	In vitro evaluation of dehydration tolerance in AtDREB1A transgenic potatoes. <i>Plant Biotechnology</i> , <b>2014</b> , 31, 77-81	1.3	6

251	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. <i>Plant Cell</i> , <b>2014</b> , 26, 4954-73	11.6	95
250	Approaches for enhancement of N-fixation efficiency of chickpea ( <i>Cicer arietinum</i> L.) under limiting nitrogen conditions. <i>Plant Biotechnology Journal</i> , <b>2014</b> , 12, 387-97	11.6	29
249	The transcriptional regulatory network in the drought response and its crosstalk in abiotic stress responses including drought, cold, and heat. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 170	6.2	499
248	Phenotyping soybean plants transformed with rd29A:AtDREB1A for drought tolerance in the greenhouse and field. <i>Transgenic Research</i> , <b>2014</b> , 23, 75-87	3.3	65
247	Pivotal role of the AREB/ABF-SnRK2 pathway in ABRE-mediated transcription in response to osmotic stress in plants. <i>Physiologia Plantarum</i> , <b>2013</b> , 147, 15-27	4.6	293
246	Overexpression of the ABA-Dependent AREB1 Transcription Factor from Arabidopsis thaliana Improves Soybean Tolerance to Water Deficit. <i>Plant Molecular Biology Reporter</i> , <b>2013</b> , 31, 719-730	1.7	46
245	Expression of Arabidopsis DREB1C improves survival, growth, and yield of upland New Rice for Africa (NERICA) under drought. <i>Molecular Breeding</i> , <b>2013</b> , 31, 255-264	3.4	26
244	Arabidopsis AHP2, AHP3, and AHP5 histidine phosphotransfer proteins function as redundant negative regulators of drought stress response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 4840-5	11.5	137
243	Role of Abscisic Acid Signaling in Drought Tolerance and Preharvest Sprouting Under Climate Change <b>2013</b> , 521-554		3
242	Stress Signaling Networks: Drought Stress <b>2013</b> , 1-23		2
241	Molecular approaches to improve rice abiotic stress tolerance. <i>Methods in Molecular Biology</i> , <b>2013</b> , 956, 269-83	1.4	18
240	Structure and function of abscisic acid receptors. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 259-66	13.1	126
239	Sensing the environment: key roles of membrane-localized kinases in plant perception and response to abiotic stress. <i>Journal of Experimental Botany</i> , <b>2013</b> , 64, 445-58	7	274
238	Osmotic stress responses and plant growth controlled by potassium transporters in Arabidopsis. <i>Plant Cell</i> , <b>2013</b> , 25, 609-24	11.6	237
237	Metabolic profiling of transgenic potato tubers expressing Arabidopsis dehydration response element-binding protein 1A (DREB1A). <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 893-900	5.7	26
236	ABA signaling in stress-response and seed development. <i>Plant Cell Reports</i> , <b>2013</b> , 32, 959-70	5.1	403
235	Characterization of the promoter region of an Arabidopsis gene for 9-cis-epoxycarotenoid dioxygenase involved in dehydration-inducible transcription. <i>DNA Research</i> , <b>2013</b> , 20, 315-24	4.5	67
234	Genome-wide analysis of ZmDREB genes and their association with natural variation in drought tolerance at seedling stage of <i>Zea mays</i> L. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003790	6	173

233	The auxin response factor transcription factor family in soybean: genome-wide identification and expression analyses during development and water stress. <i>DNA Research</i> , <b>2013</b> , 20, 511-24	4.5	101
232	OsTZF1, a CCCH-tandem zinc finger protein, confers delayed senescence and stress tolerance in rice by regulating stress-related genes. <i>Plant Physiology</i> , <b>2013</b> , 161, 1202-16	6.6	183
231	TreeTFDB: an integrative database of the transcription factors from six economically important tree crops for functional predictions and comparative and functional genomics. <i>DNA Research</i> , <b>2013</b> , 20, 151-62	4.5	23
230	HsfA1d, a protein identified via FOX hunting using <i>Thellungiella salsuginea</i> cDNAs improves heat tolerance by regulating heat-stress-responsive gene expression. <i>Molecular Plant</i> , <b>2013</b> , 6, 411-22	14.4	28
229	Introduction of the rd29A:AtDREB2A CA gene into soybean ( <i>Glycine max</i> L. Merrill) and its molecular characterization in leaves and roots during dehydration. <i>Genetics and Molecular Biology</i> , <b>2013</b> , 36, 556-65	2	26
228	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. <i>Plant Physiology</i> , <b>2013</b> , 161, 346-61	6.6	113
227	Stabilization of Arabidopsis DREB2A is required but not sufficient for the induction of target genes under conditions of stress. <i>PLoS ONE</i> , <b>2013</b> , 8, e80457	3.7	41
226	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. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 491-4		3
225	Abiotic stress-inducible receptor-like kinases negatively control ABA signaling in Arabidopsis. <i>Plant Journal</i> , <b>2012</b> , 70, 599-613	6.9	130
224	Overexpression of Arabidopsis and rice stress genesInducible transcription factor confers drought and salinity tolerance to rice. <i>Plant Biotechnology Journal</i> , <b>2012</b> , 10, 579-86	11.6	99
223	Toward understanding transcriptional regulatory networks in abiotic stress responses and tolerance in rice. <i>Rice</i> , <b>2012</b> , 5, 6	5.8	148
222	Rice phytochrome-interacting factor-like protein OsPIL1 functions as a key regulator of internode elongation and induces a morphological response to drought stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15947-52	11.5	84
221	Identification of cis-acting promoter elements in cold- and dehydration-induced transcriptional pathways in Arabidopsis, rice, and soybean. <i>DNA Research</i> , <b>2012</b> , 19, 37-49	4.5	183
220	Cytokinins: metabolism and function in plant adaptation to environmental stresses. <i>Trends in Plant Science</i> , <b>2012</b> , 17, 172-9	13.1	377
219	Arabidopsis growth-regulating factor7 functions as a transcriptional repressor of abscisic acid- and osmotic stress-responsive genes, including DREB2A. <i>Plant Cell</i> , <b>2012</b> , 24, 3393-405	11.6	124
218	AP2/ERF family transcription factors in plant abiotic stress responses. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2012</b> , 1819, 86-96	6	803
217	NAC transcription factors in plant abiotic stress responses. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2012</b> , 1819, 97-103	6	594
216	Benefits of brassinosteroid crosstalk. <i>Trends in Plant Science</i> , <b>2012</b> , 17, 594-605	13.1	232

215	Differential gene expression in soybean leaf tissues at late developmental stages under drought stress revealed by genome-wide transcriptome analysis. <i>PLoS ONE</i> , <b>2012</b> , 7, e49522	3.7	133
214	Natural variation in a polyamine transporter determines paraquat tolerance in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6343-7	11.5	87
213	Phenotyping transgenic wheat for drought resistance. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 1799-808		84
212	Transcriptome analyses of a salt-tolerant cytokinin-deficient mutant reveal differential regulation of salt stress response by cytokinin deficiency. <i>PLoS ONE</i> , <b>2012</b> , 7, e32124	3.7	112
211	Identification and expression analysis of cytokinin metabolic genes in soybean under normal and drought conditions in relation to cytokinin levels. <i>PLoS ONE</i> , <b>2012</b> , 7, e42411	3.7	82
210	Monosaccharide absorption activity of Arabidopsis roots depends on expression profiles of transporter genes under high salinity conditions. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 43577-86	5.4	57
209	Achievements and challenges in understanding plant abiotic stress responses and tolerance. <i>Plant and Cell Physiology</i> , <b>2011</b> , 52, 1569-82	4.9	347
208	Molecular, anatomical and physiological properties of a genetically modified soybean line transformed with rd29A:AtDREB1A for the improvement of drought tolerance. <i>Genetics and Molecular Research</i> , <b>2011</b> , 10, 3641-56	1.2	39
207	Prediction of transcriptional regulatory elements for plant hormone responses based on microarray data. <i>BMC Plant Biology</i> , <b>2011</b> , 11, 39	5.3	38
206	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. <i>Plant Cell</i> , <b>2011</b> , 23, 2169-83	11.6	464
205	Transcriptional responses to flooding stress in roots including hypocotyl of soybean seedlings. <i>Plant Molecular Biology</i> , <b>2011</b> , 77, 129-44	4.6	90
204	Arabidopsis HsfA1 transcription factors function as the main positive regulators in heat shock-responsive gene expression. <i>Molecular Genetics and Genomics</i> , <b>2011</b> , 286, 321-32	3.1	253
203	ABA-mediated transcriptional regulation in response to osmotic stress in plants. <i>Journal of Plant Research</i> , <b>2011</b> , 124, 509-25	2.6	650
202	Expression of the DREB1A gene in lentil ( <i>Lens culinaris</i> Medik. subsp. <i>culinaris</i> ) transformed with the Agrobacterium system. <i>Crop and Pasture Science</i> , <b>2011</b> , 62, 488	2.2	22
201	Genome-wide survey and expression analysis of the plant-specific NAC transcription factor family in soybean during development and dehydration stress. <i>DNA Research</i> , <b>2011</b> , 18, 263-76	4.5	278
200	Arabidopsis Cys2/His2 zinc-finger proteins AZF1 and AZF2 negatively regulate abscisic acid-repressive and auxin-inducible genes under abiotic stress conditions. <i>Plant Physiology</i> , <b>2011</b> , 157, 742-56	6.6	116
199	In silico analysis of transcription factor repertoires and prediction of stress-responsive transcription factors from six major gramineae plants. <i>DNA Research</i> , <b>2011</b> , 18, 321-32	4.5	38
198	SPINDLY, a negative regulator of gibberellic acid signaling, is involved in the plant abiotic stress response. <i>Plant Physiology</i> , <b>2011</b> , 157, 1900-13	6.6	77



197	Genome-wide expression profiling of soybean two-component system genes in soybean root and shoot tissues under dehydration stress. <i>DNA Research</i> , <b>2011</b> , 18, 17-29	4.5	94
196	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. <i>Plant and Cell Physiology</i> , <b>2011</b> , 52, 2136-46	4.9	185
195	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. <i>Plant Journal</i> , <b>2010</b> , 61, 672-85	6.9	647
194	Role of cytokinin responsive two-component system in ABA and osmotic stress signalings. <i>Plant Signaling and Behavior</i> , <b>2010</b> , 5, 148-50	2.5	87
193	Functional analysis of an Arabidopsis thaliana abiotic stress-inducible facilitated diffusion transporter for monosaccharides. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 1138-46	5.4	120
192	RPK2 is an essential receptor-like kinase that transmits the CLV3 signal in Arabidopsis. <i>Development (Cambridge)</i> , <b>2010</b> , 137, 4327-4327	6.6	9
191	LegumeTFDB: an integrative database of Glycine max, Lotus japonicus and Medicago truncatula transcription factors. <i>Bioinformatics</i> , <b>2010</b> , 26, 290-1	7.2	66
190	Two closely related subclass II SnRK2 protein kinases cooperatively regulate drought-inducible gene expression. <i>Plant and Cell Physiology</i> , <b>2010</b> , 51, 842-7	4.9	102
189	Overproduction of the membrane-bound receptor-like protein kinase 1, RPK1, enhances abiotic stress tolerance in Arabidopsis. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 9190-201	5.4	107
188	Potential utilization of NAC transcription factors to enhance abiotic stress tolerance in plants by biotechnological approach. <i>GM Crops</i> , <b>2010</b> , 1, 32-9		156
187	RPK2 is an essential receptor-like kinase that transmits the CLV3 signal in Arabidopsis. <i>Development (Cambridge)</i> , <b>2010</b> , 137, 3911-20	6.6	249
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48	Regulation of genes that are induced by drought stress in Arabidopsis thaliana. <i>Journal of Plant Research</i> , <b>1995</b> , 108, 127-136	2.6	27
47	Two genes that encode ribosomal-protein S6 kinase homologs are induced by cold or salinity stress in Arabidopsis thaliana. <i>FEBS Letters</i> , <b>1995</b> , 358, 199-204	3.8	66
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41	Two genes that encode Ca(2+)-dependent protein kinases are induced by drought and high-salt stresses in Arabidopsis thaliana. <i>Molecular Genetics and Genomics</i> , <b>1994</b> , 244, 331-40		215
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33	An <i>Arabidopsis myb</i> homolog is induced by dehydration stress and its gene product binds to the conserved MYB recognition sequence. <i>Plant Cell</i> , <b>1993</b> , 5, 1529-39	11.6	469
32	An <i>Arabidopsis myb</i> Homolog Is Induced by Dehydration Stress and Its Gene Product Binds to the Conserved MYB Recognition Sequence. <i>Plant Cell</i> , <b>1993</b> , 5, 1529	11.6	52
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30	Characterization of the expression of a desiccation-responsive rd29 gene of <i>Arabidopsis thaliana</i> and analysis of its promoter in transgenic plants. <i>Molecular Genetics and Genomics</i> , <b>1993</b> , 236, 331-40		400
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28	Identification of a gene family ( <i>kat</i> ) encoding kinesin-like proteins in <i>Arabidopsis thaliana</i> and the characterization of secondary structure of <i>KatA</i> . <i>Molecular Genetics and Genomics</i> , <b>1993</b> , 238, 362-8		76
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20	Nucleotide sequence of a cDNA encoding a protein kinase homologue in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , <b>1992</b> , 18, 809-12	4.6	20
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4	Stress Physiology of Higher Plants: Cross-Talk between Abiotic and Biotic Stress Signaling		65-89 1
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1	Overexpression of full-length and partial DREB2A enhances soybean drought tolerance. <i>Agronomy Science and Biotechnology</i> , <b>2008</b> , 8, 1-21	0.4	2