Junya Mizoi

List of Publications by Year in descending order

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43 papers	7,170 citations	117625 34 h-index	302126 39 g-index
43 all docs	43 docs citations	43 times ranked	8332 citing authors

#	Article	IF	Citations
1	AP2/ERF family transcription factors in plant abiotic stress responses. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 86-96.	1.9	1,087
2	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.	5.7	871
3	NAC transcription factors in plant abiotic stress responses. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 97-103.	1.9	779
4	Arabidopsis HsfA1 transcription factors function as the main positive regulators in heat shock-responsive gene expression. Molecular Genetics and Genomics, 2011, 286, 321-332.	2.1	377
5	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.	2.1	362
6	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.	3.1	263
7	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.	5.7	255
8	Identification of Cis-Acting Promoter Elements in Cold- and Dehydration-Induced Transcriptional Pathways in Arabidopsis, Rice, and Soybean. DNA Research, 2012, 19, 37-49.	3.4	241
9	Functional analysis of an Arabidopsis heat-shock transcription factor HsfA3 in the transcriptional cascade downstream of the DREB2A stress-regulatory system. Biochemical and Biophysical Research Communications, 2008, 368, 515-521.	2.1	209
10	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.	6.6	184
11	The Phytochrome-Interacting Factor PIF7 Negatively RegulatesDREB1Expression under Circadian Control in Arabidopsis. Plant Physiology, 2009, 151, 2046-2057.	4.8	181
12	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.	5.7	173
13	Abiotic stressâ€inducible receptorâ€like kinases negatively control ABA signaling in Arabidopsis. Plant Journal, 2012, 70, 599-613.	5.7	168
14	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.	6.6	152
15	Functional Analysis of an Arabidopsis thaliana Abiotic Stress-inducible Facilitated Diffusion Transporter for Monosaccharides. Journal of Biological Chemistry, 2010, 285, 1138-1146.	3.4	151
16	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.	4.8	149
17	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.	8.3	145
18	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.	6.6	143

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19	Chloroplast Transformation with Modified accD Operon Increases Acetyl-CoA Carboxylase and Causes Extension of Leaf Longevity and Increase in Seed Yield in Tobacco. Plant and Cell Physiology, 2002, 43, 1518-1525.	3.1	126
20	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. Nature Plants, 2017, 3, 16204.	9.3	97
21	SPINDLY, a Negative Regulator of Gibberellic Acid Signaling, Is Involved in the Plant Abiotic Stress Response Â Â. Plant Physiology, 2011, 157, 1900-1913.	4.8	93
22	Induced over-expression of AtDREB2A CA improves drought tolerance in sugarcane. Plant Science, 2014, 221-222, 59-68.	3.6	91
23	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.	7.1	82
24	PHOSPHATIDYLSERINE SYNTHASE1 is required for microspore development in Arabidopsis thaliana. Plant Journal, 2011, 67, 648-661.	5.7	81
25	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.	7.1	77
26	Defects in CTP:PHOSPHORYLETHANOLAMINE CYTIDYLYLTRANSFERASE Affect Embryonic and Postembryonic Development in Arabidopsis. Plant Cell, 2007, 18, 3370-3385.	6.6	75
27	A geneâ€stacking approach to overcome the tradeâ€off between drought stress tolerance and growth in Arabidopsis. Plant Journal, 2019, 97, 240-256.	5.7	63
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.	3.4	62
29	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, .	7.1	61
30	Characterization of Soybean Genetically Modified for Drought Tolerance in Field Conditions. Frontiers in Plant Science, 2017, 8, 448.	3.6	59
31	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.	8.3	55
32	Stabilization of Arabidopsis DREB2A Is Required but Not Sufficient for the Induction of Target Genes under Conditions of Stress. PLoS ONE, 2013, 8, e80457.	2.5	52
33	Two Distinct Families of Protein Kinases Are Required for Plant Growth under High External Mg²⁺ Concentrations in Arabidopsis. Plant Physiology, 2015, 167, 1039-1057.	4.8	51
34	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.	1.3	34
35	Molecular Approaches to Improve Rice Abiotic Stress Tolerance. Methods in Molecular Biology, 2013, 956, 269-283.	0.9	24
36	Drought Stress Signaling Network. , 2014, , 383-409.		23

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37	Mitochondrial Phosphatidylethanolamine Level Modulates Cyt c Oxidase Activity to Maintain Respiration Capacity in Arabidopsis thaliana Rosette Leaves. Plant and Cell Physiology, 2013, 54, 1612-1619.	3.1	19
38	Functional analysis of the Hikeshi-like protein and its interaction with HSP70 in Arabidopsis. Biochemical and Biophysical Research Communications, 2014, 450, 396-400.	2.1	19
39	Cytosolic <scp>HSC70s</scp> repress heat stress tolerance and enhance seed germination under salt stress conditions. Plant, Cell and Environment, 2021, 44, 1788-1801.	5.7	16
40	<i>AtDREB2A-CA</i> Influences Root Architecture and Increases Drought Tolerance in Transgenic Cotton. Agricultural Sciences, 2017, 08, 1195-1225.	0.3	7
41	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
42	Overexpression of full-length and partial DREB2A enhances soybean drought tolerance. Agronomy Science and Biotechnology, 0, 8, 1-21.	0.3	5
43	Stress Signaling Networks: Drought Stress. , 2013, , 1-23.		3