Dea-Jin Yun

List of Publications by Year in Descending Order

211 papers	12,190 citations	60 h-index	104 g-index
217 ext. papers	14,368 ext. citations	6.6 avg, IF	5.93 L-index

#	Paper	IF	Citations
211	The Transcriptional Corepressor HOS15 Mediates Dark-Induced Leaf Senescence in Arabidopsis.. *Frontiers in Plant Science*, **2022**, 13, 828264	6.2	0
210	HOS15-PWR chromatin remodeling complex positively regulates cold stress in. *Plant Signaling and Behavior*, **2021**, 16, 1893978	2.5	3
209	CCoAOMT1 Plays a Role in Drought Stress Response via ROS- and ABA-Dependent Manners. *Plants*, **2021**, 10,	4.5	2
208	Microtubule Dynamics Plays a Vital Role in Plant Adaptation and Tolerance to Salt Stress. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
207	Redox-dependent structural switch and CBF activation confer freezing tolerance in plants. *Nature Plants*, **2021**, 7, 914-922	11.5	12
206	HKT sodium and potassium transporters in Arabidopsis thaliana and related halophyte species. *Physiologia Plantarum*, **2021**, 171, 546-558	4.6	13
205	Characterization of dwarf and narrow leaf () mutant in rice. *Plant Signaling and Behavior*, **2021**, 16, 1849490	2.5	4
204	Proteasome-Dependent Degradation of RPM1 Desensitizes the RPM1-Mediated Hypersensitive Response **2021**, 64, 217-225		0
203	Redox sensor QSOX1 regulates plant immunity by targeting GSNOR to modulate ROS generation. *Molecular Plant*, **2021**, 14, 1312-1327	14.4	3
202	AtLRRop2, an leucine-rich repeat-only protein, mediates cold stress response in Arabidopsis thaliana. *Plant Biotechnology Reports*, **2021**, 15, 641-649	2.5	0
201	SET DOMAIN GROUP 721 protein functions in saline-alkaline stress tolerance in the model rice variety Kitaake. *Plant Biotechnology Journal*, **2021**, 19, 2576-2588	11.6	1
200	Redox-mediated structural and functional switching of C-repeat binding factors enhances plant cold tolerance. *New Phytologist*, **2021**,	9.8	1
199	HOS15: A missing link that fine-tunes ABA signaling and drought tolerance in. *Plant Signaling and Behavior*, **2020**, 15, 1770964	2.5	4
198	PWR/HDA9/ABI4 Complex Epigenetically Regulates ABA Dependent Drought Stress Tolerance in. *Frontiers in Plant Science*, **2020**, 11, 623	6.2	21
197	The Auxin Signaling Repressor IAA8 Promotes Seed Germination Through Down-Regulation of Transcription in. *Frontiers in Plant Science*, **2020**, 11, 111	6.2	12
196	Histone Deacetylase HDA9 With ABI4 Contributes to Abscisic Acid Homeostasis in Drought Stress Response. *Frontiers in Plant Science*, **2020**, 11, 143	6.2	29
195	Arabidopsis HOS15 is a multifunctional protein that negatively regulate ABA-signaling and drought stress. *Plant Biotechnology Reports*, **2020**, 14, 163-167	2.5	5

194	Desensitization of ABA-Signaling: The Swing From Activation to Degradation. *Frontiers in Plant Science*, **2020**, 11, 379	6.2	28
193	Expression of Arabidopsis thaliana Thioredoxin-h2 in Brassica napus enhances antioxidant defenses and improves salt tolerance. *Plant Physiology and Biochemistry*, **2020**, 147, 313-321	5.4	12
192	STCH4/REIL2 Confers Cold Stress Tolerance in Arabidopsis by Promoting rRNA Processing and CBF Protein Translation. *Cell Reports*, **2020**, 30, 229-242.e5	10.6	21
191	ABAting the Response: A Novel ABA Signal Terminator that Disrupts the Hormone Co-receptor Complex. *Molecular Plant*, **2020**, 13, 1241-1243	14.4	
190	The GIGANTEA-ENHANCED EM LEVEL Complex Enhances Drought Tolerance via Regulation of Abscisic Acid Synthesis. *Plant Physiology*, **2020**, 184, 443-458	6.6	12
189	HOS15 is a transcriptional corepressor of NPR1-mediated gene activation of plant immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 30805-30815	11.5	5
188	The Histone-Modifying Complex PWR/HOS15/HD2C Epigenetically Regulates Cold Tolerance. *Plant Physiology*, **2020**, 184, 1097-1111	6.6	11
187	Chromatin remodeling complex HDA9-PWR-ABI4 epigenetically regulates drought stress response in plants. *Plant Signaling and Behavior*, **2020**, 15, 1803568	2.5	2
186	The Physiological Functions of Universal Stress Proteins and Their Molecular Mechanism to Protect Plants From Environmental Stresses. *Frontiers in Plant Science*, **2019**, 10, 750	6.2	44
185	Lignin biosynthesis genes play critical roles in the adaptation of plants to high-salt stress. *Plant Signaling and Behavior*, **2019**, 14, 1625697	2.5	28
184	A Critical Role of Sodium Flux via the Plasma Membrane Na/H Exchanger SOS1 in the Salt Tolerance of Rice. *Plant Physiology*, **2019**, 180, 1046-1065	6.6	68
183	Overexpression of AtYUCCA6 in soybean crop results in reduced ROS production and increased drought tolerance. *Plant Biotechnology Reports*, **2019**, 13, 161-168	2.5	8
182	Role and Functional Differences of HKT1-Type Transporters in Plants under Salt Stress. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	34
181	Plant-Growth Promoting YC7007 Modulates Stress-Response Gene Expression and Provides Protection From Salt Stress. *Frontiers in Plant Science*, **2019**, 10, 1646	6.2	11
180	AtPR5K2, a PR5-Like Receptor Kinase, Modulates Plant Responses to Drought Stress by Phosphorylating Protein Phosphatase 2Cs. *Frontiers in Plant Science*, **2019**, 10, 1146	6.2	23
179	Rheostatic Control of ABA Signaling through HOS15-Mediated OST1 Degradation. *Molecular Plant*, **2019**, 12, 1447-1462	14.4	34
178	HOS15 Interacts with the Histone Deacetylase HDA9 and the Evening Complex to Epigenetically Regulate the Floral Activator. *Plant Cell*, **2019**, 31, 37-51	11.6	39
177	Post-translational and transcriptional regulation of phenylpropanoid biosynthesis pathway by Kelch repeat F-box protein SAGL1. *Plant Molecular Biology*, **2019**, 99, 135-148	4.6	17

176	Metabolic Adjustment of Arabidopsis Root Suspension Cells During Adaptation to Salt Stress and Mitotic Stress Memory. *Plant and Cell Physiology*, **2019**, 60, 612-625	4.9	15
175	Enhanced multiple stress tolerance in Arabidopsis by overexpression of the polar moss peptidyl prolyl isomerase FKBP12 gene. *Plant Cell Reports*, **2018**, 37, 453-465	5.1	17
174	Tomato PEPR1 ORTHOLOG RECEPTOR-LIKE KINASE1 Regulates Responses to Systemin, Necrotrophic Fungi, and Insect Herbivory. *Plant Cell*, **2018**, 30, 2214-2229	11.6	20
173	Rice OsMYB5P improves plant phosphate acquisition by regulation of phosphate transporter. *PLoS ONE*, **2018**, 13, e0194628	3.7	13
172	It's Hard to Avoid Avoidance: Uncoupling the Evolutionary Connection between Plant Growth, Productivity and Stress "Tolerance". *International Journal of Molecular Sciences*, **2018**, 19,	6.3	11
171	Arabidopsis NHX Transporters: Sodium and Potassium Antiport Mythology and Sequestration During Ionic Stress **2018**, 61, 292-300		7
170	Identification and Molecular Characterization of HOS15-interacting Proteins in Arabidopsis thaliana **2018**, 61, 336-345		11
169	Calmodulin 2 Functions as an RNA Chaperone in Prokaryotic Cells. *Biotechnology and Bioprocess Engineering*, **2018**, 23, 448-455	3.1	0
168	The High-Affinity Potassium Transporter EpHKT1;2 From the Extremophile Mediates Salt Tolerance. *Frontiers in Plant Science*, **2018**, 9, 1108	6.2	25
167	Epigenetic switch from repressive to permissive chromatin in response to cold stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E5400-E5409	11.5	88
166	EMR, a cytosolic-abundant ring finger E3 ligase, mediates ER-associated protein degradation in Arabidopsis. *New Phytologist*, **2018**, 220, 163-177	9.8	14
165	HY5, a positive regulator of light signaling, negatively controls the unfolded protein response in. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 2084-2089	11.5	54
164	Arabidopsis thaliana RECEPTOR DEAD KINASE1 Functions as a Positive Regulator in Plant Responses to ABA. *Molecular Plant*, **2017**, 10, 223-243	14.4	37
163	Salt stress tolerance; what do we learn from halophytes? **2017**, 60, 431-439		36
162	Down-regulation of GIGANTEA-like genes increases plant growth and salt stress tolerance in poplar. *Plant Biotechnology Journal*, **2017**, 15, 331-343	11.6	33
161	Accession-Dependent Gene Deletion by CRISPR/Cas System in Arabidopsis. *Frontiers in Plant Science*, **2017**, 8, 1910	6.2	12
160	Cross-talk between Phosphate Starvation and Other Environmental Stress Signaling Pathways in Plants. *Molecules and Cells*, **2017**, 40, 697-705	3.5	36
159	Humic Acid Confers HIGH-AFFINITY K+ TRANSPORTER 1-Mediated Salinity Stress Tolerance in Arabidopsis. *Molecules and Cells*, **2017**, 40, 966-975	3.5	18

158	Arabidopsis HOOKLESS1 Regulates Responses to Pathogens and Abscisic Acid through Interaction with MED18 and Acetylation of WRKY33 and ABI5 Chromatin. *Plant Cell*, **2016**, 28, 1662-81	11.6	49
157	Global Regulation of Plant Immunity by Histone Lysine Methyl Transferases. *Plant Cell*, **2016**, 28, 1640-61	11.6	40
156	A Single Amino-Acid Substitution in the Sodium Transporter HKT1 Associated with Plant Salt Tolerance. *Plant Physiology*, **2016**, 171, 2112-26	6.6	64
155	A positive transcription factor in osmotic stress tolerance, ZAT10, is regulated by MAP kinases in Arabidopsis **2016**, 59, 55-61		16
154	Development of root system architecture of Arabidopsis thaliana in response to colonization by Martelella endophytica YC6887 depends on auxin signaling. *Plant and Soil*, **2016**, 405, 81-96	4.2	13
153	An Arabidopsis SUMO E3 Ligase, SIZ1, Negatively Regulates Photomorphogenesis by Promoting COP1 Activity. *PLoS Genetics*, **2016**, 12, e1006016	6	67
152	A Role for Arabidopsis miR399f in Salt, Drought, and ABA Signaling. *Molecules and Cells*, **2016**, 39, 111-8	3.5	52
151	Biological function of nonxpressor of pathogenesis-related genes 1 (NPR1) in response to biotic and abiotic stresses. *Journal of Plant Biotechnology*, **2016**, 43, 281-292	0.6	2
150	A New Insight of Salt Stress Signaling in Plant. *Molecules and Cells*, **2016**, 39, 447-59	3.5	131
149	The Thiol Reductase Activity of YUCCA6 Mediates Delayed Leaf Senescence by Regulating Genes Involved in Auxin Redistribution. *Frontiers in Plant Science*, **2016**, 7, 626	6.2	12
148	Ribosomal P3 protein AtP3B of Arabidopsis acts as both protein and RNA chaperone to increase tolerance of heat and cold stresses. *Plant, Cell and Environment*, **2016**, 39, 1631-42	8.4	14
147	Differential selection of sodium and potassium ions by TsHKT1;2. *Plant Signaling and Behavior*, **2016**, 11, e1206169	2.5	7
146	Diurnal and circadian regulation of salt tolerance in Arabidopsis **2016**, 59, 569-578		10
145	A chaperone function of NO CATALASE ACTIVITY1 is required to maintain catalase activity and for multiple stress responses in Arabidopsis. *Plant Cell*, **2015**, 27, 908-25	11.6	91
144	Stress-driven structural and functional switching of Ypt1p from a GTPase to a molecular chaperone mediates thermo tolerance in Saccharomyces cerevisiae. *FASEB Journal*, **2015**, 29, 4424-34	0.9	8
143	Allelic polymorphism of GIGANTEA is responsible for naturally occurring variation in circadian period in Brassica rapa. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3829-34	11.5	45
142	A novel thiol-reductase activity of Arabidopsis YUC6 confers drought tolerance independently of auxin biosynthesis. *Nature Communications*, **2015**, 6, 8041	17.4	51
141	The Arabidopsis a zinc finger domain protein ARS1 is essential for seed germination and ROS homeostasis in response to ABA and oxidative stress. *Frontiers in Plant Science*, **2015**, 6, 963	6.2	25

140	Universal Stress Protein Exhibits a Redox-Dependent Chaperone Function in Arabidopsis and Enhances Plant Tolerance to Heat Shock and Oxidative Stress. *Frontiers in Plant Science*, **2015**, 6, 1141	6.2	49
139	Pathogen associated molecular pattern (PAMP)-triggered immunity is compromised under C-limited growth. *Molecules and Cells*, **2015**, 38, 40-50	3.5	4
138	MED18 interaction with distinct transcription factors regulates multiple plant functions. *Nature Communications*, **2014**, 5, 3064	17.4	100
137	Genomics of plant abiotic stress tolerance **2014**, 231-255		
136	ZAT11, a zinc finger transcription factor, is a negative regulator of nickel ion tolerance in Arabidopsis. *Plant Cell Reports*, **2014**, 33, 2015-21	5.1	35
135	Genome structures and transcriptomes signify niche adaptation for the multiple-ion-tolerant extremophyte Schrenkiella parvula. *Plant Physiology*, **2014**, 164, 2123-38	6.6	49
134	CYCLIN-DEPENDENT KINASE8 differentially regulates plant immunity to fungal pathogens through kinase-dependent and -independent functions in Arabidopsis. *Plant Cell*, **2014**, 26, 4149-70	11.6	67
133	Overexpression of OsMYB4P, an R2R3-type MYB transcriptional activator, increases phosphate acquisition in rice. *Plant Physiology and Biochemistry*, **2014**, 80, 259-67	5.4	40
132	NADPH-dependent thioredoxin reductase A (NTRA) confers elevated tolerance to oxidative stress and drought. *Plant Physiology and Biochemistry*, **2014**, 80, 184-91	5.4	27
131	Screening of salt-tolerance plants using transgenic Arabidopsis that express a salt cress cDNA library. *Journal of Plant Biotechnology*, **2014**, 41, 81-88	0.6	2
130	ASYMMETRIC LEAVES1 is phosphorylated by MPK3/6 in Arabidopsis thaliana **2013**, 56, 208-215		2
129	Identification of SUMO-modified proteins by affinity purification and tandem mass spectrometry in Arabidopsis thaliana **2013**, 56, 176-185		5
128	SUMO proteins grapple with biotic and abiotic stresses in Arabidopsis **2013**, 56, 77-84		2
127	Biotechnology for mechanisms that counteract salt stress in extremophile species: a genome-based view. *Plant Biotechnology Reports*, **2013**, 7, 27-37	2.5	22
126	Regulation of miR399f transcription by AtMYB2 affects phosphate starvation responses in Arabidopsis. *Plant Physiology*, **2013**, 161, 362-73	6.6	94
125	New insights into the role of the small ubiquitin-like modifier (SUMO) in plants. *International Review of Cell and Molecular Biology*, **2013**, 300, 161-209	6	32
124	Release of SOS2 kinase from sequestration with GIGANTEA determines salt tolerance in Arabidopsis. *Nature Communications*, **2013**, 4, 1352	17.4	154
123	The role of Arabidopsis MYB2 in miR399f-mediated phosphate-starvation response. *Plant Signaling and Behavior*, **2013**, 8, e23488	2.5	27

122	Phosphorylation of the zinc finger transcriptional regulator ZAT6 by MPK6 regulates Arabidopsis seed germination under salt and osmotic stress. *Biochemical and Biophysical Research Communications*, **2013**, 430, 1054-9	3.4	67
121	Thioredoxin reductase type C (NTRC) orchestrates enhanced thermotolerance to Arabidopsis by its redox-dependent holdase chaperone function. *Molecular Plant*, **2013**, 6, 323-36	14.4	65
120	Overexpression of Arabidopsis YUCCA6 in potato results in high-auxin developmental phenotypes and enhanced resistance to water deficit. *Molecular Plant*, **2013**, 6, 337-49	14.4	124
119	Roles of YUCCAs in auxin biosynthesis and drought stress responses in plants. *Plant Signaling and Behavior*, **2013**, 8, e24495	2.5	26
118	Analysis of Arabidopsis thioredoxin-h isotypes identifies discrete domains that confer specific structural and functional properties. *Biochemical Journal*, **2013**, 456, 13-24	3.8	13
117	CYCLIN H;1 regulates drought stress responses and blue light-induced stomatal opening by inhibiting reactive oxygen species accumulation in Arabidopsis. *Plant Physiology*, **2013**, 162, 1030-41	6.6	31
116	A role for GIGANTEA: keeping the balance between flowering and salinity stress tolerance. *Plant Signaling and Behavior*, **2013**, 8, e24820	2.5	34
115	Role of HKT1 in Thellungiella salsuginea, a model extremophile plant. *Plant Signaling and Behavior*, **2013**, 8,	2.5	27
114	A Saccharomyces cerevisiae assay system to investigate ligand/AdipoR1 interactions that lead to cellular signaling. *PLoS ONE*, **2013**, 8, e65454	3.7	10
113	The transcriptional repressor activity of ASYMMETRIC LEAVES1 is inhibited by direct interaction with calmodulin in Arabidopsis. *Plant, Cell and Environment*, **2012**, 35, 1969-82	8.4	9
112	Molecular and functional properties of three different peroxiredoxin isotypes in Chinese cabbage. *Molecules and Cells*, **2012**, 33, 27-33	3.5	9
111	Constitutive expression of mammalian nitric oxide synthase in tobacco plants triggers disease resistance to pathogens. *Molecules and Cells*, **2012**, 34, 463-71	3.5	56
110	TsHKT1;2, a HKT1 homolog from the extremophile Arabidopsis relative Thellungiella salsuginea, shows K(+) specificity in the presence of NaCl. *Plant Physiology*, **2012**, 158, 1463-74	6.6	114
109	Phosphorylation by AtMPK6 is required for the biological function of AtMYB41 in Arabidopsis. *Biochemical and Biophysical Research Communications*, **2012**, 422, 181-6	3.4	37
108	The scope of things to come: New paradigms in biotechnology **2012**, 19-34		1
107	A NAC transcription factor and SNI1 cooperatively suppress basal pathogen resistance in Arabidopsis thaliana. *Nucleic Acids Research*, **2012**, 40, 9182-92	20.1	40
106	Monoclonal antibodies against recombinant AtHOS15. *Hybridoma*, **2012**, 31, 118-24		2
105	A vacuolar β-glucosidase homolog that possesses glucose-conjugated abscisic acid hydrolyzing activity plays an important role in osmotic stress responses in Arabidopsis. *Plant Cell*, **2012**, 24, 2184-99	11.6	195

104	Characterization of small ubiquitin-like modifier E3 ligase, OsSIZ1, mutant in rice. *Journal of Plant Biotechnology*, **2012**, 39, 235-241	0.6	
103	The Arabidopsis thaliana homeobox gene ATHB12 is involved in symptom development caused by geminivirus infection. *PLoS ONE*, **2011**, 6, e20054	3.7	18
102	Transgenic poplar expressing Arabidopsis NDPK2 enhances growth as well as oxidative stress tolerance. *Plant Biotechnology Journal*, **2011**, 9, 334-47	11.6	56
101	Changes in oxygen and carbon dioxide environment alter gene expression of cowpea bruchids. *Journal of Insect Physiology*, **2011**, 57, 220-30	2.4	17
100	Stability of AtVSP in the insect digestive canal determines its defensive capability. *Journal of Insect Physiology*, **2011**, 57, 391-9	2.4	5
99	SUMO and SUMOylation in plants. *Molecules and Cells*, **2011**, 32, 305-16	3.5	89
98	Identification and molecular properties of SUMO-binding proteins in Arabidopsis. *Molecules and Cells*, **2011**, 32, 143-51	3.5	34
97	Arabidopsis MAP kinase phosphatase 1 is phosphorylated and activated by its substrate AtMPK6. *Plant Cell Reports*, **2011**, 30, 1523-31	5.1	32
96	Ubiquitin and Ubiquitin-like Modifiers in Plants **2011**, 54, 275-285		17
95	NKS1, Na(+)- and K(+)-sensitive 1, regulates ion homeostasis in an SOS-independent pathway in Arabidopsis. *Phytochemistry*, **2011**, 72, 330-6	4	8
94	Overexpression of 2-cysteine peroxiredoxin enhances tolerance to methyl viologen-mediated oxidative stress and high temperature in potato plants. *Plant Physiology and Biochemistry*, **2011**, 49, 891-7	5.4	46
93	Activation of the plasma membrane Na/H antiporter Salt-Overly-Sensitive 1 (SOS1) by phosphorylation of an auto-inhibitory C-terminal domain. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2611-6	11.5	241
92	YUCCA6 over-expression demonstrates auxin function in delaying leaf senescence in Arabidopsis thaliana. *Journal of Experimental Botany*, **2011**, 62, 3981-92	7	132
91	The genome of the extremophile crucifer Thellungiella parvula. *Nature Genetics*, **2011**, 43, 913-8	36.3	261
90	AtCBP63, a Arabidopsis Calmodulin-binding Protein 63, Enhances Disease Resistance Against Soft Rot Disease in Potato. *Journal of Plant Biotechnology*, **2011**, 38, 62-68	0.6	3
89	Functional characterization of Arabidopsis thaliana BLH 8, BEL1-Like Homeodomain 8 involved in environmental stresses. *Journal of Plant Biotechnology*, **2011**, 38, 162-168	0.6	1
88	Transgenic poplar expressing AtNDPK2 exhibits enhanced biomass in the LMO field. *Journal of Plant Biotechnology*, **2011**, 38, 228-233	0.6	0
87	Functional characterization of the SIZ/PIAS-type SUMO E3 ligases, OsSIZ1 and OsSIZ2 in rice. *Plant, Cell and Environment*, **2010**, 33, 1923-34	8.4	71

86	Control of lateral organ development and flowering time by the Arabidopsis thaliana MADS-box Gene AGAMOUS-LIKE6. *Plant Journal*, **2010**, 62, 807-16	6.9	82
85	The DOF transcription factor Dof5.1 influences leaf axial patterning by promoting Revoluta transcription in Arabidopsis. *Plant Journal*, **2010**, 64, 524-35	6.9	53
84	Enhanced tolerance to methyl viologen-induced oxidative stress and high temperature in transgenic potato plants overexpressing the CuZnSOD, APX and NDPK2 genes. *Physiologia Plantarum*, **2010**, 140, 153-62	4.6	74
83	ATHB12, an ABA-inducible homeodomain-leucine zipper (HD-Zip) protein of Arabidopsis, negatively regulates the growth of the inflorescence stem by decreasing the expression of a gibberellin 20-oxidase gene. *Plant and Cell Physiology*, **2010**, 51, 1537-47	4.9	56
82	A comparative study of salt tolerance parameters in 11 wild relatives of Arabidopsis thaliana. *Journal of Experimental Botany*, **2010**, 61, 3787-98	7	96
81	Structural and functional studies of SIZ1, a PIAS-type SUMO E3 ligase from Arabidopsis. *Plant Signaling and Behavior*, **2010**, 5, 567-9	2.5	8
80	Genome structures and halophyte-specific gene expression of the extremophile Thellungiella parvula in comparison with Thellungiella salsuginea (Thellungiella halophila) and Arabidopsis. *Plant Physiology*, **2010**, 154, 1040-52	6.6	81
79	N-glycosylation at non-canonical Asn-X-Cys sequence of an insect recombinant cathepsin B-like counter-defense protein. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2010**, 156, 40-7	2.3	11
78	Intracellular consequences of SOS1 deficiency during salt stress. *Journal of Experimental Botany*, **2010**, 61, 1205-13	7	115
77	AtCML8, a calmodulin-like protein, differentially activating CaM-dependent enzymes in Arabidopsis thaliana. *Plant Cell Reports*, **2010**, 29, 1297-304	5.1	29
76	Cadmium activates Arabidopsis MPK3 and MPK6 via accumulation of reactive oxygen species. *Phytochemistry*, **2010**, 71, 614-8	4	133
75	Specificity of DNA sequences recognized by the zinc-finger homeodomain protein, GmZF-HD1 in soybean. *Phytochemistry*, **2010**, 71, 1832-8	4	6
74	Activation tagging of an Arabidopsis SHI-RELATED SEQUENCE gene produces abnormal anther dehiscence and floral development. *Plant Molecular Biology*, **2010**, 74, 337-51	4.6	26
73	Heat-shock dependent oligomeric status alters the function of a plant-specific thioredoxin-like protein, AtTDX. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 5978-83	11.5	84
72	Specific domain structures control abscisic acid-, salicylic acid-, and stress-mediated SIZ1 phenotypes. *Plant Physiology*, **2009**, 151, 1930-42	6.6	46
71	SOS1 and halophytism. *Plant Signaling and Behavior*, **2009**, 4, 1081-3	2.5	14
70	Heat-shock and redox-dependent functional switching of an h-type Arabidopsis thioredoxin from a disulfide reductase to a molecular chaperone. *Plant Physiology*, **2009**, 150, 552-61	6.6	98
69	Loss of halophytism by interference with SOS1 expression. *Plant Physiology*, **2009**, 151, 210-22	6.6	210

68	Calcium and calmodulin-mediated regulation of gene expression in plants. *Molecular Plant*, **2009**, 2, 13-21	14.4	199
67	Identification and characterization of alternative promoters of the rice MAP kinase gene OsBWMK1. *Molecules and Cells*, **2009**, 27, 467-73	3.5	15
66	Functional analysis of the stress-inducible soybean calmodulin isoform-4 (GmCaM-4) promoter in transgenic tobacco plants. *Molecules and Cells*, **2009**, 27, 475-80	3.5	20
65	The calmodulin-binding transcription factor OsCBT suppresses defense responses to pathogens in rice. *Molecules and Cells*, **2009**, 27, 563-70	3.5	34
64	Expression of Arabidopsis NDPK2 increases antioxidant enzyme activities and enhances tolerance to multiple environmental stresses in transgenic sweetpotato plants. *Molecular Breeding*, **2009**, 24, 233-244	2.4	43
63	Oligomerization and chaperone activity of a plant 2-Cys peroxiredoxin in response to oxidative stress. *Plant Science*, **2009**, 177, 227-232	5.3	52
62	Arabidopsis thaliana PRP40s are RNA polymerase II C-terminal domain-associating proteins. *Archives of Biochemistry and Biophysics*, **2009**, 484, 30-8	4.1	24
61	Involvement of Arabidopsis HOS15 in histone deacetylation and cold tolerance. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4945-50	11.5	230
60	Abnormal chloroplast development and growth inhibition in rice thioredoxin m knock-down plants. *Plant Physiology*, **2008**, 148, 808-17	6.6	47
59	DNA-binding study identifies C-box and hybrid C/G-box or C/A-box motifs as high-affinity binding sites for STF1 and LONG HYPOCOTYL5 proteins. *Plant Physiology*, **2008**, 146, 1862-77	6.6	55
58	The SUMO E3 ligase, AtSIZ1, regulates flowering by controlling a salicylic acid-mediated floral promotion pathway and through affects on FLC chromatin structure. *Plant Journal*, **2008**, 53, 530-40	6.9	186
57	Enhanced tolerance of transgenic potato plants overexpressing nucleoside diphosphate kinase 2 against multiple environmental stresses. *Transgenic Research*, **2008**, 17, 705-15	3.3	85
56	Suppression of reactive oxygen species by glyceraldehyde-3-phosphate dehydrogenase. *Phytochemistry*, **2008**, 69, 333-8	4	74
55	Characterization of SID2 that is required for the production of salicylic acid by using □GLUCURONIDASE and LUCIFERASE reporter system in Arabidoposis. *Journal of Plant Biotechnology*, **2008**, 35, 169-176	0.6	
54	An Experimental Study on the Fabrication of Glass-based Acceleration Sensor Body Using Micro Powder Blasting Method. *Sensors*, **2007**, 7, 697-707	3.8	5
53	Sodium Stress in the Halophyte Thellungiella halophila and Transcriptional Changes in a thsos1-RNA Interference Line. *Journal of Integrative Plant Biology*, **2007**, 49, 1484-1496	8.3	53
52	Salt-stress signaling **2007**, 50, 148-155		40
51	Particle bombardment-mediated transformation of barley with an Arabidopsis NDPK2 cDNA. *Plant Biotechnology Reports*, **2007**, 1, 71-77	2.5	15

50	Identification of a calmodulin-binding NAC protein as a transcriptional repressor in Arabidopsis. *Journal of Biological Chemistry*, **2007**, 282, 36292-302	5.4	97
49	yucca6, a dominant mutation in Arabidopsis, affects auxin accumulation and auxin-related phenotypes. *Plant Physiology*, **2007**, 145, 722-35	6.6	115
48	Regulation of Plant Innate Immunity by SUMO E3 Ligase. *Plant Signaling and Behavior*, **2007**, 2, 253-4	2.5	12
47	SIZ1-mediated sumoylation of ICE1 controls CBF3/DREB1A expression and freezing tolerance in Arabidopsis. *Plant Cell*, **2007**, 19, 1403-14	11.6	531
46	An enhancer mutant of Arabidopsis salt overly sensitive 3 mediates both ion homeostasis and the oxidative stress response. *Molecular and Cellular Biology*, **2007**, 27, 5214-24	4.8	112
45	Pathogen-induced binding of the soybean zinc finger homeodomain proteins GmZF-HD1 and GmZF-HD2 to two repeats of ATTA homeodomain binding site in the calmodulin isoform 4 (GmCaM4) promoter. *Nucleic Acids Research*, **2007**, 35, 3612-23	20.1	50
44	Salicylic acid-mediated innate immunity in Arabidopsis is regulated by SIZ1 SUMO E3 ligase. *Plant Journal*, **2007**, 49, 79-90	6.9	248
43	Isolation and characterization of a novel calcium/calmodulin-dependent protein kinase, AtCK, from arabidopsis. *Molecules and Cells*, **2007**, 24, 276-82	3.5	9
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