

Dea-Jin Yun

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4137896/dea-jin-yun-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Two enzymes in one; two yeast peroxiredoxins display oxidative stress-dependent switching from a peroxidase to a molecular chaperone function. <i>Cell</i> , 2004 , 117, 625-35	56.2	623
210	SIZ1-mediated sumoylation of ICE1 controls CBF3/DREB1A expression and freezing tolerance in Arabidopsis. <i>Plant Cell</i> , 2007 , 19, 1403-14	11.6	531
209	The Arabidopsis SUMO E3 ligase SIZ1 controls phosphate deficiency responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7760-5	11.5	488
208	NDP kinase 2 interacts with two oxidative stress-activated MAPKs to regulate cellular redox state and enhances multiple stress tolerance in transgenic plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 358-63	11.5	366
207	The genome of the extremophile crucifer <i>Thellungiella parvula</i> . <i>Nature Genetics</i> , 2011 , 43, 913-8	36.3	261
206	Salicylic acid-mediated innate immunity in Arabidopsis is regulated by SIZ1 SUMO E3 ligase. <i>Plant Journal</i> , 2007 , 49, 79-90	6.9	248
205	Activation of the plasma membrane Na/H antiporter Salt-Overly-Sensitive 1 (SOS1) by phosphorylation of an auto-inhibitory C-terminal domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2611-6	11.5	241
204	A novel cold-inducible zinc finger protein from soybean, SCOF-1, enhances cold tolerance in transgenic plants. <i>Plant Journal</i> , 2001 , 25, 247-59	6.9	234
203	Involvement of Arabidopsis HOS15 in histone deacetylation and cold tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4945-50	11.5	230
202	Loss of halophytism by interference with SOS1 expression. <i>Plant Physiology</i> , 2009 , 151, 210-22	6.6	210
201	Direct interaction of a divergent CaM isoform and the transcription factor, MYB2, enhances salt tolerance in arabidopsis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 3697-706	5.4	203
200	Calcium and calmodulin-mediated regulation of gene expression in plants. <i>Molecular Plant</i> , 2009 , 2, 13-21	14.4	199
199	A vacuolar β -glucosidase homolog that possesses glucose-conjugated abscisic acid hydrolyzing activity plays an important role in osmotic stress responses in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 2184-99	11.6	195
198	Production of tropane alkaloids in genetically engineered root cultures. <i>Phytochemistry</i> , 1993 , 32, 713-718	1.8	188
197	Stress signaling through Ca^{2+} /calmodulin-dependent protein phosphatase calcineurin mediates salt adaptation in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9681-6	11.5	187
196	The SUMO E3 ligase, AtSIZ1, regulates flowering by controlling a salicylic acid-mediated floral promotion pathway and through affects on FLC chromatin structure. <i>Plant Journal</i> , 2008 , 53, 530-40	6.9	186
195	Osmotin is a homolog of mammalian adiponectin and controls apoptosis in yeast through a homolog of mammalian adiponectin receptor. <i>Molecular Cell</i> , 2005 , 17, 171-80	17.6	155

194	Release of SOS2 kinase from sequestration with GIGANTEA determines salt tolerance in Arabidopsis. <i>Nature Communications</i> , 2013 , 4, 1352	17.4	154
193	SIZ1 small ubiquitin-like modifier E3 ligase facilitates basal thermotolerance in Arabidopsis independent of salicylic acid. <i>Plant Physiology</i> , 2006 , 142, 1548-58	6.6	142
192	A plant defense response effector induces microbial apoptosis. <i>Molecular Cell</i> , 2001 , 8, 921-30	17.6	141
191	Cadmium activates Arabidopsis MPK3 and MPK6 via accumulation of reactive oxygen species. <i>Phytochemistry</i> , 2010 , 71, 614-8	4	133
190	YUCCA6 over-expression demonstrates auxin function in delaying leaf senescence in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2011 , 62, 3981-92	7	132
189	A New Insight of Salt Stress Signaling in Plant. <i>Molecules and Cells</i> , 2016 , 39, 447-59	3.5	131
188	The plant CDF family member TgMTP1 from the Ni/Zn hyperaccumulator Thlaspi goesingense acts to enhance efflux of Zn at the plasma membrane when expressed in Saccharomyces cerevisiae. <i>Plant Journal</i> , 2004 , 39, 237-51	6.9	128
187	Effects of methyl jasmonate and salicylic acid on the production of tropane alkaloids and the expression of PMT and H6H in adventitious root cultures of Scopolia parviflora. <i>Plant Science</i> , 2004 , 166, 745-751	5.3	126
186	Overexpression of Arabidopsis YUCCA6 in potato results in high-auxin developmental phenotypes and enhanced resistance to water deficit. <i>Molecular Plant</i> , 2013 , 6, 337-49	14.4	124
185	Intracellular consequences of SOS1 deficiency during salt stress. <i>Journal of Experimental Botany</i> , 2010 , 61, 1205-13	7	115
184	yucca6, a dominant mutation in Arabidopsis, affects auxin accumulation and auxin-related phenotypes. <i>Plant Physiology</i> , 2007 , 145, 722-35	6.6	115
183	TsHKT1;2, a HKT1 homolog from the extremophile Arabidopsis relative Thellungiella salsuginea, shows K(+) specificity in the presence of NaCl. <i>Plant Physiology</i> , 2012 , 158, 1463-74	6.6	114
182	An enhancer mutant of Arabidopsis salt overly sensitive 3 mediates both ion homeostasis and the oxidative stress response. <i>Molecular and Cellular Biology</i> , 2007 , 27, 5214-24	4.8	112
181	Phosphorylation and concomitant structural changes in human 2-Cys peroxiredoxin isotype I differentially regulate its peroxidase and molecular chaperone functions. <i>FEBS Letters</i> , 2006 , 580, 351-5	3.8	110
180	Osmotin, a plant antifungal protein, subverts signal transduction to enhance fungal cell susceptibility. <i>Molecular Cell</i> , 1998 , 1, 807-17	17.6	101
179	MED18 interaction with distinct transcription factors regulates multiple plant functions. <i>Nature Communications</i> , 2014 , 5, 3064	17.4	100
178	Heat-shock and redox-dependent functional switching of an h-type Arabidopsis thioredoxin from a disulfide reductase to a molecular chaperone. <i>Plant Physiology</i> , 2009 , 150, 552-61	6.6	98
177	Identification of a calmodulin-binding NAC protein as a transcriptional repressor in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 36292-302	5.4	97

176	A comparative study of salt tolerance parameters in 11 wild relatives of <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2010 , 61, 3787-98	7	96
175	Regulation of miR399f transcription by AtMYB2 affects phosphate starvation responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013 , 161, 362-73	6.6	94
174	<i>Arabidopsis</i> C-terminal domain phosphatase-like 1 and 2 are essential Ser-5-specific C-terminal domain phosphatases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14539-44	11.5	92
173	A chaperone function of NO CATALASE ACTIVITY1 is required to maintain catalase activity and for multiple stress responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015 , 27, 908-25	11.6	91
172	A Chinese cabbage cDNA with high sequence identity to phospholipid hydroperoxide glutathione peroxidases encodes a novel isoform of thioredoxin-dependent peroxidase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 12572-8	5.4	91
171	SUMO and SUMOylation in plants. <i>Molecules and Cells</i> , 2011 , 32, 305-16	3.5	89
170	Epigenetic switch from repressive to permissive chromatin in response to cold stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5400-E5409	11.5	88
169	Enhanced tolerance of transgenic potato plants overexpressing nucleoside diphosphate kinase 2 against multiple environmental stresses. <i>Transgenic Research</i> , 2008 , 17, 705-15	3.3	85
168	Heat-shock dependent oligomeric status alters the function of a plant-specific thioredoxin-like protein, AtTDX. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 5978-83	11.5	84
167	The C-type <i>Arabidopsis</i> thioredoxin reductase ANTR-C acts as an electron donor to 2-Cys peroxiredoxins in chloroplasts. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 478-84	3.4	83
166	Control of lateral organ development and flowering time by the <i>Arabidopsis thaliana</i> MADS-box Gene AGAMOUS-LIKE6. <i>Plant Journal</i> , 2010 , 62, 807-16	6.9	82
165	Genome structures and halophyte-specific gene expression of the extremophile <i>Thellungiella parvula</i> in comparison with <i>Thellungiella salsuginea</i> (<i>Thellungiella halophila</i>) and <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010 , 154, 1040-52	6.6	81
164	Crystal structure of osmotin, a plant antifungal protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004 , 54, 170-3	4.2	76
163	Enhanced tolerance to methyl viologen-induced oxidative stress and high temperature in transgenic potato plants overexpressing the CuZnSOD, APX and NDPK2 genes. <i>Physiologia Plantarum</i> , 2010 , 140, 153-62	4.6	74
162	Suppression of reactive oxygen species by glyceraldehyde-3-phosphate dehydrogenase. <i>Phytochemistry</i> , 2008 , 69, 333-8	4	74
161	Gene expression profiles during heat acclimation in <i>Arabidopsis thaliana</i> suspension-culture cells. <i>Journal of Plant Research</i> , 2006 , 119, 373-83	2.6	73
160	An <i>Atropa belladonna</i> hyoscyamine 6beta-hydroxylase gene is differentially expressed in the root pericycle and anthers. <i>Plant Molecular Biology</i> , 1999 , 40, 141-52	4.6	73
159	Functional characterization of the SIZ/PIAS-type SUMO E3 ligases, OsSIZ1 and OsSIZ2 in rice. <i>Plant, Cell and Environment</i> , 2010 , 33, 1923-34	8.4	71

158	Bax-induced cell death of Arabidopsis is mediated through reactive oxygen-dependent and -independent processes. <i>Plant Molecular Biology</i> , 2004 , 56, 15-27	4.6	70
157	A Critical Role of Sodium Flux via the Plasma Membrane Na/H Exchanger SOS1 in the Salt Tolerance of Rice. <i>Plant Physiology</i> , 2019 , 180, 1046-1065	6.6	68
156	CYCLIN-DEPENDENT KINASE8 differentially regulates plant immunity to fungal pathogens through kinase-dependent and -independent functions in Arabidopsis. <i>Plant Cell</i> , 2014 , 26, 4149-70	11.6	67
155	Phosphorylation of the zinc finger transcriptional regulator ZAT6 by MPK6 regulates Arabidopsis seed germination under salt and osmotic stress. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 1054-9	3.4	67
154	An Arabidopsis SUMO E3 Ligase, SIZ1, Negatively Regulates Photomorphogenesis by Promoting COP1 Activity. <i>PLoS Genetics</i> , 2016 , 12, e1006016	6	67
153	Thioredoxin reductase type C (NTRC) orchestrates enhanced thermotolerance to Arabidopsis by its redox-dependent holdase chaperone function. <i>Molecular Plant</i> , 2013 , 6, 323-36	14.4	65
152	A Single Amino-Acid Substitution in the Sodium Transporter HKT1 Associated with Plant Salt Tolerance. <i>Plant Physiology</i> , 2016 , 171, 2112-26	6.6	64
151	Soybean ascorbate peroxidase suppresses Bax-induced apoptosis in yeast by inhibiting oxygen radical generation. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 457-62	3.4	58
150	Constitutive expression of mammalian nitric oxide synthase in tobacco plants triggers disease resistance to pathogens. <i>Molecules and Cells</i> , 2012 , 34, 463-71	3.5	56
149	Transgenic poplar expressing Arabidopsis NDPK2 enhances growth as well as oxidative stress tolerance. <i>Plant Biotechnology Journal</i> , 2011 , 9, 334-47	11.6	56
148	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. <i>Plant and Cell Physiology</i> , 2010 , 51, 1537-47	4.9	56
147	Over-expression of a seed specific hevein-like antimicrobial peptide from <i>Pharbitis nil</i> enhances resistance to a fungal pathogen in transgenic tobacco plants. <i>Plant Molecular Biology</i> , 2002 , 50, 441-52	4.6	56
146	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. <i>Plant Physiology</i> , 2008 , 146, 1862-77	6.6	55
145	HY5, a positive regulator of light signaling, negatively controls the unfolded protein response in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2084-2089	11.5	54
144	The DOF transcription factor Dof5.1 influences leaf axial patterning by promoting Revoluta transcription in Arabidopsis. <i>Plant Journal</i> , 2010 , 64, 524-35	6.9	53
143	Sodium Stress in the Halophyte <i>Thellungiella halophila</i> and Transcriptional Changes in a ths1-RNA Interference Line. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 1484-1496	8.3	53
142	Oligomerization and chaperone activity of a plant 2-Cys peroxiredoxin in response to oxidative stress. <i>Plant Science</i> , 2009 , 177, 227-232	5.3	52
141	A Role for Arabidopsis miR399f in Salt, Drought, and ABA Signaling. <i>Molecules and Cells</i> , 2016 , 39, 111-8	3.5	52

140	A novel thiol-reductase activity of Arabidopsis YUC6 confers drought tolerance independently of auxin biosynthesis. <i>Nature Communications</i> , 2015 , 6, 8041	17.4	51
139	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. <i>Nucleic Acids Research</i> , 2007 , 35, 3612-23	20.1	50
138	Arabidopsis HOOKLESS1 Regulates Responses to Pathogens and Absciscic Acid through Interaction with MED18 and Acetylation of WRKY33 and ABI5 Chromatin. <i>Plant Cell</i> , 2016 , 28, 1662-81	11.6	49
137	Genome structures and transcriptomes signify niche adaptation for the multiple-ion-tolerant extremophyte <i>Schrenkiella parvula</i> . <i>Plant Physiology</i> , 2014 , 164, 2123-38	6.6	49
136	Universal Stress Protein Exhibits a Redox-Dependent Chaperone Function in Arabidopsis and Enhances Plant Tolerance to Heat Shock and Oxidative Stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 1141	6.2	49
135	Enhanced production of scopolamine by bacterial elicitors in adventitious hairy root cultures of <i>Scopolia parviflora</i> . <i>Enzyme and Microbial Technology</i> , 2003 , 33, 987-990	3.8	49
134	Pn-AMP1, a plant defense protein, induces actin depolarization in yeasts. <i>Plant and Cell Physiology</i> , 2004 , 45, 1669-80	4.9	48
133	Resistance to the plant PR-5 protein osmotin in the model fungus <i>Saccharomyces cerevisiae</i> is mediated by the regulatory effects of SSD1 on cell wall composition. <i>Plant Journal</i> , 2001 , 25, 271-80	6.9	48
132	Abnormal chloroplast development and growth inhibition in rice thioredoxin m knock-down plants. <i>Plant Physiology</i> , 2008 , 148, 808-17	6.6	47
131	Specific domain structures control abscisic acid-, salicylic acid-, and stress-mediated SIZ1 phenotypes. <i>Plant Physiology</i> , 2009 , 151, 1930-42	6.6	46
130	Overexpression of 2-cysteine peroxiredoxin enhances tolerance to methyl viologen-mediated oxidative stress and high temperature in potato plants. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 891-7	5.4	46
129	Allelic polymorphism of GIGANTEA is responsible for naturally occurring variation in circadian period in <i>Brassica rapa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3829-34	11.5	45
128	The Physiological Functions of Universal Stress Proteins and Their Molecular Mechanism to Protect Plants From Environmental Stresses. <i>Frontiers in Plant Science</i> , 2019 , 10, 750	6.2	44
127	Expression of Arabidopsis NDPK2 increases antioxidant enzyme activities and enhances tolerance to multiple environmental stresses in transgenic sweetpotato plants. <i>Molecular Breeding</i> , 2009 , 24, 233-244	3.4	43
126	Global Regulation of Plant Immunity by Histone Lysine Methyl Transferases. <i>Plant Cell</i> , 2016 , 28, 1640-61	11.6	40
125	Overexpression of OsMYB4P, an R2R3-type MYB transcriptional activator, increases phosphate acquisition in rice. <i>Plant Physiology and Biochemistry</i> , 2014 , 80, 259-67	5.4	40
124	A NAC transcription factor and SNI1 cooperatively suppress basal pathogen resistance in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2012 , 40, 9182-92	20.1	40
123	Salt-stress signaling 2007 , 50, 148-155		40

122	Athb-12, a homeobox-leucine zipper domain protein from <i>Arabidopsis thaliana</i> , increases salt tolerance in yeast by regulating sodium exclusion. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 323, 534-40	3.4	40
121	Heterotrimeric G-proteins of a filamentous fungus regulate cell wall composition and susceptibility to a plant PR-5 protein. <i>Plant Journal</i> , 2000 , 22, 61-9	6.9	40
120	HOS15 Interacts with the Histone Deacetylase HDA9 and the Evening Complex to Epigenetically Regulate the Floral Activator. <i>Plant Cell</i> , 2019 , 31, 37-51	11.6	39
119	Mammalian Bax initiates plant cell death through organelle destruction. <i>Plant Cell Reports</i> , 2005 , 24, 408-17	5.1	38
118	<i>Arabidopsis thaliana</i> RECEPTOR DEAD KINASE1 Functions as a Positive Regulator in Plant Responses to ABA. <i>Molecular Plant</i> , 2017 , 10, 223-243	14.4	37
117	Phosphorylation by AtMPK6 is required for the biological function of AtMYB41 in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012 , 422, 181-6	3.4	37
116	Salt stress tolerance; what do we learn from halophytes? 2017 , 60, 431-439		36
115	Cross-talk between Phosphate Starvation and Other Environmental Stress Signaling Pathways in Plants. <i>Molecules and Cells</i> , 2017 , 40, 697-705	3.5	36
114	ZAT11, a zinc finger transcription factor, is a negative regulator of nickel ion tolerance in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2014 , 33, 2015-21	5.1	35
113	Role and Functional Differences of HKT1-Type Transporters in Plants under Salt Stress. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	34
112	Rheostatic Control of ABA Signaling through HOS15-Mediated OST1 Degradation. <i>Molecular Plant</i> , 2019 , 12, 1447-1462	14.4	34
111	A role for GIGANTEA: keeping the balance between flowering and salinity stress tolerance. <i>Plant Signaling and Behavior</i> , 2013 , 8, e24820	2.5	34
110	Identification and molecular properties of SUMO-binding proteins in <i>Arabidopsis</i> . <i>Molecules and Cells</i> , 2011 , 32, 143-51	3.5	34
109	The calmodulin-binding transcription factor OsCBT suppresses defense responses to pathogens in rice. <i>Molecules and Cells</i> , 2009 , 27, 563-70	3.5	34
108	Pn-AMPs, the hevein-like proteins from <i>Pharbitis nil</i> confers disease resistance against phytopathogenic fungi in tomato, <i>Lycopersicon esculentum</i> . <i>Phytochemistry</i> , 2003 , 62, 1073-9	4	34
107	Down-regulation of GIGANTEA-like genes increases plant growth and salt stress tolerance in poplar. <i>Plant Biotechnology Journal</i> , 2017 , 15, 331-343	11.6	33
106	GSH-dependent peroxidase activity of the rice (<i>Oryza sativa</i>) glutaredoxin, a thioltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 296, 1152-6	3.4	33
105	New insights into the role of the small ubiquitin-like modifier (SUMO) in plants. <i>International Review of Cell and Molecular Biology</i> , 2013 , 300, 161-209	6	32

104	Arabidopsis MAP kinase phosphatase 1 is phosphorylated and activated by its substrate AtMPK6. <i>Plant Cell Reports</i> , 2011 , 30, 1523-31	5.1	32
103	CYCLIN H;1 regulates drought stress responses and blue light-induced stomatal opening by inhibiting reactive oxygen species accumulation in Arabidopsis. <i>Plant Physiology</i> , 2013 , 162, 1030-41	6.6	31
102	Cloning of two splice variants of the rice PTS1 receptor, OsPex5pL and OsPex5pS, and their functional characterization using pex5-deficient yeast and Arabidopsis. <i>Plant Journal</i> , 2006 , 47, 457-66	6.9	30
101	Histone Deacetylase HDA9 With ABI4 Contributes to Absciscic Acid Homeostasis in Drought Stress Response. <i>Frontiers in Plant Science</i> , 2020 , 11, 143	6.2	29
100	AtCML8, a calmodulin-like protein, differentially activating CaM-dependent enzymes in Arabidopsis thaliana. <i>Plant Cell Reports</i> , 2010 , 29, 1297-304	5.1	29
99	Lignin biosynthesis genes play critical roles in the adaptation of plants to high-salt stress. <i>Plant Signaling and Behavior</i> , 2019 , 14, 1625697	2.5	28
98	Desensitization of ABA-Signaling: The Swing From Activation to Degradation. <i>Frontiers in Plant Science</i> , 2020 , 11, 379	6.2	28
97	Over-expressed rice ADP-ribosylation factor 1 (RARF1) induces pathogenesis-related genes and pathogen resistance in tobacco plants. <i>Physiologia Plantarum</i> , 2003 , 119, 573-581	4.6	28
96	NADPH-dependent thioredoxin reductase A (NTRA) confers elevated tolerance to oxidative stress and drought. <i>Plant Physiology and Biochemistry</i> , 2014 , 80, 184-91	5.4	27
95	The role of Arabidopsis MYB2 in miR399f-mediated phosphate-starvation response. <i>Plant Signaling and Behavior</i> , 2013 , 8, e23488	2.5	27
94	Role of HKT1 in Thellungiella salsuginea, a model extremophile plant. <i>Plant Signaling and Behavior</i> , 2013 , 8,	2.5	27
93	Roles of YUCCAs in auxin biosynthesis and drought stress responses in plants. <i>Plant Signaling and Behavior</i> , 2013 , 8, e24495	2.5	26
92	Activation tagging of an Arabidopsis SHI-RELATED SEQUENCE gene produces abnormal anther dehiscence and floral development. <i>Plant Molecular Biology</i> , 2010 , 74, 337-51	4.6	26
91	The Arabidopsis a zinc finger domain protein ARS1 is essential for seed germination and ROS homeostasis in response to ABA and oxidative stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 963	6.2	25
90	The High-Affinity Potassium Transporter EphKT1;2 From the Extremophile Mediates Salt Tolerance. <i>Frontiers in Plant Science</i> , 2018 , 9, 1108	6.2	25
89	Arabidopsis thaliana PRP40s are RNA polymerase II C-terminal domain-associating proteins. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 484, 30-8	4.1	24
88	NDP kinase 2 regulates expression of antioxidant genes in Arabidopsis.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2003 , 79B, 86-91	4	24
87	AtPR5K2, a PR5-Like Receptor Kinase, Modulates Plant Responses to Drought Stress by Phosphorylating Protein Phosphatase 2Cs. <i>Frontiers in Plant Science</i> , 2019 , 10, 1146	6.2	23

86	Biotechnology for mechanisms that counteract salt stress in extremophile species: a genome-based view. <i>Plant Biotechnology Reports</i> , 2013 , 7, 27-37	2.5	22
85	PWR/HDA9/ABI4 Complex Epigenetically Regulates ABA Dependent Drought Stress Tolerance in. <i>Frontiers in Plant Science</i> , 2020 , 11, 623	6.2	21
84	Transgenic Tobacco Plants with Two Consecutive Oxidation Reactions Catalyzed by Hyoscyamine 6̢-Hydroxylase. <i>Bioscience, Biotechnology and Biochemistry</i> , 1993 , 57, 502-503	2.1	21
83	STCH4/REIL2 Confers Cold Stress Tolerance in Arabidopsis by Promoting rRNA Processing and CBF Protein Translation. <i>Cell Reports</i> , 2020 , 30, 229-242.e5	10.6	21
82	Tomato PEPR1 ORTHOLOG RECEPTOR-LIKE KINASE1 Regulates Responses to Systemin, Necrotrophic Fungi, and Insect Herbivory. <i>Plant Cell</i> , 2018 , 30, 2214-2229	11.6	20
81	Functional analysis of the stress-inducible soybean calmodulin isoform-4 (GmCaM-4) promoter in transgenic tobacco plants. <i>Molecules and Cells</i> , 2009 , 27, 475-80	3.5	20
80	Over-expression of Chinese cabbage calreticulin 1, BrCRT1, enhances shoot and root regeneration, but retards plant growth in transgenic tobacco. <i>Transgenic Research</i> , 2005 , 14, 619-26	3.3	19
79	The Arabidopsis thaliana homeobox gene ATHB12 is involved in symptom development caused by geminivirus infection. <i>PLoS ONE</i> , 2011 , 6, e20054	3.7	18
78	Humic Acid Confers HIGH-AFFINITY K ⁺ TRANSPORTER 1-Mediated Salinity Stress Tolerance in Arabidopsis. <i>Molecules and Cells</i> , 2017 , 40, 966-975	3.5	18
77	Enhanced multiple stress tolerance in Arabidopsis by overexpression of the polar moss peptidyl prolyl isomerase FKBP12 gene. <i>Plant Cell Reports</i> , 2018 , 37, 453-465	5.1	17
76	Changes in oxygen and carbon dioxide environment alter gene expression of cowpea bruchids. <i>Journal of Insect Physiology</i> , 2011 , 57, 220-30	2.4	17
75	Ubiquitin and Ubiquitin-like Modifiers in Plants 2011 , 54, 275-285		17
74	Post-translational and transcriptional regulation of phenylpropanoid biosynthesis pathway by Kelch repeat F-box protein SAGL1. <i>Plant Molecular Biology</i> , 2019 , 99, 135-148	4.6	17
73	A positive transcription factor in osmotic stress tolerance, ZAT10, is regulated by MAP kinases in Arabidopsis 2016 , 59, 55-61		16
72	Identification of Chinese cabbage genes up-regulated by prolonged cold by using microarray analysis. <i>Plant Science</i> , 2005 , 168, 959-966	5.3	16
71	Identification and characterization of alternative promoters of the rice MAP kinase gene OsBWMK1. <i>Molecules and Cells</i> , 2009 , 27, 467-73	3.5	15
70	Particle bombardment-mediated transformation of barley with an Arabidopsis NDPK2 cDNA. <i>Plant Biotechnology Reports</i> , 2007 , 1, 71-77	2.5	15
69	Metabolic Adjustment of Arabidopsis Root Suspension Cells During Adaptation to Salt Stress and Mitotic Stress Memory. <i>Plant and Cell Physiology</i> , 2019 , 60, 612-625	4.9	15

68	SOS1 and halophytism. <i>Plant Signaling and Behavior</i> , 2009 , 4, 1081-3	2.5	14
67	Ribosomal P3 protein AtP3B of Arabidopsis acts as both protein and RNA chaperone to increase tolerance of heat and cold stresses. <i>Plant, Cell and Environment</i> , 2016 , 39, 1631-42	8.4	14
66	EMR, a cytosolic-abundant ring finger E3 ligase, mediates ER-associated protein degradation in Arabidopsis. <i>New Phytologist</i> , 2018 , 220, 163-177	9.8	14
65	Development of root system architecture of Arabidopsis thaliana in response to colonization by Martelella endophytica YC6887 depends on auxin signaling. <i>Plant and Soil</i> , 2016 , 405, 81-96	4.2	13
64	Rice OsMYB5P improves plant phosphate acquisition by regulation of phosphate transporter. <i>PLoS ONE</i> , 2018 , 13, e0194628	3.7	13
63	Analysis of Arabidopsis thioredoxin-h isoforms identifies discrete domains that confer specific structural and functional properties. <i>Biochemical Journal</i> , 2013 , 456, 13-24	3.8	13
62	HKT sodium and potassium transporters in Arabidopsis thaliana and related halophyte species. <i>Physiologia Plantarum</i> , 2021 , 171, 546-558	4.6	13
61	The Auxin Signaling Repressor IAA8 Promotes Seed Germination Through Down-Regulation of Transcription in. <i>Frontiers in Plant Science</i> , 2020 , 11, 111	6.2	12
60	Accession-Dependent Gene Deletion by CRISPR/Cas System in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017 , 8, 1910	6.2	12
59	Regulation of Plant Innate Immunity by SUMO E3 Ligase. <i>Plant Signaling and Behavior</i> , 2007 , 2, 253-4	2.5	12
58	Expression of Arabidopsis thaliana Thioredoxin-h2 in Brassica napus enhances antioxidant defenses and improves salt tolerance. <i>Plant Physiology and Biochemistry</i> , 2020 , 147, 313-321	5.4	12
57	The GIGANTEA-ENHANCED EM LEVEL Complex Enhances Drought Tolerance via Regulation of Abscissic Acid Synthesis. <i>Plant Physiology</i> , 2020 , 184, 443-458	6.6	12
56	Redox-dependent structural switch and CBF activation confer freezing tolerance in plants. <i>Nature Plants</i> , 2021 , 7, 914-922	11.5	12
55	The Thiol Reductase Activity of YUCCA6 Mediates Delayed Leaf Senescence by Regulating Genes Involved in Auxin Redistribution. <i>Frontiers in Plant Science</i> , 2016 , 7, 626	6.2	12
54	Plant-Growth Promoting YC7007 Modulates Stress-Response Gene Expression and Provides Protection From Salt Stress. <i>Frontiers in Plant Science</i> , 2019 , 10, 1646	6.2	11
53	N-glycosylation at non-canonical Asn-X-Cys sequence of an insect recombinant cathepsin B-like counter-defense protein. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010 , 156, 40-7	2.3	11
52	The Histone-Modifying Complex PWR/HOS15/HD2C Epigenetically Regulates Cold Tolerance. <i>Plant Physiology</i> , 2020 , 184, 1097-1111	6.6	11
51	It's Hard to Avoid Avoidance: Uncoupling the Evolutionary Connection between Plant Growth, Productivity and Stress "Tolerance". <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11

50	Identification and Molecular Characterization of HOS15-interacting Proteins in <i>Arabidopsis thaliana</i> 2018 , 61, 336-345		11
49	A <i>Saccharomyces cerevisiae</i> assay system to investigate ligand/AdipoR1 interactions that lead to cellular signaling. <i>PLoS ONE</i> , 2013 , 8, e65454	3.7	10
48	Diurnal and circadian regulation of salt tolerance in <i>Arabidopsis</i> 2016 , 59, 569-578		10
47	The transcriptional repressor activity of ASYMMETRIC LEAVES1 is inhibited by direct interaction with calmodulin in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2012 , 35, 1969-82	8.4	9
46	Molecular and functional properties of three different peroxiredoxin isotypes in Chinese cabbage. <i>Molecules and Cells</i> , 2012 , 33, 27-33	3.5	9
45	Isolation and characterization of a novel calcium/calmodulin-dependent protein kinase, AtCK, from <i>Arabidopsis</i> . <i>Molecules and Cells</i> , 2007 , 24, 276-82	3.5	9
44	Overexpression of AtYUCCA6 in soybean crop results in reduced ROS production and increased drought tolerance. <i>Plant Biotechnology Reports</i> , 2019 , 13, 161-168	2.5	8
43	Stress-driven structural and functional switching of Ypt1p from a GTPase to a molecular chaperone mediates thermo tolerance in <i>Saccharomyces cerevisiae</i> . <i>FASEB Journal</i> , 2015 , 29, 4424-34	0.9	8
42	Structural and functional studies of SIZ1, a PIAS-type SUMO E3 ligase from <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2010 , 5, 567-9	2.5	8
41	NKS1, Na(+)- and K(+)-sensitive 1, regulates ion homeostasis in an SOS-independent pathway in <i>Arabidopsis</i> . <i>Phytochemistry</i> , 2011 , 72, 330-6	4	8
40	Differential selection of sodium and potassium ions by TsHKT1;2. <i>Plant Signaling and Behavior</i> , 2016 , 11, e1206169	2.5	7
39	<i>Arabidopsis</i> NHX Transporters: Sodium and Potassium Antiport Mythology and Sequestration During Ionic Stress 2018 , 61, 292-300		7
38	Specificity of DNA sequences recognized by the zinc-finger homeodomain protein, GmZF-HD1 in soybean. <i>Phytochemistry</i> , 2010 , 71, 1832-8	4	6
37	<i>Arabidopsis</i> HOS15 is a multifunctional protein that negatively regulate ABA-signaling and drought stress. <i>Plant Biotechnology Reports</i> , 2020 , 14, 163-167	2.5	5
36	Identification of SUMO-modified proteins by affinity purification and tandem mass spectrometry in <i>Arabidopsis thaliana</i> 2013 , 56, 176-185		5
35	Stability of AtVSP in the insect digestive canal determines its defensive capability. <i>Journal of Insect Physiology</i> , 2011 , 57, 391-9	2.4	5
34	An Experimental Study on the Fabrication of Glass-based Acceleration Sensor Body Using Micro Powder Blasting Method. <i>Sensors</i> , 2007 , 7, 697-707	3.8	5
33	HOS15 is a transcriptional corepressor of NPR1-mediated gene activation of plant immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30805-30815	11.5	5

32	Microtubule Dynamics Plays a Vital Role in Plant Adaptation and Tolerance to Salt Stress. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
31	HOS15: A missing link that fine-tunes ABA signaling and drought tolerance in. <i>Plant Signaling and Behavior</i> , 2020 , 15, 1770964	2.5	4
30	Pathogen associated molecular pattern (PAMP)-triggered immunity is compromised under C-limited growth. <i>Molecules and Cells</i> , 2015 , 38, 40-50	3.5	4
29	Expression of the tobacco mosaic virus movement protein alters starch accumulation in <i>Nicotiana benthamiana</i> 2002 , 45, 77-82		4
28	Characterization of dwarf and narrow leaf () mutant in rice. <i>Plant Signaling and Behavior</i> , 2021 , 16, 1849499	4.9	4
27	Plant Antifungal Proteins	39-88	4
26	Osmotin Is a Homolog of Mammalian Adiponectin and Controls Apoptosis in Yeast through a Homolog of Mammalian Adiponectin Receptor. <i>Molecular Cell</i> , 2005 , 17, 611	17.6	3
25	AtCBP63, a Arabidopsis Calmodulin-binding Protein 63, Enhances Disease Resistance Against Soft Rot Disease in Potato. <i>Journal of Plant Biotechnology</i> , 2011 , 38, 62-68	0.6	3
24	HOS15-PWR chromatin remodeling complex positively regulates cold stress in. <i>Plant Signaling and Behavior</i> , 2021 , 16, 1893978	2.5	3
23	Redox sensor QSOX1 regulates plant immunity by targeting GSNOR to modulate ROS generation. <i>Molecular Plant</i> , 2021 , 14, 1312-1327	14.4	3
22	ASYMMETRIC LEAVES1 is phosphorylated by MPK3/6 in Arabidopsis thaliana 2013 , 56, 208-215		2
21	SUMO proteins grapple with biotic and abiotic stresses in Arabidopsis 2013 , 56, 77-84		2
20	Monoclonal antibodies against recombinant AtHOS15. <i>Hybridoma</i> , 2012 , 31, 118-24		2
19	Biological function of nonexpressor of pathogenesis-related genes 1 (NPR1) in response to biotic and abiotic stresses. <i>Journal of Plant Biotechnology</i> , 2016 , 43, 281-292	0.6	2
18	Screening of salt-tolerance plants using transgenic Arabidopsis that express a salt stress cDNA library. <i>Journal of Plant Biotechnology</i> , 2014 , 41, 81-88	0.6	2
17	Chromatin remodeling complex HDA9-PWR-ABI4 epigenetically regulates drought stress response in plants. <i>Plant Signaling and Behavior</i> , 2020 , 15, 1803568	2.5	2
16	CCoAOMT1 Plays a Role in Drought Stress Response via ROS- and ABA-Dependent Manners. <i>Plants</i> , 2021 , 10,	4.5	2
15	The scope of things to come: New paradigms in biotechnology 2012 , 19-34		1

14	Functional characterization of Arabidopsis thaliana BLH 8, BEL1-Like Homeodomain 8 involved in environmental stresses. <i>Journal of Plant Biotechnology</i> , 2011 , 38, 162-168	0.6	1
13	A Calcium/Palmitoylation Switch Interfaces the Signaling Networks of Stress Response and Transition to Flowering		1
12	SET DOMAIN GROUP 721 protein functions in saline-alkaline stress tolerance in the model rice variety Kitaake. <i>Plant Biotechnology Journal</i> , 2021 , 19, 2576-2588	11.6	1
11	Redox-mediated structural and functional switching of C-repeat binding factors enhances plant cold tolerance. <i>New Phytologist</i> , 2021 ,	9.8	1
10	Transgenic poplar expressing AtNDPK2 exhibits enhanced biomass in the LMO field. <i>Journal of Plant Biotechnology</i> , 2011 , 38, 228-233	0.6	0
9	Proteasome-Dependent Degradation of RPM1 Desensitizes the RPM1-Mediated Hypersensitive Response 2021 , 64, 217-225		0
8	Calmodulin 2 Functions as an RNA Chaperone in Prokaryotic Cells. <i>Biotechnology and Bioprocess Engineering</i> , 2018 , 23, 448-455	3.1	0
7	AtLRop2, an leucine-rich repeat-only protein, mediates cold stress response in Arabidopsis thaliana. <i>Plant Biotechnology Reports</i> , 2021 , 15, 641-649	2.5	0
6	The Transcriptional Corepressor HOS15 Mediates Dark-Induced Leaf Senescence in Arabidopsis.. <i>Frontiers in Plant Science</i> , 2022 , 13, 828264	6.2	0
5	Genomics of plant abiotic stress tolerance 2014 , 231-255		
4	CaM-5, a soybean calmodulin, is required for disease resistance against both a bacterial and fungal pathogen in tomato, <i>Lycopersicon esculentum</i> . <i>Journal of Plant Biotechnology</i> , 2006 , 33, 93-97	0.6	
3	Characterization of SID2 that is required for the production of salicylic acid by using EGLUCURONIDASE and LUCIFERASE reporter system in Arabidopsis. <i>Journal of Plant Biotechnology</i> , 2008 , 35, 169-176	0.6	
2	Characterization of small ubiquitin-like modifier E3 ligase, OsSIZ1, mutant in rice. <i>Journal of Plant Biotechnology</i> , 2012 , 39, 235-241	0.6	
1	ABAtting the Response: A Novel ABA Signal Terminator that Disrupts the Hormone Co-receptor Complex. <i>Molecular Plant</i> , 2020 , 13, 1241-1243	14.4	