

SALT AND DROUGHT STRESS SIGNAL TRANSDUCTION

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Salinity- and ABA-induced up-regulation and light-mediated modulation of mRNA encoding glycine-rich RNA-binding protein from <i>Sorghum bicolor</i> . <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 1063-1068.	1.0	69
2	Elucidating Pathways Controlling Induced Resistance. , 0, , 99-109.		5
3	Tomato <i>tos1</i> mutation identifies a gene essential for osmotic tolerance and abscisic acid sensitivity. <i>Plant Journal</i> , 2002, 32, 905-914.	2.8	33
4	Molecular genetic perspectives on cross-talk and specificity in abiotic stress signalling in plants. <i>Journal of Experimental Botany</i> , 2003, 55, 225-236.	2.4	933
5	Temporal progression of gene expression responses to salt shock in maize roots. <i>Plant Molecular Biology</i> , 2003, 52, 873-891.	2.0	102
6	The plant dehydrins: structure and putative functions. <i>Biochemistry (Moscow)</i> , 2003, 68, 945-951.	0.7	210
7	Functional analysis of <i>AtHKT1</i> in <i>Arabidopsis</i> shows that Na^+ recirculation by the phloem is crucial for salt tolerance. <i>EMBO Journal</i> , 2003, 22, 2004-2014.	3.5	512
8	NADPH oxidase <i>AtrbohD</i> and <i>AtrbohF</i> genes function in ROS-dependent ABA signaling in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2003, 22, 2623-2633.	3.5	1,474
9	Regulated expression of <i>Arabidopsis</i> shaker K^+ channel genes involved in K^+ uptake and distribution in the plant. <i>Plant Molecular Biology</i> , 2003, 51, 773-787.	2.0	221
10	Developing salt tolerant plants in a new century: a molecular biology approach. <i>Plant Cell, Tissue and Organ Culture</i> , 2003, 73, 101-115.	1.2	122
11	A comparative study on the protective role of trehalose and LEA proteins against abiotic stresses in transgenic Chinese cabbage (<i>Brassica campestris</i>) overexpressing <i>CaLEA</i> or <i>rotsA</i> . <i>Journal of Plant Biology</i> , 2003, 46, 277-286.	0.9	25
12	Cloning and functional annotation of rare mRNA species from drought-stressed hot pepper (<i>Capsicum</i>) Tj ETQq1 1 0,784314rgBT /Over	0,9	4
13	Brassinosteroid-Mediated Stress Responses. <i>Journal of Plant Growth Regulation</i> , 2003, 22, 289-297.	2.8	507
14	Plant responses to drought, salinity and extreme temperatures: towards genetic engineering for stress tolerance. <i>Planta</i> , 2003, 218, 1-14.	1.6	2,937
15	Gene expression profiling of plant responses to abiotic stress. <i>Functional and Integrative Genomics</i> , 2003, 3, 105-111.	1.4	84
16	Impacts of altered RNA metabolism on abscisic acid signaling. <i>Current Opinion in Plant Biology</i> , 2003, 6, 463-469.	3.5	83
17	Relay and control of abscisic acid signaling. <i>Current Opinion in Plant Biology</i> , 2003, 6, 470-479.	3.5	401
18	Regulatory network of gene expression in the drought and cold stress responses. <i>Current Opinion in Plant Biology</i> , 2003, 6, 410-417.	3.5	1,616

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19	An assessment of the physiological properties of the so-called compatible solutes using in vitro experiments with leaf discs. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 657-666.	2.8	32
20	Molecular responses to drought, salinity and frost: common and different paths for plant protection. <i>Current Opinion in Biotechnology</i> , 2003, 14, 194-199.	3.3	417
21	The translation initiation factor eIF1A is an important determinant in the tolerance to NaCl stress in yeast and plants. <i>Plant Journal</i> , 2003, 34, 257-267.	2.8	111
22	Identification of putative plant cold responsive regulatory elements by gene expression profiling and a pattern enumeration algorithm. <i>Plant Biotechnology Journal</i> , 2003, 1, 345-352.	4.1	13
23	Crystallization and preliminary X-ray characterization of a novel calcium-binding protein AtCBL2 from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1079-1080.	2.5	4
24	Monitoring Expression Profiles of Rice Genes under Cold, Drought, and High-Salinity Stresses and Abscisic Acid Application Using cDNA Microarray and RNA Gel-Blot Analyses. <i>Plant Physiology</i> , 2003, 133, 1755-1767.	2.3	906
25	Anhydrobiosis without trehalose in bdelloid rotifers. <i>FEBS Letters</i> , 2003, 553, 387-390.	1.3	143
26	Regulation of the ABA-sensitive <i>Arabidopsis</i> potassium channel gene <i>GORK</i> in response to water stress. <i>FEBS Letters</i> , 2003, 554, 119-126.	1.3	134
27	Loblolly pine (<i>Pinus taeda</i> L.) somatic embryogenesis: maturation improvements by metal analyses of zygotic and somatic embryos. <i>Plant Science</i> , 2003, 164, 955-969.	1.7	37
28	Isolation of cDNAs differentially expressed in response to drought stress and characterization of the <i>Ca-LEAL1</i> gene encoding a new family of atypical LEA-like protein homologue in hot pepper (<i>Capsicum</i>) Tj ETQq1 1 07843143gBT / Over		
29	Bundle sheath chloroplasts of rice are more sensitive to drought stress than mesophyll chloroplasts. <i>Journal of Plant Physiology</i> , 2003, 160, 1319-1327.	1.6	36
30	Na ⁺ Tolerance and Na ⁺ Transport in Higher Plants. <i>Annals of Botany</i> , 2003, 91, 503-527.	1.4	2,514
31	The Crystal Structure of the Novel Calcium-binding Protein AtCBL2 from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 42240-42246.	1.6	113
32	Comparative Transcriptional Profiling of Placenta and Endosperm in Developing Maize Kernels in Response to Water Deficit. <i>Plant Physiology</i> , 2003, 131, 568-582.	2.3	158
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34	The STT3a Subunit Isoform of the <i>Arabidopsis</i> Oligosaccharyltransferase Controls Adaptive Responses to Salt/Osmotic Stress. <i>Plant Cell</i> , 2003, 15, 2273-2284.	3.1	202
35	RIKEN <i>Arabidopsis</i> full-length (RAFL) cDNA and its applications for expression profiling under abiotic stress conditions. <i>Journal of Experimental Botany</i> , 2003, 55, 213-223.	2.4	94
36	Adaptive Evolution of the Water Stress-Induced Gene <i>Asr2</i> in <i>Lycopersicon</i> Species Dwelling in Arid Habitats. <i>Molecular Biology and Evolution</i> , 2003, 20, 1955-1962.	3.5	44

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38	Plant salt tolerance. Topics in Current Genetics, 0, , 241-270.	0.7	68
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42	A novel domain in the protein kinase SOS2 mediates interaction with the protein phosphatase 2C ABI2. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11771-11776.	3.3	368
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49	Induction of Salt and Osmotic Stress Tolerance by Overexpression of an Intracellular Vesicle Trafficking Protein AtRab7 (AtRabG3e). Plant Physiology, 2004, 134, 118-128.	2.3	264
50	Regulation of K ⁺ Transport in Tomato Roots by the TSS1 Locus. Implications in Salt Tolerance. Plant Physiology, 2004, 134, 452-459.	2.3	12
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70	Proteome-level changes in the roots of <i>Pisum sativum</i> in response to salinity. <i>Annals of Applied Biology</i> , 2004, 145, 217-230.	1.3	99
71	Modulation by cytosolic components of proton pump activities in plasma membrane and tonoplast from <i>Cucumis sativus</i> roots during salt stress. <i>Physiologia Plantarum</i> , 2004, 121, 84-92.	2.6	46
72	Sensor types in signal transduction pathways in plant cells responding to abiotic stressors: do they depend on stress intensity?. <i>Physiologia Plantarum</i> , 2004, 122, 159-168.	2.6	133
73	Response of human cells to desiccation: comparison with hyperosmotic stress response. <i>Journal of Physiology</i> , 2004, 558, 181-191.	1.3	61
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76	Different responses of two contrasting <i>Populus davidiana</i> populations to exogenous abscisic acid application. <i>Environmental and Experimental Botany</i> , 2004, 51, 237-246.	2.0	67
77	Polyamine, Carbohydrate, and Proline Content Changes During Salt Stress Exposure of Aspen (<i>Populus</i>) Tj ETQq1 1,0,784314,rgBT /O	1.8	86
78	Plastid-Expressed Betaine Aldehyde Dehydrogenase Gene in Carrot Cultured Cells, Roots, and Leaves Confers Enhanced Salt Tolerance. <i>Plant Physiology</i> , 2004, 136, 2843-2854.	2.3	356
79	Protein tyrosine phosphatases involved in signaling of the ABA-induced H ₂ O ₂ generation in guard cells of <i>Vicia faba</i> L.. <i>Science Bulletin</i> , 2004, 49, 1841-1846.	1.7	1
80	The ethylene-responsive factor like protein 1 (CaERFLP1) of hot pepper (<i>Capsicum annuum</i> L.) interacts in vitro with both GCC and DRE/CRT sequences with different binding affinities: Possible biological roles of CaERFLP1 in response to pathogen infection and high salinity conditions in transgenic tobacco plants. <i>Plant Molecular Biology</i> , 2004, 55, 61-81.	2.0	133
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83	Expression of a salt-induced protein (SALT) in suspension-cultured cells and leaves of rice following exposure to fungal elicitor and phytohormones. <i>Plant Cell Reports</i> , 2004, 23, 256-262.	2.8	25
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88	Isolation and Functional Analysis of <i>Arabidopsis</i> Stress-Inducible NAC Transcription Factors That Bind to a Drought-Responsive cis-Element in the early responsive to dehydration stress 1 Promoter[W]. <i>Plant Cell</i> , 2004, 16, 2481-2498.	3.1	1,329
89	From Laboratory to Field. Using Information from <i>Arabidopsis</i> to Engineer Salt, Cold, and Drought Tolerance in Crops. <i>Plant Physiology</i> , 2004, 135, 615-621.	2.3	432
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91	Salinity Tolerance in Brassica Oilseeds. <i>Critical Reviews in Plant Sciences</i> , 2004, 23, 157-174.	2.7	249
92	<i>Arabidopsis</i> Cys2/His2-Type Zinc-Finger Proteins Function as Transcription Repressors under Drought, Cold, and High-Salinity Stress Conditions. <i>Plant Physiology</i> , 2004, 136, 2734-2746.	2.3	526
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95	Transgenic Evaluation of Activated Mutant Alleles of SOS2 Reveals a Critical Requirement for Its Kinase Activity and C-Terminal Regulatory Domain for Salt Tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2004, 16, 435-449.	3.1	163
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97	Novel and Stress-Regulated MicroRNAs and Other Small RNAs from <i>Arabidopsis</i> [W]. <i>Plant Cell</i> , 2004, 16, 2001-2019.	3.1	1,787
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100	Expressed sequence tags from <i>Thellungiella halophila</i> , a new model to study plant salt-tolerance. <i>Plant Science</i> , 2004, 166, 609-616.	1.7	108
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107	Effect of drought and rewatering on the metabolism of <i>Lupinus albus</i> organs. <i>Journal of Plant Physiology</i> , 2004, 161, 1203-1210.	1.6	96
108	The V-PLC3 gene encodes a putative plasma membrane-localized phosphoinositide-specific phospholipase C whose expression is induced by abiotic stress in mung bean (<i>Vigna radiata</i> L.). <i>FEBS Letters</i> , 2004, 556, 127-136.	1.3	75
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110	Accumulation of dehydrin transcripts and proteins in response to abiotic stresses in <i>Deschampsia antarctica</i> . <i>Antarctic Science</i> , 2004, 16, 175-184.	0.5	15
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113	A relationship between tolerance to dehydration of rice cell lines and ability for ABA synthesis under stress. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 786-792.	2.8	26
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117	Investigation on dynamic changes of photosynthetic characteristics of 10 wheat (<i>Triticum aestivum</i> L.) genotypes during two vegetative-growth stages at water deficits. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 43, 221-227.	2.5	62
118	Changes of anti-oxidative enzymes and MDA content under soil water deficits among 10 wheat (<i>Triticum aestivum</i> L.) genotypes at maturation stage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 45, 7-13.	2.5	137
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120	Genes and salt tolerance: bringing them together. <i>New Phytologist</i> , 2005, 167, 645-663.	3.5	2,304
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129	Disruption of the cellulose synthase gene, <i>AtCesA8/IRX1</i> , enhances drought and osmotic stress tolerance in Arabidopsis. <i>Plant Journal</i> , 2005, 43, 273-283.	2.8	223

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130	Molecular tailoring of farnesylation for plant drought tolerance and yield protection. <i>Plant Journal</i> , 2005, 43, 413-424.	2.8	241
131	Salinity stress adaptation competence in the extremophile <i>Thellungiella halophila</i> in comparison with its relative <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2005, 44, 826-839.	2.8	493
132	Identification and characterization of new plant microRNAs using EST analysis. <i>Cell Research</i> , 2005, 15, 336-360.	5.7	407
133	Salt-responsive genes in rice revealed by cDNA microarray analysis. <i>Cell Research</i> , 2005, 15, 796-810.	5.7	113
134	<i>Brassica napus</i> L. Homeodomain Leucine-Zipper Gene BnHB6 Responds to Abiotic and Biotic Stresses. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1236-1248.	4.1	9
135	Possible Involvement of Anti-Oxidant Enzymes in the Cross-Tolerance of the Germination/Growth of Wheat Seeds to Salinity and Heat Stress. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1211-1219.	4.1	30
136	Production of Polyamines Is Enhanced by Endogenous Abscisic Acid in Maize Seedlings Subjected to Salt Stress. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1326-1334.	4.1	40
137	Root to shoot communication and abscisic acid in calreticulin () gene expression and salt-stress tolerance in grafted diploid potato clones. <i>Environmental and Experimental Botany</i> , 2005, 53, 323-332.	2.0	38
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139	Engineering drought and salinity tolerance in plants: lessons from genome-wide expression profiling in <i>Arabidopsis</i> . <i>Trends in Biotechnology</i> , 2005, 23, 547-552.	4.9	122
140	Eco-physiological Adaptations to Limited Water Environments. , 0, , 1-13.		15
142	Integration of Abiotic Stress Signaling Pathways. , 0, , 215-247.		3
143	Genomic Analysis of Stress Response. , 0, , 248-265.		2
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752	Patenting Drought Tolerance in Organisms. <i>Recent Patents on DNA & Gene Sequences</i> , 2009, 3, 16-25.	0.7	13
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781	The effect of calcium on the antioxidant systems in the halophyte <i>Cakile maritima</i> under salt stress. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 453-461.	1.0	46
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1165	The regulation of the SARK promoter activity by hormones and environmental signals. <i>Plant Science</i> , 2012, 193-194, 39-47.	1.7	19
1166	Function of Nitric Oxide Under Environmental Stress Conditions. , 2012, , 99-113.		19
1167	Stress Hormone Levels Associated with Drought Tolerance vs. Sensitivity in Sunflower (<i>Helianthus</i>) Tj ETQq1 1 0.784314 rgBT ₁ /Overlo		
1168	MicroRNAs and their diverse functions in plants. <i>Plant Molecular Biology</i> , 2012, 80, 17-36.	2.0	272
1169	<i>Arabidopsis</i> GROWTH-REGULATING FACTOR7 Functions as a Transcriptional Repressor of Abscisic Acid and Osmotic Stress Responsive Genes, Including <i>DREB2A</i> . <i>Plant Cell</i> , 2012, 24, 3393-3405.	3.1	184
1170	Studying Plant Salt Tolerance with the Voltage Clamp Technique. , 2012, 913, 19-33.		0
1171	Abscisic acid mediates the formation of a suberized stem scar tissue in tomato fruits. <i>New Phytologist</i> , 2012, 194, 402-415.	3.5	50
1172	Â-Aminobutyric acid increases abscisic acid accumulation and desiccation tolerance and decreases water use but fails to improve grain yield in two spring wheat cultivars under soil drying. <i>Journal of Experimental Botany</i> , 2012, 63, 4849-4860.	2.4	67
1173	ABA signal transduction from ABA receptors to ion channels. <i>Genes and Genomics</i> , 2012, 34, 345-353.	0.5	12
1174	Expression analysis of Î ² -glucosidase genes that regulate abscisic acid homeostasis during watermelon (<i>Citrullus lanatus</i>) development and under stress conditions. <i>Journal of Plant Physiology</i> , 2012, 169, 78-85.	1.6	44
1175	Abscisic acid root and leaf concentration in relation to biomass partitioning in salinized tomato plants. <i>Journal of Plant Physiology</i> , 2012, 169, 226-233.	1.6	74
1176	Comparative proteomic analysis of salt response proteins in seedling roots of two wheat varieties. <i>Journal of Proteomics</i> , 2012, 75, 1867-1885.	1.2	109
1177	Comprehensive proteome analysis in <i>Cenococcum geophilum</i> Fr. as a tool to discover drought-related proteins. <i>Journal of Proteomics</i> , 2012, 75, 3707-3719.	1.2	12
1178	Role of miRNAs and siRNAs in biotic and abiotic stress responses of plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 137-148.	0.9	889
1179	AtPP2CG1, a protein phosphatase 2C, positively regulates salt tolerance of <i>Arabidopsis</i> in abscisic acid-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 710-715.	1.0	83
1180	ZmRFP1, the putative ortholog of SDIR1, encodes a RING-H2 E3 ubiquitin ligase and responds to drought stress in an ABA-dependent manner in maize. <i>Gene</i> , 2012, 495, 146-153.	1.0	49
1181	Conservation of IRE1-Regulated bZIP74 mRNA Unconventional Splicing in Rice (<i>Oryza sativa</i> L.) Involved in ER Stress Responses. <i>Molecular Plant</i> , 2012, 5, 504-514.	3.9	106

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1182	Mechanisms of Plant Salt Response: Insights from Proteomics. <i>Journal of Proteome Research</i> , 2012, 11, 49-67.	1.8	340
1183	Transcriptional profiling by cDNA-AFLP analysis showed differential transcript abundance in response to water stress in <i>Populus hopeiensis</i> . <i>BMC Genomics</i> , 2012, 13, 286.	1.2	29
1184	The <i>SbSOS1</i> gene from the extreme halophyte <i>Salicornia brachiata</i> enhances Na ⁺ -loading in xylem and confers salt tolerance in transgenic tobacco. <i>BMC Plant Biology</i> , 2012, 12, 188.	1.6	147
1185	Salinity tolerance mechanisms in glycophytes: An overview with the central focus on rice plants. <i>Rice</i> , 2012, 5, 11.	1.7	279
1186	Plant Cell Organelle Proteomics in Response to Abiotic Stress. <i>Journal of Proteome Research</i> , 2012, 11, 37-48.	1.8	160
1187	Expression of antioxidant oxidoreductases and protein profile of seedling tissues of winter and spring forms of cereals under extreme temperature fluctuations. <i>Cytology and Genetics</i> , 2012, 46, 161-171.	0.2	3
1190	Abiotic Stress Tolerant Crops: Genes, Pathways and Bottlenecks. , 2012, , 1-17.		0
1191	Transgenic plants for abiotic stress tolerance: current status. <i>Archives of Agronomy and Soil Science</i> , 2012, 58, 693-721.	1.3	31
1193	Ethylene and Abiotic Stress Tolerance in Plants. , 2012, , 395-412.		61
1194	Genome-Wide Transcriptional Reprogramming Under Drought Stress. , 2012, , 273-289.		3
1195	Overview of Plant Stresses: Mechanisms, Adaptations and Research Pursuit. , 2012, , 1-18.		11
1196	Overexpression of SOS Genes Enhanced Salt Tolerance in Sweetpotato. <i>Journal of Integrative Agriculture</i> , 2012, 11, 378-386.	1.7	23
1197	Isolation and Functional Analysis of the bZIP Transcription Factor Gene <i>TaABP1</i> from a Chinese Wheat Landrace. <i>Journal of Integrative Agriculture</i> , 2012, 11, 1580-1591.	1.7	23
1198	Over-expression of a novel JAZ family gene from <i>Glycine soja</i> , increases salt and alkali stress tolerance. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 273-279.	1.0	69
1199	Overexpression of <i>gma-MIR394a</i> confers tolerance to drought in transgenic <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 330-335.	1.0	87
1200	Overexpression of soybean <i>GmCBL1</i> enhances abiotic stress tolerance and promotes hypocotyl elongation in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 731-736.	1.0	49
1201	Isolation and characterization of a bread wheat salinity responsive ERF transcription factor. <i>Gene</i> , 2012, 511, 38-45.	1.0	47
1202	ABA says NO to UV-B: a universal response?. <i>Trends in Plant Science</i> , 2012, 17, 510-517.	4.3	85

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1204	Calcium Signalling in Plant Cells Under Environmental Stress. , 2012, , 325-360.		18
1205	Proteomic studies of the abiotic stresses response in model moss "Physcomitrella patens. <i>Frontiers in Plant Science</i> , 2012, 3, 258.	1.7	24
1206	Reduced representation sequencing of plant stress transcriptomes. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 119-127.	0.9	23
1210	Comparative analysis of water stress-responsive transcriptomes in drought-susceptible and -tolerant wheat (<i>Triticum aestivum</i> L.). <i>Journal of Plant Biology</i> , 2012, 55, 349-360.	0.9	44
1211	The SbASR-1 Gene Cloned from an Extreme Halophyte <i>Salicornia brachiata</i> Enhances Salt Tolerance in Transgenic Tobacco. <i>Marine Biotechnology</i> , 2012, 14, 782-792.	1.1	50
1212	Physiological and molecular aspects of salt stress in plants. <i>Cytology and Genetics</i> , 2012, 46, 302-318.	0.2	112
1213	Genome-wide analysis and expression profiling of half-size ABC protein subgroup G in rice in response to abiotic stress and phytohormone treatments. <i>Molecular Genetics and Genomics</i> , 2012, 287, 819-835.	1.0	34
1214	Phytohormones and Abiotic Stress Tolerance in Plants. , 2012, , .		87
1219	Genome-wide identification and expression profiling of dehydrin gene family in <i>Malus domestica</i> . <i>Molecular Biology Reports</i> , 2012, 39, 10759-10768.	1.0	52
1220	Osmotic stress signaling via protein kinases. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3165-3173.	2.4	85
1221	Isolation and Characterization of Maize PMP3 Genes Involved in Salt Stress Tolerance. <i>PLoS ONE</i> , 2012, 7, e31101.	1.1	49
1222	Genome-Wide Identification and Analysis of Grape Aldehyde Dehydrogenase (ALDH) Gene Superfamily. <i>PLoS ONE</i> , 2012, 7, e32153.	1.1	91
1223	GsAPK, an ABA-Activated and Calcium-Independent SnRK2-Type Kinase from <i>G. soja</i> , Mediates the Regulation of Plant Tolerance to Salinity and ABA Stress. <i>PLoS ONE</i> , 2012, 7, e33838.	1.1	51
1224	A Novel Stress-Induced Sugarcane Gene Confers Tolerance to Drought, Salt and Oxidative Stress in Transgenic Tobacco Plants. <i>PLoS ONE</i> , 2012, 7, e44697.	1.1	57
1225	A Gene-Phenotype Network Based on Genetic Variability for Drought Responses Reveals Key Physiological Processes in Controlled and Natural Environments. <i>PLoS ONE</i> , 2012, 7, e45249.	1.1	58
1226	Social Network: JAZ Protein Interactions Expand Our Knowledge of Jasmonate Signaling. <i>Frontiers in Plant Science</i> , 2012, 3, 41.	1.7	120
1227	Osmotic Stress Induces the Expression of <i>VvMAP Kinase</i> Gene in Grapevine (<i>Vitis vinifera</i>) Tj ETQq1 1,0,784314,rgBT/Over	1.2	5

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1228	Mitigation of Salt Stress-Induced Inhibition of <i>Plantago crassifolia</i> Reproductive Development by Supplemental Calcium or Magnesium. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2012, 40, 58.	0.5	37
1229	Sugarcane Responses at Water Deficit Conditions. , 2012, , .		24
1230	Isolation and in silico functional analysis of MtATP6, a 6-kDa subunit of mitochondrial F1F0-ATP synthase, in response to abiotic stress. <i>Genetics and Molecular Research</i> , 2012, 11, 3547-3567.	0.3	18
1231	Regulation of Gene Expression in Response to Abiotic Stress in Plants. , 2012, , .		6
1232	Effects of Irrigation Regimes on Antioxidant Activity and Total Phenolic Content of Thyme (<i>Thymus</i>) Tj ETQq0 0 0 rgBT /Overlqck 10 Tf 5		
1233	Analysis of Natural Variation in Bermudagrass (<i>Cynodon dactylon</i>) Reveals Physiological Responses Underlying Drought Tolerance. <i>PLoS ONE</i> , 2012, 7, e53422.	1.1	92
1234	Expression analysis in response to drought stress in soybean: shedding light on the regulation of metabolic pathway genes. <i>Genetics and Molecular Biology</i> , 2012, 35, 222-232.	0.6	34
1235	Genetic Diversity of Maize Landraces as Sources of Favorable Traits. , 2012, , .		0
1236	Salt Tolerance at Germination of Two Forage Grasses for Reclamation of Salinity Habitats. <i>Modern Applied Science</i> , 2012, 6, .	0.4	3
1237	The upregulation of thiamine (vitamin B1) biosynthesis in <i>Arabidopsis thaliana</i> seedlings under salt and osmotic stress conditions is mediated by abscisic acid at the early stages of this stress response. <i>BMC Plant Biology</i> , 2012, 12, 2.	1.6	174
1238	Non-coding RNAs in the plant response to abiotic stress. <i>Planta</i> , 2012, 236, 943-958.	1.6	44
1239	Molecular mechanisms of desiccation tolerance in resurrection plants. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3175-3186.	2.4	164
1240	Control of <i>Arabidopsis</i> Root Development. <i>Annual Review of Plant Biology</i> , 2012, 63, 563-590.	8.6	558
1241	Signal Transduction of Phytohormones Under Abiotic Stresses. , 2012, , 1-48.		27
1242	Role of microRNAs in Plant Adaptation to Environmental Stresses. <i>Signaling and Communication in Plants</i> , 2012, , 219-232.	0.5	5
1243	Oxidative Stress and Phytoremediation. , 2012, , 425-449.		9
1244	Molecular cloning and characterization of a novel RING zinc-finger protein gene up-regulated under in vitro salt stress in cassava. <i>Molecular Biology Reports</i> , 2012, 39, 6513-6519.	1.0	10
1245	Identification and expression of C2H2 transcription factor genes in <i>Carica papaya</i> under abiotic and biotic stresses. <i>Molecular Biology Reports</i> , 2012, 39, 7105-7115.	1.0	22

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1246	Overexpression of the halophyte <i>Kalidium foliatum</i> H ⁺ -pyrophosphatase gene confers salt and drought tolerance in <i>Arabidopsis thaliana</i> . <i>Molecular Biology Reports</i> , 2012, 39, 7989-7996.	1.0	37
1247	Isolation and characterization of two ABRE-binding proteins: EABF and EABF1 from the oil palm. <i>Molecular Biology Reports</i> , 2012, 39, 8907-8918.	1.0	6
1248	Molecular cloning and functional characterization of a novel apple MdCIPK6L gene reveals its involvement in multiple abiotic stress tolerance in transgenic plants. <i>Plant Molecular Biology</i> , 2012, 79, 123-135.	2.0	89
1249	Effect of salt treatment on the glucosinolate-myrosinase system in <i>Thellungiella salsuginea</i> . <i>Plant and Soil</i> , 2012, 355, 363-374.	1.8	30
1250	Identification of Early Nitrate Stress Response Genes in Spinach Roots by Suppression Subtractive Hybridization. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 633-642.	1.0	17
1251	Selection of Reference Genes for Normalizing Quantitative Real-Time PCR Gene Expression Data with Multiple Variables in <i>Coffea</i> spp.. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 741-759.	1.0	45
1252	Downregulation of OsPK1 Contributes to Oxidative Stress and the Variations in ABA/GA Balance in Rice. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 1006-1013.	1.0	15
1253	Overexpressing a Glycogen Synthase Kinase Gene from Wheat, TaGSK1, Enhances Salt Tolerance in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2012, 30, 807-816.	1.0	17
1254	Spermidine-mediated in vitro phosphorylation of transcriptional regulator OSBZ8 by SNF1-type serine/threonine protein kinase SAPK4 homolog in indica rice. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1321-1336.	1.0	19
1255	Characterization and expression analysis of the maize RING-H2 finger protein gene ZmXERICO responsive to plant hormones and abiotic stresses. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1529-1535.	1.0	8
1256	Heterologous Expression of the Chrysanthemum R2R3-MYB Transcription Factor CmMYB2 Enhances Drought and Salinity Tolerance, Increases Hypersensitivity to ABA and Delays Flowering in <i>Arabidopsis thaliana</i> . <i>Molecular Biotechnology</i> , 2012, 51, 160-173.	1.3	91
1257	Expansins are involved in cell growth mediated by abscisic acid and indole-3-acetic acid under drought stress in wheat. <i>Plant Cell Reports</i> , 2012, 31, 671-685.	2.8	79
1258	Molecular cloning and functional characterization of MdSOS2 reveals its involvement in salt tolerance in apple callus and <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2012, 31, 713-722.	2.8	71
1259	ZmHSP16.9, a cytosolic class I small heat shock protein in maize (<i>Zea mays</i>), confers heat tolerance in transgenic tobacco. <i>Plant Cell Reports</i> , 2012, 31, 1473-1484.	2.8	121
1260	Salt tolerance in soybean WF-7 is partially regulated by ABA and ROS signaling and involves withholding toxic Cl ⁻ ions from aerial tissues. <i>Plant Cell Reports</i> , 2012, 31, 1527-1533.	2.8	23
1261	The ABA signal transduction mechanism in commercial crops: learning from <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2012, 31, 1357-1369.	2.8	40
1262	Improved Salinity Tolerance of <i>Arachis hypogaea</i> (L.) by the Interaction of Halotolerant Plant-Growth-Promoting Rhizobacteria. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 195-206.	2.8	256
1263	ZmMPK17, a novel maize group D MAP kinase gene, is involved in multiple stress responses. <i>Planta</i> , 2012, 235, 661-676.	1.6	131

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1264	Activation of a flavin monooxygenase gene YUCCA7 enhances drought resistance in Arabidopsis. <i>Planta</i> , 2012, 235, 923-938.	1.6	117
1265	The heterologous expression in Arabidopsis of a chrysanthemum Cys2/His2 zinc finger protein gene confers salinity and drought tolerance. <i>Planta</i> , 2012, 235, 979-993.	1.6	48
1266	Non-enzymatic antioxidative defence in drought-stressed mulberry (<i>Morus indica</i> L.) genotypes. <i>Trees - Structure and Function</i> , 2012, 26, 903-918.	0.9	20
1267	Plasmolysis effects and osmotic potential of two phylogenetically distinct alpine strains of <i>Klebsormidium</i> (Streptophyta). <i>Protoplasma</i> , 2012, 249, 789-804.	1.0	56
1268	Arabidopsis histidine kinase 5 regulates salt sensitivity and resistance against bacterial and fungal infection. <i>New Phytologist</i> , 2012, 194, 168-180.	3.5	94
1269	A rice calcium-dependent protein kinase OsCPK12 oppositely modulates salt stress tolerance and blast disease resistance. <i>Plant Journal</i> , 2012, 69, 26-36.	2.8	269
1270	Plastid stromules are induced by stress treatments acting through abscisic acid. <i>Plant Journal</i> , 2012, 69, 387-398.	2.8	80
1271	Genome wide association analyses for drought tolerance related traits in barley (<i>Hordeum vulgare</i>) Tj ETQq1 1 0.784314 rgBT ₉₁ / Overlook	2.3	91
1272	Mechanosensitive Channels Protect Plastids from Hypoosmotic Stress During Normal Plant Growth. <i>Current Biology</i> , 2012, 22, 408-413.	1.8	107
1273	Severe salt stress in <i>Vaccinium myrtillus</i> (L.) in response to Na ⁺ ion toxicity. <i>Environmental and Experimental Botany</i> , 2012, 76, 49-53.	2.0	8
1274	Ecophysiological and transcriptomic responses of oak (<i>Quercus robur</i>) to long-term drought exposure and rewatering. <i>Environmental and Experimental Botany</i> , 2012, 77, 117-126.	2.0	87
1275	Adaptive diversity in <i>Castanea sativa</i> Mill. half-sib progenies in response to drought stress. <i>Environmental and Experimental Botany</i> , 2012, 78, 56-63.	2.0	22
1276	Overexpression of Suaeda salsa stroma ascorbate peroxidase in Arabidopsis chloroplasts enhances salt tolerance of plants. <i>South African Journal of Botany</i> , 2012, 78, 235-245.	1.2	71
1277	Metabolism of terpenes in the response of grape (<i>Vitis vinifera</i> L.) leaf tissues to UV-B radiation. <i>Phytochemistry</i> , 2012, 77, 89-98.	1.4	150
1278	AM fungi root colonization increases the production of essential isoprenoids vs. nonessential isoprenoids especially under drought stress conditions or after jasmonic acid application. <i>Phytochemistry</i> , 2012, 77, 149-161.	1.4	62
1279	Characterization of a wheat (<i>Triticum aestivum</i> L.) expansin gene, TaEXPB23, involved in the abiotic stress response and phytohormone regulation. <i>Plant Physiology and Biochemistry</i> , 2012, 54, 49-58.	2.8	121
1280	Overexpression of <i>SISOS2</i> (<i>SICIPK24</i>) confers salt tolerance to transgenic tomato. <i>Plant, Cell and Environment</i> , 2012, 35, 1467-1482.	2.8	101
1281	HbCIPK2, a novel CBL-interacting protein kinase from halophyte <i>Hordeum brevisubulatum</i> , confers salt and osmotic stress tolerance. <i>Plant, Cell and Environment</i> , 2012, 35, 1582-1600.	2.8	73

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1283	Abiotic stress-inducible receptor-like kinases negatively control ABA signaling in Arabidopsis. <i>Plant Journal</i> , 2012, 70, 599-613.	2.8	168
1284	PEG and ABA trigger methyl jasmonate accumulation to induce the MEP pathway and increase tanshinone production in <i>Salvia miltiorrhiza</i> hairy roots. <i>Physiologia Plantarum</i> , 2012, 146, 173-183.	2.6	92
1285	Manipulation of monoubiquitin improves salt tolerance in transgenic tobacco. <i>Plant Biology</i> , 2012, 14, 315-324.	1.8	15
1286	Methylglyoxal inhibits seed germination and root elongation and up-regulates transcription of stress-responsive genes in ABA-dependent pathway in <i>Arabidopsis</i> . <i>Plant Biology</i> , 2012, 14, 854-858.	1.8	60
1287	Drought Impacts Mineral Contents in Andean Potato Cultivars. <i>Journal of Agronomy and Crop Science</i> , 2012, 198, 196-206.	1.7	28
1288	Validation of an allele-specific marker associated with dehydration stress tolerance in a core set of foxtail millet accessions. <i>Plant Breeding</i> , 2013, 132, 496-499.	1.0	17
1289	The evolution of salinity tolerance in <i>Daphnia</i> : a functional genomics approach. <i>Ecology Letters</i> , 2012, 15, 794-802.	3.0	88
1290	Suppressive subtractive hybridization method analysis and its application to salt stress in grapevine (<i>Vitis vinifera</i> L.). <i>Russian Journal of Genetics</i> , 2012, 48, 179-185.	0.2	3
1291	Legumes in the reclamation of marginal soils, from cultivar and inoculant selection to transgenic approaches. <i>Agronomy for Sustainable Development</i> , 2012, 32, 65-91.	2.2	83
1292	Salicylic acid pretreatment induces drought tolerance and delays leaf rolling by inducing antioxidant systems in maize genotypes. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 97-106.	1.0	181
1293	Characterization of potential ABA receptors in <i>Vitis vinifera</i> . <i>Plant Cell Reports</i> , 2012, 31, 311-321.	2.8	93
1294	The wheat gene TaST can increase the salt tolerance of transgenic Arabidopsis. <i>Plant Cell Reports</i> , 2012, 31, 339-347.	2.8	15
1295	Contribution of inorganic cations and organic compounds to osmotic adjustment in root cultures of two <i>Centaurium</i> species differing in tolerance to salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 108, 389-400.	1.2	17
1296	A transcriptomic analysis reveals the nature of salinity tolerance of a wheat introgression line. <i>Plant Molecular Biology</i> , 2012, 78, 159-169.	2.0	58
1297	Involvement of abscisic acid and hydrogen peroxide in regulating the activities of antioxidant enzymes in leaves of rice seedlings under magnesium deficiency. <i>Plant Growth Regulation</i> , 2012, 66, 1-8.	1.8	18
1298	Signal transduction during cold, salt, and drought stresses in plants. <i>Molecular Biology Reports</i> , 2012, 39, 969-987.	1.0	719
1299	Isolation and characterization of a gene encoding an ethylene responsive factor protein from <i>Ceratoides arborescens</i> . <i>Molecular Biology Reports</i> , 2012, 39, 1349-1357.	1.0	3

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1300	Identification and expression pattern of one stress-responsive NAC gene from <i>Solanum lycopersicum</i> . <i>Molecular Biology Reports</i> , 2012, 39, 1713-1720.	1.0	46
1301	Expression and stress tolerance of PR10 genes from <i>Panax ginseng</i> C. A. Meyer. <i>Molecular Biology Reports</i> , 2012, 39, 2365-2374.	1.0	45
1302	Identification and expression analysis of CJLTI, a novel low temperature responsive gene from <i>Caragana jubata</i> . <i>Molecular Biology Reports</i> , 2012, 39, 3197-3202.	1.0	3
1303	Molecular characterization of a cucumber nitrate reductase (CsNR) gene under NO ₃ ⁻ stress. <i>Molecular Biology Reports</i> , 2012, 39, 4283-4290.	1.0	17
1304	Ectopic expression of a LEA protein gene TsLEA1 from <i>Thellungiella salsuginea</i> confers salt-tolerance in yeast and <i>Arabidopsis</i> . <i>Molecular Biology Reports</i> , 2012, 39, 4627-4633.	1.0	24
1305	Cloning and characterization of a maize bZIP transcription factor, ZmbZIP72, confers drought and salt tolerance in transgenic <i>Arabidopsis</i> . <i>Planta</i> , 2012, 235, 253-266.	1.6	184
1306	Variations in the content of stress proteins in the needles of common pine (<i>Pinus sylvestris</i> L.) within an annual cycle. <i>Journal of Forest Research</i> , 2012, 17, 89-97.	0.7	12
1307	Molecular mechanisms of desiccation tolerance in the resurrection glacial relic <i>Haberlea rhodopensis</i> . <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 689-709.	2.4	168
1308	Identification of early response genes to salt stress in roots of melon (<i>Cucumis melo</i> L.) seedlings. <i>Molecular Biology Reports</i> , 2013, 40, 2915-2926.	1.0	18
1309	The barley HvNAC6 transcription factor affects ABA accumulation and promotes basal resistance against powdery mildew. <i>Plant Molecular Biology</i> , 2013, 83, 577-590.	2.0	54
1310	<i>Populus euphratica</i> : the transcriptomic response to drought stress. <i>Plant Molecular Biology</i> , 2013, 83, 539-557.	2.0	84
1311	Overexpression of CsCLC _c , a Chloride Channel Gene from <i>Poncirus trifoliata</i> , Enhances Salt Tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1548-1557.	1.0	37
1312	Coping with abiotic stress: Proteome changes for crop improvement. <i>Journal of Proteomics</i> , 2013, 93, 145-168.	1.2	93
1313	Promoter Analysis for Three Types of EUL-Related Rice Lectins in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1315-1324.	1.0	5
1314	Plant proteome responses to salinity stress – comparison of glycophytes and halophytes. <i>Functional Plant Biology</i> , 2013, 40, 775.	1.1	67
1315	Characterization of physiological responses of two alfalfa half-sib families with improved salt tolerance. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 103-111.	2.8	41
1316	Function of the wheat TaSIP gene in enhancing drought and salt tolerance in transgenic <i>Arabidopsis</i> and rice. <i>Plant Molecular Biology</i> , 2013, 81, 417-429.	2.0	21
1317	The effect of hyper-osmotic salinity on protein pattern and enzyme activities of halophytes. <i>Functional Plant Biology</i> , 2013, 40, 787.	1.1	16

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1319	A transcriptomic study reveals differentially expressed genes and pathways respond to simulated acid rain in <i>Arabidopsis thaliana</i> . <i>Genome</i> , 2013, 56, 49-60.	0.9	19
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1457	Biotic and Abiotic Stress Signaling in Plants. , 2013, , 25-49.		48
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1485	Physiological Response of Halophyte (<i>Suaeda altissima</i>) and Glycophyte (<i>Spinacia oleracea</i>) to Salinity. <i>American Journal of Plant Sciences</i> , 2013, 04, 427-435.	0.3	21

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1487	Calmodulin-Mediated Signal Transduction Pathways in Arabidopsis Are Fine-Tuned by Methylation. <i>Plant Cell</i> , 2013, 25, 4493-4511.	3.1	33
1488	ABF transcription factors of <i>Thellungiella salsuginea</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e22672.	1.2	34
1489	Contrasting physiological responses to high salinity between two varieties of corn 'Luteo' (salt) and 'BT Over	0.4	5
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1616	Overexpression of PtSOS2 Enhances Salt Tolerance in Transgenic Poplars. <i>Plant Molecular Biology Reporter</i> , 2014, 32, 185-197.	1.0	60
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1728	Identification and functional roles of CaDIN1 in abscisic acid signaling and drought sensitivity. <i>Plant Molecular Biology</i> , 2014, 86, 513-525.	2.0	18
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1745	Isolation and functional characterization of DNA damage repair protein (DRT) from <i>Lepidium latifolium</i> L.. <i>Comptes Rendus - Biologies</i> , 2014, 337, 302-310.	0.1	12
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1885	Silicon in Agriculture. , 2015, , .		236
1886	Ultrastructural and physiological responses of potato (<i>Solanum tuberosum</i> L.) plantlets to gradient saline stress. <i>Frontiers in Plant Science</i> , 2014, 5, 787.	1.7	80
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1892	Transcriptome Profiling and Identification of Transcription Factors in Ramie (<i>Boehmeria nivea</i> L. Gaud) in Response to PEG Treatment, Using Illumina Paired-End Sequencing Technology. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3493-3511.	1.8	38

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1895	Engineering crop plants against abiotic stress: Current achievements and prospects. <i>Emirates Journal of Food and Agriculture</i> , 2015, 27, 24.	1.0	31
1896	Silicon-Mediated Tolerance to Drought and Low-Temperature Stress. , 2015, , 143-159.		4
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1901	CBL-Mediated Calcium Signaling Pathways in Higher Plants. , 2015, , 175-190.		0
1902	Comparative Proteomic Analysis of <i>Brassica napus</i> in Response to Drought Stress. <i>Journal of Proteome Research</i> , 2015, 14, 3068-3081.	1.8	90
1903	Drought Stress Responses and Signal Transduction in Plants. , 2015, , 195-225.		56
1904	Involvement of genes encoding ABI1 protein phosphatases in the response of <i>Brassica napus</i> L. to drought stress. <i>Plant Molecular Biology</i> , 2015, 88, 445-457.	2.0	29
1905	Involvement of Phosphatidylinositol 3-kinase in the regulation of proline catabolism in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 772.	1.7	35
1906	Genetic Engineering Strategies for Abiotic Stress Tolerance in Plants. , 2015, , 579-609.		42
1907	Role of abscisic acid (ABA) during persimmon maturation and in detached young fruits. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2015, 43, 111-122.	0.7	0
1908	Interactions between cytokinin signalling and abiotic stress responses. <i>Journal of Experimental Botany</i> , 2015, 66, 4863-4871.	2.4	248
1909	The <i>Arabidopsis</i> Ca ²⁺ -dependent protein kinase CPK27 is required for plant response to salt-stress. <i>Gene</i> , 2015, 563, 203-214.	1.0	37
1910	<i>H⁺</i> -pyrophosphatase from <i>Salicornia europaea</i> confers tolerance to simultaneously occurring salt stress and nitrogen deficiency in <i>Arabidopsis</i> and wheat. <i>Plant, Cell and Environment</i> , 2015, 38, 2433-2449.	2.8	29

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1911	Isolation and characterization of StERF transcription factor genes from potato (<i>Solanum tuberosum</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	0.1	10
1912	Ecophysiological response to seasonal variations in water availability in the arborescent, endemic plant <i>Vellozia gigantea</i> . <i>Tree Physiology</i> , 2015, 35, 253-265.	1.4	22
1913	Isolation and functional characterization of salt-stress induced RCI2-like genes from <i>Medicago sativa</i> and <i>Medicago truncatula</i> . <i>Journal of Plant Research</i> , 2015, 128, 697-707.	1.2	24
1914	Mapping of QTLs associated with abscisic acid and water stress in wheat. <i>Biologia Plantarum</i> , 2015, 59, 291-297.	1.9	19
1915	Pyramiding of AtEDT1/HDG11 and Cry2Aa2 into pepper (<i>Capsicum annuum</i> L.) enhances drought tolerance and insect resistance without yield decrease. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 919-932.	1.2	23
1916	Overexpression of maize SDD1 (<i>ZmSDD1</i>) improves drought resistance in <i>Zea mays</i> L. by reducing stomatal density. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 147-159.	1.2	61
1917	NERF encodes a RING E3 ligase important for drought resistance and enhances the expression of its antisense gene NFYA5 in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2015, 43, 607-617.	6.5	41
1918	Plasma membrane receptor-like kinase leaf panicle 2 acts downstream of the DROUGHT AND SALT TOLERANCE transcription factor to regulate drought sensitivity in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 271-281.	2.4	88
1919	Synthesis and bioactivity of 2- ³ -benzoabscisic acid analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2438-2441.	1.0	16
1920	Dose-Dependent Effects of Coronatine on Cotton Seedling Growth Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2015, 34, 651-664.	2.8	22
1921	Transcriptomic profiling of the salt-stress response in the halophyte <i>Halogeton glomeratus</i> . <i>BMC Genomics</i> , 2015, 16, 169.	1.2	57
1922	Genome-Wide Identification and Analysis of Drought-Responsive Genes and MicroRNAs in Tobacco. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5714-5740.	1.8	32
1923	Identification and localized expression of putative K ⁺ /H ⁺ antiporter genes in <i>Arabidopsis</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	15
1924	Osmotic Stress Modulates the Balance between Exocytosis and Clathrin-Mediated Endocytosis in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2015, 8, 1175-1187.	3.9	95
1925	Salt tolerance and alterations in cytosine methylation in the interspecific hybrids of <i>Fraxinus velutina</i> and <i>Fraxinus mandshurica</i> . <i>Euphytica</i> , 2015, 205, 721-737.	0.6	13
1926	The first linkage map for a recombinant inbred line population in cotton (<i>Gossypium barbadense</i>) and its use in studies of PEG-induced dehydration tolerance. <i>Euphytica</i> , 2015, 205, 941-958.	0.6	20
1927	Two SnRK2 protein kinases genes play a negative regulatory role in the osmotic stress response in tomato. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 421-434.	1.2	14
1929	Expression of SOD and APX genes positively regulates secondary cell wall biosynthesis and promotes plant growth and yield in <i>Arabidopsis</i> under salt stress. <i>Plant Molecular Biology</i> , 2015, 87, 615-631.	2.0	183

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1930	Potassium application mitigates salt stress differentially at different growth stages in tolerant and sensitive maize hybrids. <i>Plant Growth Regulation</i> , 2015, 76, 111-125.	1.8	73
1931	Nitric Oxide Action in Abiotic Stress Responses in Plants. , 2015, , .		13
1932	Constitutive expression of DaCBF7, an Antarctic vascular plant <i>Deschampsia antarctica</i> CBF homolog, resulted in improved cold tolerance in transgenic rice plants. <i>Plant Science</i> , 2015, 236, 61-74.	1.7	87
1934	Plant Growth-Promoting Rhizobacteria for Alleviating Abiotic Stresses in Medicinal Plants. <i>Soil Biology</i> , 2015, , 167-200.	0.6	8
1935	The soybean GmDi19-5 interacts with GmLEA3.1 and increases sensitivity of transgenic plants to abiotic stresses. <i>Frontiers in Plant Science</i> , 2015, 6, 179.	1.7	32
1936	UDP-Glucosyltransferase71C5, a Major Glucosyltransferase, Mediates Abscisic Acid Homeostasis in Arabidopsis. <i>Plant Physiology</i> , 2015, 167, 1659-1670.	2.3	139
1937	A cytochrome P450, OsDSS1, is involved in growth and drought stress responses in rice (<i>Oryza sativa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	111
1938	SKIP Confers Osmotic Tolerance during Salt Stress by Controlling Alternative Gene Splicing in Arabidopsis. <i>Molecular Plant</i> , 2015, 8, 1038-1052.	3.9	140
1939	The Pepper Lipoxygenase CaLOX1 Plays a Role in Osmotic, Drought and High Salinity Stress Response. <i>Plant and Cell Physiology</i> , 2015, 56, 930-942.	1.5	118
1940	Activated expression of AtWRKY53 negatively regulates drought tolerance by mediating stomatal movement. <i>Plant Cell Reports</i> , 2015, 34, 1295-1306.	2.8	91
1941	Spacing between rows: effects on water-use efficiency of double-cropped wheat and soybean. <i>Journal of Agricultural Science</i> , 2015, 153, 90-101.	0.6	9
1942	Autotetraploidization enhances drought stress tolerance in two apple cultivars. <i>Trees - Structure and Function</i> , 2015, 29, 1773-1780.	0.9	48
1943	Crucial roles of the pentatricopeptide repeat protein SOAR1 in Arabidopsis response to drought, salt and cold stresses. <i>Plant Molecular Biology</i> , 2015, 88, 369-385.	2.0	110
1944	Cross-tolerance to abiotic stresses in halophytes: application for phytoremediation of organic pollutants. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	21
1945	Cotton mitogen-activated protein kinase4 (GhMPK4) confers the transgenic Arabidopsis hypersensitivity to salt and osmotic stresses. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 123, 619-632.	1.2	22
1946	An Arabidopsis PWI and RRM motif-containing protein is critical for pre-mRNA splicing and ABA responses. <i>Nature Communications</i> , 2015, 6, 8139.	5.8	105
1947	Downregulation of the lycopene β -cyclase gene confers tolerance to salt and drought stress in <i>Nicotiana tabacum</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	10
1948	Rapeseed calcineurin B-like protein CBL4, interacting with CBL-interacting protein kinase CIPK24, modulates salt tolerance in plants. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 467-471.	1.0	20

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1949	Arabidopsis AIR12 influences root development. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 479-489.	1.4	24
1950	Screening of tea progenies for tolerance to drought stress using multivariate statistical techniques. <i>Scientia Horticulturae</i> , 2015, 197, 157-165.	1.7	4
1951	Expression of nhaA gene confers salt-sensitivity in transgenic rice cultures and plants. <i>New Negatives in Plant Science</i> , 2015, 1-2, 16-22.	0.9	0
1952	Screening Six Varieties of Rice (<i>Oryzasativa</i>) for Salinity Tolerance. <i>Procedia Environmental Sciences</i> , 2015, 28, 78-87.	1.3	20
1953	Identification and characterization of long non-coding RNAs involved in osmotic and salt stress in <i>Medicago truncatula</i> using genome-wide high-throughput sequencing. <i>BMC Plant Biology</i> , 2015, 15, 131.	1.6	181
1954	SCF E3 ligase PP2-B11 plays a positive role in response to salt stress in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4683-4697.	2.4	75
1955	Expression of <i>Brassica napus</i> TTG2, a regulator of trichome development, increases plant sensitivity to salt stress by suppressing the expression of auxin biosynthesis genes. <i>Journal of Experimental Botany</i> , 2015, 66, 5821-5836.	2.4	39
1956	Anion channel SLAH3 functions in nitrate-dependent alleviation of ammonium toxicity in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 474-486.	2.8	84
1957	Thylakoid membrane oxidoreductase LTO1 in <i>Arabidopsis</i> is involved in ABA-mediated response to osmotic stress in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2015, 154, 28-38.	2.6	12
1958	AtCBF1 Overexpression Confers Tolerance to High Light Conditions at Warm Temperatures in Potato Plants. <i>American Journal of Potato Research</i> , 2015, 92, 619-635.	0.5	5
1959	Identification of genomic regions involved in tolerance to drought stress and drought stress induced leaf senescence in juvenile barley. <i>BMC Plant Biology</i> , 2015, 15, 125.	1.6	92
1960	High atmospheric carbon dioxide-dependent alleviation of salt stress is linked to RESPIRATORY BURST OXIDASE 1 (RBOH1)-dependent H ₂ O ₂ production in tomato (<i>Solanum</i>). <i>Tj ETQ</i> , 2015, 1, 0.784914	1.4	14
1961	Soybean transcription factor ORFeome associated with drought resistance: a valuable resource to accelerate research on abiotic stress resistance. <i>BMC Genomics</i> , 2015, 16, 596.	1.2	17
1962	RICE RESEARCH TO BREAK YIELD BARRIERS. <i>Cosmos</i> , 2015, 11, 37-54.	0.4	3
1963	Salt stress sensing and early signalling events in plant roots: Current knowledge and hypothesis. <i>Plant Science</i> , 2015, 241, 109-119.	1.7	189
1964	Post-harvest Physiology of Flowers from the Family Gentianaceae. , 2015, , 287-305.		8
1965	Systematic assessment of reference genes for RT-qPCR across plant species under salt stress and drought stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	6
1966	Alleviation of salt-induced oxidative stress in rice seedlings by proline and/or glycinebetaine. <i>Biologia Plantarum</i> , 2015, 59, 547-553.	1.9	47

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1967	Designing Climate-Smart Future Crops Employing Signal Transduction Components. , 2015, , 393-413.		13
1968	Innovative bio-products for agriculture. Open Chemistry, 2015, 13, .	1.0	19
1969	The overexpression of an <i>Amaranthus hypochondriacus</i> NF-YC gene modifies growth and confers water deficit stress resistance in <i>Arabidopsis</i> . Plant Science, 2015, 240, 25-40.	1.7	48
1970	Acclimation and Tolerance Strategies of Rice under Drought Stress. Rice Science, 2015, 22, 147-161.	1.7	278
1971	EcbZIP60, a basic leucine zipper transcription factor from <i>Eleusine coracana</i> L. improves abiotic stress tolerance in tobacco by activating unfolded protein response pathway. Molecular Breeding, 2015, 35, 1.	1.0	40
1972	Constitutive Expression of Rice <i>MicroRNA528</i> Alters Plant Development and Enhances Tolerance to Salinity Stress and Nitrogen Starvation in Creeping Bentgrass. Plant Physiology, 2015, 169, 576-593.	2.3	136
1973	Overexpression of TsApx1 from <i>Thellungiella salsuginea</i> improves abiotic stress tolerance in transgenic <i>Arabidopsis thaliana</i> . Biologia Plantarum, 2015, 59, 497-506.	1.9	13
1974	Functional roles of the pepper RING finger protein gene, CaRING1, in abscisic acid signaling and dehydration tolerance. Plant Molecular Biology, 2015, 89, 143-156.	2.0	16
1975	NaCl-induced physiological and biochemical changes in two cyanobacteria <i>Nostoc muscorum</i> and <i>Phormidium foveolarum</i> acclimatized to different photosynthetically active radiation. Journal of Photochemistry and Photobiology B: Biology, 2015, 151, 221-232.	1.7	30
1976	Overexpression of a phospholipase $D\hat{\pm}1$ gene from <i>Ammopiptanthus nanus</i> enhances salt tolerance of phospholipase $D\hat{\pm}1$ -deficient <i>Arabidopsis</i> mutant. Planta, 2015, 242, 1495-1509.	1.6	24
1977	Programmed cell death is induced by hydrogen peroxide but not by excessive ionic stress of sodium chloride in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . European Journal of Phycology, 2015, 50, 422-438.	0.9	40
1978	Calmodulin-like protein CML37 is a positive regulator of ABA during drought stress in <i>Arabidopsis</i> . Plant Signaling and Behavior, 2015, 10, e1011951.	1.2	62
1979	The AtLRK10L1.2, <i>Arabidopsis</i> ortholog of wheat LRK10, is involved in ABA-mediated signaling and drought resistance. Plant Cell Reports, 2015, 34, 447-455.	2.8	80
1980	The pepper late embryogenesis abundant protein <i>CaLEA1</i> acts in regulating abscisic acid signaling, drought and salt stress response. Physiologia Plantarum, 2015, 154, 526-542.	2.6	33
1981	Plant Microbes Symbiosis: Applied Facets. , 2015, , .		39
1983	Improving salt stress responses of the symbiosis in alfalfa using salt-tolerant cultivar and rhizobial strain. Applied Soil Ecology, 2015, 87, 108-117.	2.1	67
1984	Proteomic analysis of changes in the <i>Kandelia candel</i> chloroplast proteins reveals pathways associated with salt tolerance. Plant Science, 2015, 231, 159-172.	1.7	50
1985	Enhanced salt tolerance of alfalfa (<i>Medicago sativa</i>) by <i>rstB</i> gene transformation. Plant Science, 2015, 234, 110-118.	1.7	40

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1986	Transcriptome analysis reveals diversified adaptation of <i>Stipa purpurea</i> along a drought gradient on the Tibetan Plateau. <i>Functional and Integrative Genomics</i> , 2015, 15, 295-307.	1.4	36
1987	Effects of NaCl and soaking temperature on the phenolic compounds, $\hat{1}\pm$ -tocopherol, $\hat{1}^3$ -oryzanol and fatty acids of glutinous rice. <i>Food Chemistry</i> , 2015, 175, 218-224.	4.2	23
1988	De novo transcriptome assembly, gene annotation, marker development, and miRNA potential target genes validation under abiotic stresses in <i>Oenanthe javanica</i> . <i>Molecular Genetics and Genomics</i> , 2015, 290, 671-683.	1.0	48
1989	Soil salinity: A serious environmental issue and plant growth promoting bacteria as one of the tools for its alleviation. <i>Saudi Journal of Biological Sciences</i> , 2015, 22, 123-131.	1.8	1,759
1990	miR408 overexpression causes increased drought tolerance in chickpea. <i>Gene</i> , 2015, 555, 186-193.	1.0	194
1991	Physiological and molecular level studies on the toxicity of silver nanoparticles in germinating seedlings of mung bean (<i>Vigna radiata</i> L.). <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	68
1992	Positive feedback regulation of a <i>Lycium chinense</i> -derived VDE gene by drought-induced endogenous ABA, and over-expression of this VDE gene improve drought-induced photo-damage in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2015, 175, 26-36.	1.6	30
1993	Overexpression of wheat NF-YA10 gene regulates the salinity stress response in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 86, 34-43.	2.8	57
1994	In vitro rice shoot apices as simple model to study the effect of NaCl and the potential of exogenous proline and glutathione in mitigating salinity stress. <i>Plant Growth Regulation</i> , 2015, 75, 771-781.	1.8	36
1995	Four <i>AREB</i> transcription factors function predominantly in gene expression downstream of <i>SnRK2</i> kinases in abscisic acid signalling in response to osmotic stress. <i>Plant, Cell and Environment</i> , 2015, 38, 35-49.	2.8	491
1996	Global plant-responding mechanisms to salt stress: physiological and molecular levels and implications in biotechnology. <i>Critical Reviews in Biotechnology</i> , 2015, 35, 425-437.	5.1	265
1997	Overexpression of a miR393-Resistant Form of Transport Inhibitor Response Protein 1 (mTIR1) Enhances Salt Tolerance by Increased Osmoregulation and Na ⁺ Exclusion in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 73-83.	1.5	92
1998	General mechanisms of drought response and their application in drought resistance improvement in plants. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 673-689.	2.4	852
1999	The potential of nitric oxide for reducing oxidative damage induced by drought stress in two turfgrass species, creeping bentgrass and tall fescue. <i>Grass and Forage Science</i> , 2015, 70, 538-548.	1.2	36
2000	Ethylene in Plants. , 2015, , .		28
2001	Potential role of phytohormones and plant growth-promoting rhizobacteria in abiotic stresses: consequences for changing environment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4907-4921.	2.7	459
2002	On the salty side of life: molecular, physiological and anatomical adaptation and acclimation of trees to extreme habitats. <i>Plant, Cell and Environment</i> , 2015, 38, 1794-1816.	2.8	109
2003	Seaweed extract effect on water deficit and antioxidative mechanisms in bean plants (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 1.5 57	1.5	57

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2004	Metabolic response of maize (<i>Zea mays</i> L.) plants to combined drought and salt stress. <i>Plant and Soil</i> , 2015, 388, 99-117.	1.8	84
2005	Sodium extrusion associated with enhanced expression of SOS1 underlies different salt tolerance between <i>Medicago falcata</i> and <i>Medicago truncatula</i> seedlings. <i>Environmental and Experimental Botany</i> , 2015, 110, 46-55.	2.0	32
2006	A novel wheat <i>ZIP</i> transcription factor, <i>TabZIP60</i> , confers multiple abiotic stress tolerances in transgenic <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2015, 153, 538-554.	2.6	131
2007	Small <i>RNA</i> deep sequencing identifies novel and salt stress-regulated <i>microRNAs</i> from roots of <i>Medicago sativa</i> and <i>Medicago truncatula</i> . <i>Physiologia Plantarum</i> , 2015, 154, 13-27.	2.6	46
2008	Ionic and photosynthetic homeostasis in quinoa challenged by salinity and drought – mechanisms of tolerance. <i>Functional Plant Biology</i> , 2015, 42, 136.	1.1	81
2009	Overexpression of <i>Arabidopsis XERICO</i> gene confers enhanced drought and salt stress tolerance in rice (<i>Oryza Sativa</i> L.). <i>Journal of Plant Biochemistry and Biotechnology</i> , 2015, 24, 56-64.	0.9	30
2010	Progress in Botany. <i>Progress in Botany Fortschritte Der Botanik</i> , 2015, , .	0.1	7
2011	Ameliorative effects of foliar methanol spraying on salt injury to soybean seedlings differing in salt tolerance. <i>Plant Growth Regulation</i> , 2015, 75, 133-141.	1.8	16
2012	Developmental acquisition of salt tolerance in the halophyte <i>Atriplex halimus</i> L. is related to differential regulation of salt inducible genes. <i>Plant Growth Regulation</i> , 2015, 75, 165-178.	1.8	11
2013	Small RNAs in Plant Response to Abiotic Stress. , 0, , .		3
2014	Abscisic Acid Signalling as a Target for Enhancing Drought Tolerance. , 0, , .		2
2015	Effects of Irrigation and Precision Planting Patterns on Photosynthetic Product of Wheat. <i>Agronomy Journal</i> , 2016, 108, 2322-2328.	0.9	14
2016	Analysis of Morphological and Physiological Responses to Drought and Salinity in Four Rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	3
2017	Response of Rice under Salinity Stress: A Review Update. <i>Rice Research Open Access</i> , 2016, 4, .	0.4	69
2018	Genome-wide expression analysis of a rice mutant line under salt stress. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	17
2019	Overexpression of <i>NaKR3</i> enhances salt tolerance in <i>Arabidopsis</i> . <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	4
2020	Effects of Putrescine on Anti-Oxidative Enzymes in Two Rice Cultivars Subjected To Salinity. , 2016, 04, .		2
2021	Rhizobacterial Strain <i>Bacillus megaterium</i> BOFC15 Induces Cellular Polyamine Changes that Improve Plant Growth and Drought Resistance. <i>International Journal of Molecular Sciences</i> , 2016, 17, 976.	1.8	165

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2022	Genome-Wide Identification, Expression Diversification of Dehydrin Gene Family and Characterization of CaDHN3 in Pepper (<i>Capsicum annuum</i> L.). <i>PLoS ONE</i> , 2016, 11, e0161073.	1.1	35
2023	Exploration and Utilization of Salt-Tolerant Barley Germplasm. , 2016, , 75-113.		0
2024	Foliar-applied É-tocopherol enhances salt-tolerance in onion plants by improving antioxidant defence system. <i>Australian Journal of Crop Science</i> , 2016, 10, 1030-1039.	0.1	47
2025	Genome-assisted Breeding For Drought Resistance. <i>Current Genomics</i> , 2016, 17, 330-342.	0.7	42
2026	Consequences of Water Deficit on Metabolism of Legumes. , 0, , .		1
2027	Germination, growth and physiological responses of <i>Senegalia senegal</i> (L.) Britton, <i>Vachellia seyal</i> (Delile) P. Hurter and <i>Prosopis juliflora</i> (Swartz) DC to salinity stress in greenhouse conditions. <i>African Journal of Biotechnology</i> , 2016, 15, 2017-2027.	0.3	4
2028	Identification, characterization, and expression profiling of salt-stress tolerant proton gradient regulator 5 (PGR5) in <i>Gossypium arboreum</i> . <i>Turkish Journal of Biology</i> , 2016, 40, 889-898.	2.1	1
2029	Exploration and Utilization of Drought-Tolerant Barley Germplasm. , 2016, , 115-152.		3
2030	A New Insight of Salt Stress Signaling in Plant. <i>Molecules and Cells</i> , 2016, 39, 447-459.	1.0	230
2031	Advances in Plant Tolerance to Abiotic Stresses. , 0, , .		30
2032	Shotgun Quantitative Proteomic Analysis of Proteins Responding to Drought Stress in <i>Brassica rapa</i> L. (Inbred Line ‘Chiifu’). <i>International Journal of Genomics</i> , 2016, 2016, 1-9.	0.8	8
2033	Leaf Proteome Analysis Reveals Prospective Drought and Heat Stress Response Mechanisms in Soybean. <i>BioMed Research International</i> , 2016, 2016, 1-23.	0.9	105
2034	Plant Stress Responses Mediated by CBL-CIPK Phosphorylation Network. <i>The Enzymes</i> , 2016, 40, 31-64.	0.7	29
2035	Wheat Transcription Factor TaAREB3 Participates in Drought and Freezing Tolerances in <i>Arabidopsis</i> . <i>International Journal of Biological Sciences</i> , 2016, 12, 257-269.	2.6	70
2036	Canola Seedling Response to NaCl Stress – a Proteomic Approach. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016, 44, 361-366.	0.5	1
2037	Isobaric Tags for Relative and Absolute Quantitation (iTRAQ)-Based Comparative Proteome Analysis of the Response of Ramie under Drought Stress. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1607.	1.8	15
2038	A transgenic approach to improve the drought tolerance of potato. <i>Acta Horticulturae</i> , 2016, , 203-210.	0.1	1
2039	Genetic Diversity and Molecular Evolution of a Violaxanthin De-epoxidase Gene in Maize. <i>Frontiers in Genetics</i> , 2016, 7, 131.	1.1	6

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2040	Plant Drought Tolerance Enhancement by Trehalose Production of Desiccation-Tolerant Microorganisms. <i>Frontiers in Microbiology</i> , 2016, 7, 1577.	1.5	88
2041	Selected Abiotic and Biotic Environmental Stress Factors Affecting Two Economically Important Sugarcane Stalk Boring Pests in the United States. <i>Agronomy</i> , 2016, 6, 10.	1.3	14
2042	A Chloroplast-Localized Rubredoxin Family Protein Gene from <i>Puccinellia tenuiflora</i> (PutRUB) Increases NaCl and NaHCO ₃ Tolerance by Decreasing H ₂ O ₂ Accumulation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 804.	1.8	18
2043	Changes in the <i>Arabidopsis thaliana</i> Proteome Implicate cAMP in Biotic and Abiotic Stress Responses and Changes in Energy Metabolism. <i>International Journal of Molecular Sciences</i> , 2016, 17, 852.	1.8	34
2044	Expression of <i>Stipa purpurea</i> SpCIPK26 in <i>Arabidopsis thaliana</i> Enhances Salt and Drought Tolerance and Regulates Abscisic Acid Signaling. <i>International Journal of Molecular Sciences</i> , 2016, 17, 966.	1.8	11
2045	Screening and Validation of Housekeeping Genes of the Root and Cotyledon of <i>Cunninghamia lanceolata</i> under Abiotic Stresses by Using Quantitative Real-Time PCR. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1198.	1.8	30
2046	Response of <i>Arabidopsis thaliana</i> Roots with Altered Lipid Transfer Protein (LTP) Gene Expression to the Clubroot Disease and Salt Stress. <i>Plants</i> , 2016, 5, 2.	1.6	45
2047	Overexpression of <i>Arabidopsis</i> AnnAt8 Alleviates Abiotic Stress in Transgenic <i>Arabidopsis</i> and Tobacco. <i>Plants</i> , 2016, 5, 18.	1.6	23
2048	Transcriptome profiling analysis for two Tibetan wild barley genotypes in responses to low nitrogen. <i>BMC Plant Biology</i> , 2016, 16, 30.	1.6	104
2049	Identification and characterization of miRNAs and targets in flax (<i>Linum usitatissimum</i>) under saline, alkaline, and saline-alkaline stresses. <i>BMC Plant Biology</i> , 2016, 16, 124.	1.6	57
2050	Identification of Reference Genes for Quantitative Real-Time PCR in Date Palm (<i>Phoenix dactylifera</i> L.) Subjected to Drought and Salinity. <i>PLoS ONE</i> , 2016, 11, e0166216.	1.1	24
2051	Genome-Scale Transcriptome Analysis of the Desert Shrub <i>Artemisia sphaerocephala</i> . <i>PLoS ONE</i> , 2016, 11, e0154300.	1.1	11
2052	Transcriptome Analysis of the Response to NaCl in <i>Suaeda maritima</i> Provides an Insight into Salt Tolerance Mechanisms in Halophytes. <i>PLoS ONE</i> , 2016, 11, e0163485.	1.1	29
2053	Responses of In vitro-Grown Plantlets (<i>Vitis vinifera</i>) to Grapevine leafroll-Associated Virus-3 and PEG-Induced Drought Stress. <i>Frontiers in Physiology</i> , 2016, 7, 203.	1.3	29
2054	Genome-Wide Analysis of the AP2/ERF Superfamily Genes and their Responses to Abiotic Stress in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 1247.	1.7	128
2055	Comparative Physiological and Transcriptional Analyses of Two Contrasting Drought Tolerant Alfalfa Varieties. <i>Frontiers in Plant Science</i> , 2015, 6, 1256.	1.7	61
2056	Overexpression of a Stress-Responsive NAC Transcription Factor Gene ONAC022 Improves Drought and Salt Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 4.	1.7	355
2057	Glutathione S-Transferase Gene Family in <i>Gossypium raimondii</i> and <i>G. arboreum</i> : Comparative Genomic Study and their Expression under Salt Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 139.	1.7	81

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2058	Heterologous Expression of AtWRKY57 Confers Drought Tolerance in <i>Oryza sativa</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 145.	1.7	94
2059	Tyrosine Phosphorylation Based Homo-dimerization of Arabidopsis RACK1A Proteins Regulates Oxidative Stress Signaling Pathways in Yeast. <i>Frontiers in Plant Science</i> , 2016, 7, 176.	1.7	16
2060	Reducing Cytoplasmic Polyamine Oxidase Activity in Arabidopsis Increases Salt and Drought Tolerance by Reducing Reactive Oxygen Species Production and Increasing Defense Gene Expression. <i>Frontiers in Plant Science</i> , 2016, 7, 214.	1.7	46
2061	Differential Activation of the Wheat SnRK2 Family by Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2016, 7, 420.	1.7	63
2062	Comparative Proteomic Analysis Reveals Differential Root Proteins in <i>Medicago sativa</i> and <i>Medicago truncatula</i> in Response to Salt Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 424.	1.7	41
2063	Emerging Roles of Strigolactones in Plant Responses to Stress and Development. <i>Frontiers in Plant Science</i> , 2016, 7, 434.	1.7	76
2064	Soybean Salt Tolerance 1 (GmST1) Reduces ROS Production, Enhances ABA Sensitivity, and Abiotic Stress Tolerance in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2016, 7, 445.	1.7	34
2065	Differential Acclimation of Enzymatic Antioxidant Metabolism and Photosystem II Photochemistry in Tall Fescue under Drought and Heat and the Combined Stresses. <i>Frontiers in Plant Science</i> , 2016, 7, 453.	1.7	49
2066	Heat Priming Induces Trans-generational Tolerance to High Temperature Stress in Wheat. <i>Frontiers in Plant Science</i> , 2016, 7, 501.	1.7	65
2067	Phloem Proteomics Reveals New Lipid-Binding Proteins with a Putative Role in Lipid-Mediated Signaling. <i>Frontiers in Plant Science</i> , 2016, 7, 563.	1.7	24
2068	Genetic Screening for Arabidopsis Mutants Defective in STA1 Regulation under Thermal Stress Implicates the Existence of Regulators of Its Specific Expression, and the Genetic Interactions in the Stress Signaling Pathways. <i>Frontiers in Plant Science</i> , 2016, 7, 618.	1.7	4
2069	A SNARE-Like Superfamily Protein SbSLSP from the Halophyte <i>Salicornia brachiata</i> Confers Salt and Drought Tolerance by Maintaining Membrane Stability, K ⁺ /Na ⁺ Ratio, and Antioxidant Machinery. <i>Frontiers in Plant Science</i> , 2016, 7, 737.	1.7	30
2070	The Arabidopsis LYST INTERACTING PROTEIN 5 Acts in Regulating Abscisic Acid Signaling and Drought Response. <i>Frontiers in Plant Science</i> , 2016, 7, 758.	1.7	21
2071	The Pepper CaOSR1 Protein Regulates the Osmotic Stress Response via Abscisic Acid Signaling. <i>Frontiers in Plant Science</i> , 2016, 7, 890.	1.7	13
2072	New Insights on Drought Stress Response by Global Investigation of Gene Expression Changes in Sheepgrass (<i>Leymus chinensis</i>). <i>Frontiers in Plant Science</i> , 2016, 7, 954.	1.7	38
2073	Micrasterias as a Model System in Plant Cell Biology. <i>Frontiers in Plant Science</i> , 2016, 7, 999.	1.7	39
2074	Transcription Factors and Plants Response to Drought Stress: Current Understanding and Future Directions. <i>Frontiers in Plant Science</i> , 2016, 7, 1029.	1.7	611
2075	Identification of Drought Tolerant Mechanisms in Maize Seedlings Based on Transcriptome Analysis of Recombination Inbred Lines. <i>Frontiers in Plant Science</i> , 2016, 7, 1080.	1.7	98

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2077	Overexpression of AtEDT1/HDG11 in Chinese Kale (<i>Brassica oleracea</i> var. <i>alboglabra</i>) Enhances Drought and Osmotic Stress Tolerance. <i>Frontiers in Plant Science</i> , 2016, 7, 1285.	1.7	42
2078	Characterization of CIPK Family in Asian Pear (<i>Pyrus bretschneideri</i> Rehd) and Co-expression Analysis Related to Salt and Osmotic Stress Responses. <i>Frontiers in Plant Science</i> , 2016, 7, 1361.	1.7	26
2079	Expression of the Grape VqSTS21 Gene in <i>Arabidopsis</i> Confers Resistance to Osmotic Stress and Biotrophic Pathogens but Not <i>Botrytis cinerea</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1379.	1.7	23
2080	The <i>Arabidopsis</i> Transcription Factor ANAC032 Represses Anthocyanin Biosynthesis in Response to High Sucrose and Oxidative and Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2016, 7, 1548.	1.7	95
2081	A Role for Barley Calcium-Dependent Protein Kinase CPK2a in the Response to Drought. <i>Frontiers in Plant Science</i> , 2016, 7, 1550.	1.7	40
2082	Bioinformatic Analyses of Subgroup-A Members of the Wheat bZIP Transcription Factor Family and Functional Identification of TabZIP174 Involved in Drought Stress Response. <i>Frontiers in Plant Science</i> , 2016, 7, 1643.	1.7	24
2083	Contrasting Proteomic and Metabolomic Responses of Bermudagrass to Drought and Salt Stresses. <i>Frontiers in Plant Science</i> , 2016, 7, 1694.	1.7	24
2084	Ability to Remove Na ⁺ and Retain K ⁺ Correlates with Salt Tolerance in Two Maize Inbred Lines Seedlings. <i>Frontiers in Plant Science</i> , 2016, 7, 1716.	1.7	72
2085	Genistein: A Novel Anthocyanin Synthesis Promoter that Directly Regulates Biosynthetic Genes in Red Cabbage in a Light-Dependent Way. <i>Frontiers in Plant Science</i> , 2016, 7, 1804.	1.7	7
2086	Beneficial Roles of Melatonin on Redox Regulation of Photosynthetic Electron Transport and Synthesis of D1 Protein in Tomato Seedlings under Salt Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1823.	1.7	121
2087	Barley Brassinosteroid Mutants Provide an Insight into Phytohormonal Homeostasis in Plant Reaction to Drought Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1824.	1.7	55
2088	Role of ABA in <i>Arabidopsis</i> Salt, Drought, and Desiccation Tolerance. , 0, , .		37
2089	Molecular and Morphophysiological Analysis of Drought Stress in Plants. , 0, , .		20
2090	Functional Analysis of Potato <i>CPD</i> Gene: A Rate-Limiting Enzyme in Brassinosteroid Biosynthesis under Polyethylene Glycol-Induced Osmotic Stress. <i>Crop Science</i> , 2016, 56, 2675-2687.	0.8	16
2091	Genomics of Salinity Tolerance in Plants. , 0, , .		9
2092	Effect of drought stress on gas exchange characteristics of four soybean genotypes. <i>Bangladesh Journal of Agricultural Research</i> , 2016, 41, 195-205.	0.0	34
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2095	Molecular dissection of <i>Oryza sativa</i> salt-induced RING Finger Protein 1 (<i>OsSIRP1</i>): possible involvement in the sensitivity response to salinity stress. <i>Physiologia Plantarum</i> , 2016, 158, 168-179.	2.6	31
2096	Exogenous melatonin improved potassium content in <i>Malus</i> under different stress conditions. <i>Journal of Pineal Research</i> , 2016, 61, 218-229.	3.4	116
2097	The influence of alternative pathways of respiration that utilize branched-chain amino acids following water shortage in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1304-1319.	2.8	139
2098	Antioxidative response to abiotic and biotic stresses in mangrove plants: A review. <i>International Review of Hydrobiology</i> , 2016, 101, 3-19.	0.5	64
2099	Overexpression of the <i>OsERF71</i> Transcription Factor Alters Rice Root Structure and Drought Resistance. <i>Plant Physiology</i> , 2016, 172, 575-588.	2.3	180
2100	Modulation of the Fragrance of Kam Sweet Rice by Jasmonic Acid and Abscisic Acid Might Involve the MYC2 and ABI5 Transcription Factors. <i>Journal of Food Biochemistry</i> , 2016, 40, 639-646.	1.2	2
2101	AsHSP17, a creeping bentgrass small heat shock protein modulates plant photosynthesis and ABA-dependent and independent signalling to attenuate plant response to abiotic stress. <i>Plant, Cell and Environment</i> , 2016, 39, 1320-1337.	2.8	82
2102	Overexpression of <i>MdSOS2L1</i> , a <i>CIPK</i> protein kinase, increases the antioxidant metabolites to enhance salt tolerance in apple and tomato. <i>Physiologia Plantarum</i> , 2016, 156, 201-214.	2.6	111
2103	Morphological changes and increase of resistance to oxidative stress by overexpression of the <i>LebZIP2</i> gene in <i>Nicotiana benthamiana</i> . <i>Russian Journal of Plant Physiology</i> , 2016, 63, 124-131.	0.5	4
2104	Effect of reduced plant height on drought tolerance in rice. <i>3 Biotech</i> , 2016, 6, 221.	1.1	35
2105	Identification and functional expression of the pepper RING type E3 ligase, <i>CaDTR1</i> , involved in drought stress tolerance via ABA-mediated signalling. <i>Scientific Reports</i> , 2016, 6, 30097.	1.6	16
2106	Overexpression of a Chimeric Gene, <i>OsDST-SRDX</i> , Improved Salt Tolerance of Perennial Ryegrass. <i>Scientific Reports</i> , 2016, 6, 27320.	1.6	24
2107	Comparative Proteomics Reveals that Phosphorylation of \hat{P}^2 Carbonic Anhydrase 1 Might be Important for Adaptation to Drought Stress in <i>Brassica napus</i> . <i>Scientific Reports</i> , 2016, 6, 39024.	1.6	37
2108	G6PDH activity highlights the operation of the cyclic electron flow around PSI in <i>Physcomitrella patens</i> during salt stress. <i>Scientific Reports</i> , 2016, 6, 21245.	1.6	13
2109	Overexpression of spinach non-symbiotic hemoglobin in <i>Arabidopsis</i> resulted in decreased NO content and lowered nitrate and other abiotic stresses tolerance. <i>Scientific Reports</i> , 2016, 6, 26400.	1.6	32
2110	Differences in LEA-like 11-24 gene expression in desiccation tolerant and sensitive species of <i>Linderniaceae</i> are due to variations in gene promoter sequences. <i>Functional Plant Biology</i> , 2016, 43, 695.	1.1	2
2111	Soybean <i>GmNFYB1</i> transcription factor confers abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Canadian Journal of Plant Science</i> , 0, , .	0.3	11

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2112	Phosphorylation of serine residue modulates cotton Di19-1 and Di19-2 activities for responding to high salinity stress and abscisic acid signaling. <i>Scientific Reports</i> , 2016, 6, 20371.	1.6	25
2113	Enzymatic study on AtCCD4 and AtCCD7 and their potential to form acyclic regulatory metabolites. <i>Journal of Experimental Botany</i> , 2016, 67, 5993-6005.	2.4	79
2114	Evaluation of Selected Indian Bread Wheat (<i>Triticum aestivum</i> L.) Genotypes for Morpho-physiological and Biochemical Characterization under Salt Stress Conditions. <i>Cereal Research Communications</i> , 2016, 44, 341-348.	0.8	1
2115	Autumn dormancy regulates the expression of <i>cas18</i> , <i>vsp</i> and <i>corF</i> genes during cold acclimation of lucerne (<i>Medicago sativa</i> L.). <i>Crop and Pasture Science</i> , 2016, 67, 666.	0.7	6
2116	Long-Distance Lipid Signaling and its Role in Plant Development and Stress Response. <i>Sub-Cellular Biochemistry</i> , 2016, 86, 339-361.	1.0	16
2117	AtMYB12 regulates flavonoids accumulation and abiotic stress tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Molecular Genetics and Genomics</i> , 2016, 291, 1545-1559.	1.0	153
2118	Saline and osmotic stresses stimulate PLD/diacylglycerol kinase activities and increase the level of phosphatidic acid and proline in barley roots. <i>Environmental and Experimental Botany</i> , 2016, 128, 69-78.	2.0	33
2119	The <i>Populus trichocarpa</i> PthSP17.8 involved in heat and salt stress tolerances. <i>Plant Cell Reports</i> , 2016, 35, 1587-1599.	2.8	37
2120	The LEA protein, ABR, is regulated by ABI5 and involved in dark-induced leaf senescence in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2016, 247, 93-103.	1.7	58
2121	Overexpression of wheat ubiquitin gene, Ta-Ub2, improves abiotic stress tolerance of <i>Brachypodium distachyon</i> . <i>Plant Science</i> , 2016, 248, 102-115.	1.7	39
2122	Genome-wide investigation of the NAC transcription factor family in melon (<i>Cucumis melo</i> L.) and their expression analysis under salt stress. <i>Plant Cell Reports</i> , 2016, 35, 1827-1839.	2.8	46
2123	Quantitative proteomics and phosphoproteomics of sugar beet monosomic addition line M14 in response to salt stress. <i>Journal of Proteomics</i> , 2016, 143, 286-297.	1.2	37
2124	Differential Proteins Expressed in Rice Leaves and Grains in Response to Salinity and Exogenous Spermidine Treatments. <i>Rice Science</i> , 2016, 23, 9-21.	1.7	9
2125	Glutamate receptors are involved in mitigating effects of amino acids on seed germination of <i>Arabidopsis thaliana</i> under salt stress. <i>Environmental and Experimental Botany</i> , 2016, 130, 68-78.	2.0	35
2126	The Mobile <i>bypass</i> Signal Arrests Shoot Growth by Disrupting Shoot Apical Meristem Maintenance, Cytokinin Signaling, and <i>WUS</i> Transcription Factor Expression. <i>Plant Physiology</i> , 2016, 171, 2178-2190.	2.3	16
2127	Identification, isolation and expression analysis of eight stress-related R2R3-MYB genes in tartary buckwheat (<i>Fagopyrum tataricum</i>). <i>Plant Cell Reports</i> , 2016, 35, 1385-1396.	2.8	37
2128	The transcription factor SIDof22 involved in ascorbate accumulation and salinity stress in tomato. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 736-741.	1.0	48
2129	Drought-induced anatomical changes in radish (<i>Raphanus sativus</i> L.) leaves supplied with trehalose through different modes. <i>Arid Land Research and Management</i> , 2016, 30, 412-420.	0.6	13

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2130	A <i>myo</i> -inositol 1-phosphate synthase gene, <i>MIPS1</i> , enhances salt and drought tolerance and stem nematode resistance in transgenic sweet potato. <i>Plant Biotechnology Journal</i> , 2016, 14, 592-602.	4.1	175
2131	Exogenous Abscisic Acid Alleviates Cadmium Toxicity by Restricting Cd ²⁺ Influx in <i>Populus euphratica</i> Cells. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 827-837.	2.8	60
2132	The transcriptome of NaCl-treated <i>Limonium bicolor</i> leaves reveals the genes controlling salt secretion of salt gland. <i>Plant Molecular Biology</i> , 2016, 91, 241-256.	2.0	102
2133	Secretory peptide PdEPF2 enhances drought tolerance by modulating stomatal density and regulates ABA response in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 419-431.	1.2	11
2134	iTRAQ-based quantitative proteomic analysis reveals proteomic changes in leaves of cultivated tobacco (<i>Nicotiana tabacum</i>) in response to drought stress. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 768-775.	1.0	69
2135	Transgenic poplar overexpressing the endogenous transcription factor <i>ERF76</i> gene improves salinity tolerance. <i>Tree Physiology</i> , 2016, 36, 896-908.	1.4	87
2136	Improvement and transcriptome analysis of root architecture by overexpression of <i>Fraxinus pennsylvanica</i> <i>DREB2A</i> transcription factor in <i>Robinia pseudoacacia</i> L. 'Idaho'. <i>Plant Biotechnology Journal</i> , 2016, 14, 1456-1469.	4.1	20
2137	Auxin response under osmotic stress. <i>Plant Molecular Biology</i> , 2016, 91, 661-672.	2.0	88
2138	Effects of drought and salt-stresses on gene expression in <i>Caragana korshinskii</i> seedlings revealed by RNA-seq. <i>BMC Genomics</i> , 2016, 17, 200.	1.2	47
2139	A Novel Little Membrane Protein Confers Salt Tolerance in Rice (<i>Oryza sativa</i> L.). <i>Plant Molecular Biology Reporter</i> , 2016, 34, 524-532.	1.0	8
2140	Capsicum (Hot Pepper and Bell Pepper). , 2016, , 151-166.		5
2141	Plant hormone-mediated regulation of stress responses. <i>BMC Plant Biology</i> , 2016, 16, 86.	1.6	1,397
2142	Melatonin improves antioxidant capacity and ion homeostasis and enhances salt tolerance in maize seedlings. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	152
2143	Response of Bur and Red oak seedlings to NaCl-induced salinity. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	0
2144	Overexpression of the MYB transcription factor MYB28 or MYB99 confers hypersensitivity to abscisic acid in arabidopsis. <i>Journal of Plant Biology</i> , 2016, 59, 152-161.	0.9	8
2145	Functional analysis of the 1-aminocyclopropane-1-carboxylate deaminase gene of the biocontrol fungus <i>Trichoderma asperellum</i> ACCC30536. <i>Canadian Journal of Plant Science</i> , 2016, 96, 265-275.	0.3	17
2146	Heterologous expression of two <i>Physcomitrella patens</i> group 3 late embryogenesis abundant protein (LEA3) genes confers salinity tolerance in arabidopsis. <i>Journal of Plant Biology</i> , 2016, 59, 182-193.	0.9	12
2147	Methylglyoxal and Glyoxalase System in Plants: Old Players, New Concepts. <i>Botanical Review</i> , The, 2016, 82, 183-203.	1.7	90

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2148	Stress and Mycorrhizal Plant. Fungal Biology, 2016, , 63-79.	0.3	5
2149	Reversible Burst of Transcriptional Changes during Induction of Crassulacean Acid Metabolism in <i>Talinum triangulare</i> . Plant Physiology, 2016, 170, 102-122.	2.3	93
2150	Association mapping for yield and yield-contributing traits in barley under drought conditions with genome-based SSR markers. Comptes Rendus - Biologies, 2016, 339, 153-162.	0.1	24
2151	Interaction of Rhizobacteria with Arbuscular Mycorrhizal Fungi (AMF) and Their Role in Stress Abatement in Agriculture. Fungal Biology, 2016, , 117-142.	0.3	5
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2153	Recent Advances on Mycorrhizal Fungi. Fungal Biology, 2016, , .	0.3	7
2154	Over-expression of poplar transcription factor ERF76 gene confers salt tolerance in transgenic tobacco. Journal of Plant Physiology, 2016, 198, 23-31.	1.6	57
2155	Overexpression of CuZnSOD and APX enhance salt stress tolerance in sweet potato. Plant Physiology and Biochemistry, 2016, 109, 20-27.	2.8	78
2159	Oxidative defense metabolites induced by salinity stress in roots of <i>Salicornia herbacea</i> . Journal of Plant Physiology, 2016, 206, 133-142.	1.6	26
2160	<i>OsDi19a</i> acts downstream of <i>OsCDPK14</i> to positively regulate ABA response in rice. Plant, Cell and Environment, 2016, 39, 2740-2753.	2.8	46
2161	Identification of drought response genes in <i>Zygophyllum xanthoxylum</i> by suppression subtractive hybridization. Journal of Plant Biology, 2016, 59, 377-385.	0.9	9
2162	Overexpression of an Arabidopsis cysteine-rich receptor-like protein kinase, CRK5, enhances abscisic acid sensitivity and confers drought tolerance. Journal of Experimental Botany, 2016, 67, 5009-5027.	2.4	77
2163	Establishing the Architecture of Plant Gene Regulatory Networks. Methods in Enzymology, 2016, 576, 251-304.	0.4	8
2164	Spatial Regulation of ABCG25, an ABA Exporter, Is an Important Component of the Mechanism Controlling Cellular ABA Levels. Plant Cell, 2016, 28, 2528-2544.	3.1	46
2165	The Function of Cellular Redox Homeostasis and Reactive Oxygen Species (ROS) in Plants Tolerance to Abiotic Stresses. , 2016, , 213-231.		0
2166	Grapevine RD22a constitutive expression in tobacco enhances stomatal adjustment and confers drought tolerance. Theoretical and Experimental Plant Physiology, 2016, 28, 395-413.	1.1	4
2167	Abiotic Stress Signaling and Responses in Plants. Cell, 2016, 167, 313-324.	13.5	3,491
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2170	The Pepper RING-Type E3 Ligase, CaAIP1, Functions as a Positive Regulator of Drought and High Salinity Stress Responses. Plant and Cell Physiology, 2016, 57, 2202-2212.	1.5	9
2171	KCl induces a caspase-independent programmed cell death in the unicellular green chlorophyte <i>Chlamydomonas reinhardtii</i> (Chlorophyceae). Phycologia, 2016, 55, 378-392.	0.6	13
2172	A Raf-like MAPKKK gene, GhRaf19, negatively regulates tolerance to drought and salt and positively regulates resistance to cold stress by modulating reactive oxygen species in cotton. Plant Science, 2016, 252, 267-281.	1.7	63
2173	The miR393a/target module regulates seed germination and seedling establishment under submergence in rice (<i>Oryza sativa</i> L.). Plant, Cell and Environment, 2016, 39, 2288-2302.	2.8	53
2174	Quality composition and irrigation suitability of various surface water and groundwater sources at Matahara Plain. Water Resources, 2016, 43, 677-689.	0.3	18
2175	Differential physiological response of the grapevine varieties Touriga Nacional and Trincadeira to combined heat, drought and light stresses. Plant Biology, 2016, 18, 101-111.	1.8	64
2176	Poplar woody taproot under bending stress: the asymmetric response of the convex and concave sides. Annals of Botany, 2016, 118, 865-883.	1.4	22
2177	Drought Stress Response in Common Wheat, Durum Wheat, and Barley: Transcriptomics, Proteomics, Metabolomics, Physiology, and Breeding for an Enhanced Drought Tolerance. , 2016, , 277-314.		14
2178	Transcription Factors Involved in Plant Drought Tolerance Regulation. , 2016, , 315-358.		1
2179	Present Status and Future Prospects of Transgenic Approaches for Drought Tolerance. , 2016, , 549-569.		1
2180	Drought Stress Tolerance in Plants: Insights from Metabolomics. , 2016, , 187-216.		18
2181	Genome-wide identification of salinity responsive HSP70s in common bean. Molecular Biology Reports, 2016, 43, 1251-1266.	1.0	31
2182	Potential Benefits of Soil Microorganisms on Medicinal and Aromatic Plants. ACS Symposium Series, 2016, , 75-90.	0.5	5
2183	BnaABF2, a bZIP transcription factor from rapeseed (<i>Brassica napus</i> L.), enhances drought and salt tolerance in transgenic Arabidopsis. , 2016, 57, 12.		46
2184	Wheat bHLH-type transcription factor gene TabHLH1 is crucial in mediating osmotic stresses tolerance through modulating largely the ABA-associated pathway. Plant Cell Reports, 2016, 35, 2309-2323.	2.8	60
2185	Salinity and osmotic stress trigger different antioxidant responses related to cytosolic ascorbate peroxidase knockdown in rice roots. Environmental and Experimental Botany, 2016, 131, 58-67.	2.0	29
2186	Expression of a grape (<i>Vitis vinifera</i>) bZIP transcription factor, VbZIP36, in Arabidopsis thaliana confers tolerance of drought stress during seed germination and seedling establishment. Plant Science, 2016, 252, 311-323.	1.7	31

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2187	Plant Interactomics Under Salt and Drought Stress. , 2016, , 493-514.		0
2189	Hydrogen sulfide enhances nitric oxide-induced tolerance of hypoxia in maize (<i>Zea mays</i> L.). <i>Plant Cell Reports</i> , 2016, 35, 2325-2340.	2.8	82
2190	Reproductive stage salinity tolerance in rice: a complex trait to phenotype. <i>Indian Journal of Plant Physiology</i> , 2016, 21, 528-536.	0.8	42
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2195	Impact of Salt Stress on Different Varieties of Palmarosa During Seed Germination. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 1025-1030.	0.7	1
2197	Proteomic analysis of JAZ interacting proteins under methyl jasmonate treatment in finger millet. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 79-89.	2.8	20
2200	Survive or die? A molecular insight into salt-dependant signaling network. <i>Environmental and Experimental Botany</i> , 2016, 132, 140-153.	2.0	16
2201	Developing and sustainably utilize the coastal mudflat areas in China. <i>Science of the Total Environment</i> , 2016, 569-570, 1077-1086.	3.9	81
2202	Proteomic analysis of salt and osmotic-drought stress in alfalfa seedlings. <i>Journal of Integrative Agriculture</i> , 2016, 15, 2266-2278.	1.7	41
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2212	GhABF2, a bZIP transcription factor, confers drought and salinity tolerance in cotton (<i>Gossypium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	124
2213	Smart Engineering of Genetic Resources for Enhanced Salinity Tolerance in Crop Plants. <i>Critical Reviews in Plant Sciences</i> , 2016, 35, 146-189.	2.7	227
2214	Cytokinin activity increases stomatal density and transpiration rate in tomato. <i>Journal of Experimental Botany</i> , 2016, 67, 6351-6362.	2.4	78
2215	Water deficit mechanisms in perennial shrubs <i>Cerasus humilis</i> leaves revealed by physiological and proteomic analyses. <i>Proteome Science</i> , 2016, 15, 9.	0.7	16
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2218	Shared and divergent pathways for flower abscission are triggered by gibberellic acid and carbon starvation in seedless <i>Vitis vinifera</i> L. <i>BMC Plant Biology</i> , 2016, 16, 38.	1.6	27
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2221	Identification of novel stress-responsive biomarkers from gene expression datasets in tomato roots. <i>Functional Plant Biology</i> , 2016, 43, 783.	1.1	7
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2225	Changes in the salinity tolerance of sweet pepper plants as affected by nitrogen form and high CO2 concentration. <i>Journal of Plant Physiology</i> , 2016, 200, 18-27.	1.6	32
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2227	A Leucine-Rich Repeat Receptor-like Kinase from the Antarctic Moss <i>Pohlia nutans</i> Confers Salinity and ABA Stress Tolerance. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 1136-1145.	1.0	8

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2229	Involvement of ABA- and H ₂ O ₂ -dependent cytosolic glucose-6-phosphate dehydrogenase in maintaining redox homeostasis in soybean roots under drought stress. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 126-136.	2.8	54
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2243	The regulatory roles of ethylene and reactive oxygen species (ROS) in plant salt stress responses. <i>Plant Molecular Biology</i> , 2016, 91, 651-659.	2.0	217
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2248	Expression of ZmHDZ4, a Maize Homeodomain-Leucine Zipper I Gene, Confers Tolerance to Drought Stress in Transgenic Rice. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 845-853.	1.0	22
2249	Biocontrol potential of <i>Trichoderma harzianum</i> isolate T-alo against <i>Sclerotinia sclerotiorum</i> in soybean. <i>Plant Physiology and Biochemistry</i> , 2016, 100, 64-74.	2.8	102
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2267	Role of abscisic acid (ABA) in activating antioxidant tolerance responses to desiccation stress in intertidal seaweed species. <i>Planta</i> , 2016, 243, 767-781.	1.6	84
2268	Ectopic expression of phloem motor protein pea forisome PsSEO-F1 enhances salinity stress tolerance in tobacco. <i>Plant Cell Reports</i> , 2016, 35, 1021-1041.	2.8	13
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2277	Protective effect of exogenous spermidine on ion and polyamine metabolism in Kentucky bluegrass under salinity stress. <i>Horticulture Environment and Biotechnology</i> , 2016, 57, 11-19.	0.7	17
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2286	K-priming positively modulates growth and nutrient status of salt-stressed cotton (<i>Gossypium) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.3	17
2287	An A20/AN1-type zinc finger protein modulates gibberellins and abscisic acid contents and increases sensitivity to abiotic stress in rice (<i>Oryza sativa</i>). Journal of Experimental Botany, 2016, 67, 315-326.	2.4	75
2288	Overexpression of lycopene β -cyclase gene from lycium chinense confers tolerance to chilling stress in Arabidopsis thaliana. Gene, 2016, 576, 395-403.	1.0	24
2289	Identification of a regulatory element responsible for salt induction of rice OsRAV2 through ex situ and in situ promoter analysis. Plant Molecular Biology, 2016, 90, 49-62.	2.0	135
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2292	Respiratory pathway metabolism and energy metabolism associated with senescence in postharvest Broccoli (<i>Brassica oleracea</i> L. var. italica) florets in response to O ₂ /CO ₂ controlled atmospheres. Postharvest Biology and Technology, 2016, 111, 330-336.	2.9	87
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2304	Differential expression of microRNAs and potential targets under drought stress in barley. <i>Plant, Cell and Environment</i> , 2017, 40, 11-24.	2.8	73
2305	The ethylene response factor OsERF109 negatively affects ethylene biosynthesis and drought tolerance in rice. <i>Protoplasma</i> , 2017, 254, 401-408.	1.0	56
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2307	WD40REPEAT 5a functions in drought stress tolerance by regulating nitric oxide accumulation in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 543-552.	2.8	57
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2310	Nutritional responses of <i>Cordyline fruticosa</i> var. "Red Edge"™ to fertigation with leachates vs. conventional fertigation: Sodium, potassium, calcium and magnesium. <i>Scientia Horticulturae</i> , 2017, 215, 157-163.	1.7	11
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2312	Transcriptome analysis of four poplars exposed to continuous salinity stress. <i>Biochemical Systematics and Ecology</i> , 2017, 70, 311-319.	0.6	4
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2314	<i>Arabidopsis</i> MAPKKK18 positively regulates drought stress resistance via downstream MAPKK3. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 292-297.	1.0	85
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2319	Regulation of plants metabolism in response to salt stress: an omics approach. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	22

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2321	Effect of Zinc and Copper Nanoparticles on Drought Resistance of Wheat Seedlings. <i>Nanoscale Research Letters</i> , 2017, 12, 60.	3.1	193
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2347	Effects of PEG-induced drought stress on regulation of indole alkaloid biosynthesis in <i>Catharanthus roseus</i> . <i>Journal of Plant Interactions</i> , 2017, 12, 87-91.	1.0	34
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2359	Transcriptome analysis of drought-responsive genes regulated by hydrogen sulfide in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 1.0 72 /Ov	1.0	72
2360	A β -carotene desaturase gene, lbZDS, increases β -carotene and lutein contents and enhances salt tolerance in transgenic sweetpotato. <i>Plant Science</i> , 2017, 262, 39-51.	1.7	64
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2374	Physiological responses of <i>Scaevola aemula</i> seedlings under high temperature stress. <i>South African Journal of Botany</i> , 2017, 112, 203-209.	1.2	12
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2378	Comprehensive analysis of differentially expressed genes under salt stress in pear (<i>Pyrus betulaefolia</i>) using RNA-Seq. <i>Plant Growth Regulation</i> , 2017, 82, 409-420.	1.8	13
2385	Visualisation of abscisic acid and 12-oxo-phytodienoic acid in immature <i>Phaseolus vulgaris</i> L. seeds using desorption electrospray ionisation-imaging mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 42977.	1.6	33
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2395	Reactive oxygen species signaling and stomatal movement: Current updates and future perspectives. <i>Redox Biology</i> , 2017, 11, 213-218.	3.9	126
2396	Drought tolerance in four-day-old seedlings of a drought-sensitive cultivar of wheat. <i>Journal of Plant Nutrition</i> , 2017, 40, 574-583.	0.9	9
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2398	The multifaceted roles of NUCLEAR FACTOR-Y in <i>Arabidopsis thaliana</i> development and stress responses. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 636-644.	0.9	51
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2401	Far infrared imaging, an effective way to screen maize seedling mutants for drought stress response. <i>Biologia (Poland)</i> , 2017, 72, 1010-1016.	0.8	2
2402	Combining chemical and genetic approaches to increase drought resistance in plants. <i>Nature Communications</i> , 2017, 8, 1183.	5.8	108
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2405	Recurrent water deficit causes epigenetic and hormonal changes in citrus plants. <i>Scientific Reports</i> , 2017, 7, 13684.	1.6	62
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2410	Biotic factors that induce the tomato <i>Ve1</i> R-gene. <i>Plant Science</i> , 2017, 265, 61-69.	1.7	12
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2416	MAPK kinase 10.2 promotes disease resistance and drought tolerance by activating different MAPKs in rice. <i>Plant Journal</i> , 2017, 92, 557-570.	2.8	122
2417	Ectopic expression of cucumber (<i>Cucumis sativus</i> L.) <i>CsTIR/AFB</i> genes enhance salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 107-118.	1.2	4

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2419	iTRAQ and virus-induced gene silencing revealed three proteins involved in cold response in bread wheat. <i>Scientific Reports</i> , 2017, 7, 7524.	1.6	29
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2424	Overexpression of annexin gene AnnSp2, enhances drought and salt tolerance through modulation of ABA synthesis and scavenging ROS in tomato. <i>Scientific Reports</i> , 2017, 7, 12087.	1.6	97
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2431	Regulation of cotton (<i>Gossypium hirsutum</i>) drought responses by mitogen-activated protein (MAP) kinase cascade-mediated phosphorylation of GhWRKY59. <i>New Phytologist</i> , 2017, 215, 1462-1475.	3.5	91
2432	Soybean plant height QTL mapping and meta-analysis for mining candidate genes. <i>Plant Breeding</i> , 2017, 136, 688-698.	1.0	19
2433	ChIP-Seq Analysis for Identifying Genome-Wide Histone Modifications Associated with Stress-Responsive Genes in Plants. <i>Methods in Molecular Biology</i> , 2017, 1631, 139-149.	0.4	2
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2435	Functional Analysis of Differentially Expressed MicroRNAs Associated with Drought Stress in Diploid and Tetraploid <i>Paulownia fortunei</i> . <i>Plant Molecular Biology Reporter</i> , 2017, 35, 389-398.	1.0	3

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2437	TaPUB1, a Putative E3 Ligase Gene from <i>Wheat</i> , Enhances Salt Stress Tolerance in Transgenic <i>Nicotiana benthamiana</i> . <i>Plant and Cell Physiology</i> , 2017, 58, 1673-1688.	1.5	45
2438	Low-cesium rice: mutation in OsSOS2 reduces radiocesium in rice grains. <i>Scientific Reports</i> , 2017, 7, 2432.	1.6	26
2439	Integrated regulatory network reveals the early salt tolerance mechanism of <i>Populus euphratica</i> . <i>Scientific Reports</i> , 2017, 7, 6769.	1.6	16
2440	Characterization and expression analysis of the WRKY gene family in moso bamboo. <i>Scientific Reports</i> , 2017, 7, 6675.	1.6	42
2442	<i>Populus simonii</i> Æ— <i>Populus nigra</i> WRKY70 is involved in salt stress and leaf blight disease responses. <i>Tree Physiology</i> , 2017, 37, 827-844.	1.4	54
2443	â€Bendingâ€™ models of halotropism: incorporating protein phosphatase 2A, ABCB transporters, and auxin metabolism. <i>Journal of Experimental Botany</i> , 2017, 68, 3071-3089.	2.4	25
2444	ZmFKBP20-1 improves the drought and salt tolerance of transformed <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2017, 60, 558-570.	0.9	6
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2449	ABA-Mediated Drought Stress Resistance in Crops for Sustainable Agriculture. , 2017, , 69-83.		1
2450	Salt stress tolerance; what do we learn from halophytes?. <i>Journal of Plant Biology</i> , 2017, 60, 431-439.	0.9	45
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2453	Physiological processes associated with salinity tolerance in an alfalfa halfâ€™ family. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 506-518.	1.7	23
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2456	<i>Herbaspirillum rubrisubalbicans</i> , a mild pathogen impairs growth of rice by augmenting ethylene levels. <i>Plant Molecular Biology</i> , 2017, 94, 625-640.	2.0	16
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2459	Plant-Microbe Interactions in Adaptation of Agricultural Crops to Abiotic Stress Conditions. , 2017, , 163-200.		91
2460	Identification and expression analysis of the apple (<i>Malus Æ domestica</i>) basic helix-loop-helix transcription factor family. <i>Scientific Reports</i> , 2017, 7, 28.	1.6	43
2461	Transcriptome dynamics of <i>Camellia sinensis</i> in response to continuous salinity and drought stress. <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	0.6	67
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2466	Overexpression of a <i>Populus euphratica</i> CBF4 gene in poplar confers tolerance to multiple stresses. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 391-407.	1.2	19
2467	Genome-wide analysis and environmental response profiling of dirigent family genes in rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.5	29
2468	Mechanisms of plant response to salt and drought stress and their alteration by rhizobacteria. <i>Plant and Soil</i> , 2017, 410, 335-356.	1.8	309
2469	Divergent functions of <i>SNAC4â€“9</i> and possible mechanisms for tomato adaptation to abiotic stresses. <i>Journal of Horticultural Science and Biotechnology</i> , 2017, 92, 11-24.	0.9	4
2470	Experience of inundation or drought alters the responses of plants to subsequent water conditions. <i>Journal of Ecology</i> , 2017, 105, 176-187.	1.9	33
2471	Ectopic expression of wheat expansin gene <i>TaEXPA2</i> improved the salt tolerance of transgenic tobacco by regulating Na⁺/K⁺ and antioxidant competence. <i>Physiologia Plantarum</i> , 2017, 159, 161-177.	2.6	53
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2475	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , 2017, 213, 1346-1362.	3.5	144
2476	Overexpression of <i>PP2A^{C5}</i> that encodes the catalytic subunit 5 of protein phosphatase 2A in <i>Arabidopsis</i> confers better root and shoot development under salt conditions. <i>Plant, Cell and Environment</i> , 2017, 40, 150-164.	2.8	66
2477	Climate Variability Impact on Rice Production: Adaptation and Mitigation Strategies. , 2017, , 91-111.		26
2478	Regulation of mRNA decay in plant responses to salt and osmotic stress. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 1165-1176.	2.4	54
2479	Heterologous expression of a novel <i>Zoysia japonica</i> salt-induced glycine-rich RNA-binding protein gene, ZjGRP, caused salt sensitivity in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2017, 36, 179-191.	2.8	27
2480	Differentially expressed gene analysis of <i>Tamarix chinensis</i> provides insights into NaCl-stress response. <i>Trees - Structure and Function</i> , 2017, 31, 645-658.	0.9	13
2481	Exogenous CaCl ₂ reduces salt stress in sour jujube by reducing Na ⁺ and increasing K ⁺ , Ca ²⁺ , and Mg ²⁺ in different plant organs. <i>Journal of Horticultural Science and Biotechnology</i> , 2017, 92, 98-106.	0.9	12
2482	Cytogenetic effect of prolonged in vitro exposure of <i>Allium cepa</i> L. root meristem cells to salt stress. <i>Cytology and Genetics</i> , 2017, 51, 478-484.	0.2	6
2483	Effect of nano-silver particles on saffron corm treated with NaCl. <i>Acta Horticulturae</i> , 2017, , 195-210.	0.1	0
2484	Genomics Resources for Abiotic Stress Tolerance in Solanaceae Crops. <i>Compendium of Plant Genomes</i> , 2017, , 195-216.	0.3	1
2485	Plant Growth Under Stress Conditions: Boon or Bane. , 2017, , 291-313.		2
2486	Biochemical and Molecular Responses in Higher Plants Under Salt Stress. , 2017, , 117-151.		1
2487	Chickpea WRKY70 Regulates the Expression of a Homeodomain-Leucine Zipper (HD-Zip) I Transcription Factor CaHDZ12, which Confers Abiotic Stress Tolerance in Transgenic Tobacco and Chickpea. <i>Plant and Cell Physiology</i> , 2017, 58, 1934-1952.	1.5	46
2488	Priming: A promising strategy for crop production in response to future climate. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2709-2716.	1.7	82
2489	The JASMONATE ZIM-Domain Gene Family Mediates JA Signaling and Stress Response in Cotton. <i>Plant and Cell Physiology</i> , 2017, 58, 2139-2154.	1.5	70
2490	Discovery of small RNAs in wheat: a survey. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 411-421.	0.8	2

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2492	Transcriptomic and metabolic responses of <i>Calotropis procera</i> to salt and drought stress. <i>BMC Plant Biology</i> , 2017, 17, 231.	1.6	30
2493	A novel wheat cysteine-rich receptor-like kinase gene CRK41 is involved in the regulation of seed germination under osmotic stress in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Biology</i> , 2017, 60, 571-581.	0.9	8
2494	The 2â€²-O-methyladenosine nucleoside modification gene OsTRM13 positively regulates salt stress tolerance in rice. <i>Journal of Experimental Botany</i> , 2017, 68, 1479-1491.	2.4	31
2495	Cross-tolerance to Thermal Stresses and its Application to the Development of Cold Tolerant Rice. <i>Japan Agricultural Research Quarterly</i> , 2017, 51, 99-105.	0.1	8
2496	The Amino Acid Metabolic and Carbohydrate Metabolic Pathway Play Important Roles during Salt-Stress Response in Tomato. <i>Frontiers in Plant Science</i> , 2017, 8, 1231.	1.7	93
2497	Overexpression of a Plasma Membrane Bound Na ⁺ /H ⁺ Antiporter-Like Protein (SbNHXLP) Confers Salt Tolerance and Improves Fruit Yield in Tomato by Maintaining Ion Homeostasis. <i>Frontiers in Plant Science</i> , 2016, 7, 2027.	1.7	30
2498	Abscisic Acid Signaling and Abiotic Stress Tolerance in Plants: A Review on Current Knowledge and Future Prospects. <i>Frontiers in Plant Science</i> , 2017, 08, 161.	1.7	825
2499	Molecular and Functional Characterization of Wheat ARGOS Genes Influencing Plant Growth and Stress Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 170.	1.7	20
2500	The Combination of <i>Trichoderma harzianum</i> and Chemical Fertilization Leads to the Deregulation of Phytohormone Networking, Preventing the Adaptive Responses of Tomato Plants to Salt Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 294.	1.7	86
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2502	Effect of HbDHN1 and HbDHN2 Genes on Abiotic Stress Responses in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 470.	1.7	30
2503	The Translation Initiation Factor 1A (TheIF1A) from <i>Tamarix hispida</i> Is Regulated by a Dof Transcription Factor and Increased Abiotic Stress Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 513.	1.7	17
2504	Transcriptomics Analyses Reveal Wheat Responses to Drought Stress during Reproductive Stages under Field Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 592.	1.7	93
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2506	The Pepper RING Finger E3 Ligase, CaDIR1, Regulates the Drought Stress Response via ABA-Mediated Signaling. <i>Frontiers in Plant Science</i> , 2017, 8, 690.	1.7	16
2507	Reference Gene Selection for qRT-PCR Normalization Analysis in kenaf (<i>Hibiscus cannabinus</i> L.) under Abiotic Stress and Hormonal Stimuli. <i>Frontiers in Plant Science</i> , 2017, 8, 771.	1.7	29
2508	Comparative Physiological and Molecular Analyses of Two Contrasting Flue-Cured Tobacco Genotypes under Progressive Drought Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 827.	1.7	42
2509	Identification of Important Physiological Traits and Moderators That Are Associated with Improved Salt Tolerance in CBL and CIPK Overexpressors through a Meta-Analysis. <i>Frontiers in Plant Science</i> , 2017, 8, 856.	1.7	6

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2511	Recognition of <i>Orobanche cumana</i> Below-Ground Parasitism Through Physiological and Hyper Spectral Measurements in Sunflower (<i>Helianthus annuus</i> L.). <i>Frontiers in Plant Science</i> , 2017, 8, 909.	1.7	16
2512	Elicitor-Induced Biochemical and Molecular Manifestations to Improve Drought Tolerance in Rice (<i>Oryza sativa</i> L.) through Seed-Priming. <i>Frontiers in Plant Science</i> , 2017, 8, 934.	1.7	59
2513	Interplay between Carotenoids, Abscisic Acid and Jasmonate Guides the Compatible Rice-Meloidogyne graminicola Interaction. <i>Frontiers in Plant Science</i> , 2017, 8, 951.	1.7	58
2514	Generation, Annotation, and Analysis of a Large-Scale Expressed Sequence Tag Library from <i>Arabidopsis pumila</i> to Explore Salt-Responsive Genes. <i>Frontiers in Plant Science</i> , 2017, 8, 955.	1.7	16
2515	Overexpression of the PeaT1 Elicitor Gene from <i>Alternaria tenuissima</i> Improves Drought Tolerance in Rice Plants via Interaction with a Myo-Inositol Oxygenase. <i>Frontiers in Plant Science</i> , 2017, 8, 970.	1.7	19
2516	A Novel NAC Transcription Factor, PbeNAC1, of <i>Pyrus betulifolia</i> Confers Cold and Drought Tolerance via Interacting with PbeDREBs and Activating the Expression of Stress-Responsive Genes. <i>Frontiers in Plant Science</i> , 2017, 8, 1049.	1.7	95
2517	Sugarcane Water Stress Tolerance Mechanisms and Its Implications on Developing Biotechnology Solutions. <i>Frontiers in Plant Science</i> , 2017, 8, 1077.	1.7	131
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2519	Global Gene Expression Analysis Reveals Crosstalk between Response Mechanisms to Cold and Drought Stresses in Cassava Seedlings. <i>Frontiers in Plant Science</i> , 2017, 8, 1259.	1.7	37
2520	Salt Stress Represses Soybean Seed Germination by Negatively Regulating GA Biosynthesis While Positively Mediating ABA Biosynthesis. <i>Frontiers in Plant Science</i> , 2017, 8, 1372.	1.7	115
2521	Functional Analysis of the Pepper Ethylene-Responsive Transcription Factor, CaAIEF1, in Enhanced ABA Sensitivity and Drought Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 1407.	1.7	26
2522	Activation of ABA Receptors Gene GhPYL9-11A Is Positively Correlated with Cotton Drought Tolerance in Transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1453.	1.7	38
2523	Autophagy Is Rapidly Induced by Salt Stress and Is Required for Salt Tolerance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1459.	1.7	102
2524	PEG Induces High Expression of the Cell Cycle Checkpoint Gene WEE1 in Embryogenic Callus of <i>Medicago truncatula</i> : Potential Link between Cell Cycle Checkpoint Regulation and Osmotic Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1479.	1.7	34
2525	Functional Analysis and Marker Development of TaCRT-D Gene in Common Wheat (<i>Triticum aestivum</i> L.). <i>Frontiers in Plant Science</i> , 2017, 8, 1557.	1.7	6
2526	Phosphorous Application Improves Drought Tolerance of <i>Phoebe zhennan</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1561.	1.7	79
2527	Overexpression of SlGRAS40 in Tomato Enhances Tolerance to Abiotic Stresses and Influences Auxin and Gibberellin Signaling. <i>Frontiers in Plant Science</i> , 2017, 8, 1659.	1.7	67

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2528	Kunitz Proteinase Inhibitors Limit Water Stress Responses in White Clover (<i>Trifolium repens</i> L.) Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1683.	1.7	16
2529	Dancing with Hormones: A Current Perspective of Nitrate Signaling and Regulation in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1697.	1.7	85
2530	Overexpression of Pyrabactin Resistance-Like Abscisic Acid Receptors Enhances Drought, Osmotic, and Cold Tolerance in Transgenic Poplars. <i>Frontiers in Plant Science</i> , 2017, 8, 1752.	1.7	57
2531	Plant Growth Promoting Rhizobacteria in Amelioration of Salinity Stress: A Systems Biology Perspective. <i>Frontiers in Plant Science</i> , 2017, 8, 1768.	1.7	390
2532	OsHAK1, a High-Affinity Potassium Transporter, Positively Regulates Responses to Drought Stress in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1885.	1.7	83
2533	Abiotic Stress Phenotypes Are Associated with Conserved Genes Derived from Transposable Elements. <i>Frontiers in Plant Science</i> , 2017, 8, 2027.	1.7	37
2534	Exogenous Calcium Enhances the Photosystem II Photochemistry Response in Salt Stressed Tall Fescue. <i>Frontiers in Plant Science</i> , 2017, 8, 2032.	1.7	21
2535	Phytohormone Interaction Modulating Fruit Responses to Photooxidative and Heat Stress on Apple (<i>Malus domestica</i> Borkh.). <i>Frontiers in Plant Science</i> , 2017, 8, 2129.	1.7	42
2536	Response of proline accumulation in bread wheat (<i>Triticum aestivum</i> L.) under rainfed conditions. <i>J Agricultural Meteorology</i> , 2017, 73, 147-155.	0.8	14
2537	Auxin and Trinexapacetyl Impact on Root Viability and Hormone Metabolism in Creeping Bentgrass under Water Deficit. <i>Crop Science</i> , 2017, 57, S-130.	0.8	3
2538	A Salt Overly Sensitive Pathway Member from <i>Brassica juncea</i> BjsOS3 Can Functionally Complement <i>AtSOS3</i> in Arabidopsis. <i>Current Genomics</i> , 2017, 19, 60-69.	0.7	17
2539	De Novo Transcriptome Characterization, Gene Expression Profiling and Ionic Responses of <i>Nitraria sibirica</i> Pall. under Salt Stress. <i>Forests</i> , 2017, 8, 211.	0.9	12
2540	De Novo Assembly and Analysis of Tartary Buckwheat (<i>Fagopyrum tataricum</i> Garetn.) Transcriptome Discloses Key Regulators Involved in Salt-Stress Response. <i>Genes</i> , 2017, 8, 255.	1.0	42
2541	Tissue-Specific Transcriptome Analysis Reveals Multiple Responses to Salt Stress in <i>Populus euphratica</i> Seedlings. <i>Genes</i> , 2017, 8, 372.	1.0	27
2542	Alternative Splicing in Plant Genes: A Means of Regulating the Environmental Fitness of Plants. <i>International Journal of Molecular Sciences</i> , 2017, 18, 432.	1.8	159
2543	Oxidative Stress Associated with Chilling Injury in Immature Fruit: Postharvest Technological and Biotechnological Solutions. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1467.	1.8	105
2544	Improved Drought Stress Response in Alfalfa Plants Nodulated by an IAA Over-producing Rhizobium Strain. <i>Frontiers in Microbiology</i> , 2017, 8, 2466.	1.5	70
2545	Dendritic Actin Cytoskeleton: Structure, Functions, and Regulations. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 147.	1.8	133

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2548	PnLRR-RLK27, a novel leucine-rich repeats receptor-like protein kinase from the Antarctic moss <i>Pohlia nutans</i> , positively regulates salinity and oxidation-stress tolerance. PLoS ONE, 2017, 12, e0172869.	1.1	33
2549	Salt stress responsiveness of a wild cotton species (<i>Gossypium klotzschianum</i>) based on transcriptomic analysis. PLoS ONE, 2017, 12, e0178313.	1.1	54
2550	Recent Advances in Substrate Identification of Protein Kinases in Plants and Their Role in Stress Management. Current Genomics, 2017, 18, 523-541.	0.7	3
2551	Transcriptomic analysis of salt stress responsive genes in <i>Rhazya stricta</i> . PLoS ONE, 2017, 12, e0177589.	1.1	27
2552	RiceMetaSys for salt and drought stress responsive genes in rice: a web interface for crop improvement. BMC Bioinformatics, 2017, 18, 432.	1.2	34
2553	Characterization of the BETA1 gene, which might play a role in <i>Beta vulgaris</i> subsp. <i>maritima</i> salt tolerance. Turkish Journal of Botany, 2017, 41, 552-558.	0.5	1
2554	Oversensitivity of <i>Arabidopsis</i> <i>gad1/2</i> mutant to NaCl treatment reveals the importance of GABA in salt stress responses. African Journal of Plant Science, 2017, 11, 252-263.	0.4	7
2555	Functional Fruits Through Metabolic Engineering. , 2017, , .		1
2556	Transcriptomic profiling of genes in matured dimorphic seeds of euhalophyte <i>Suaeda salsa</i> . BMC Genomics, 2017, 18, 727.	1.2	27
2557	Effects of Tillage and Irrigation Management on Sugarbeet Production. Agronomy Journal, 2017, 109, 2396-2406.	0.9	10
2558	Drought Stress Tolerance in Wheat: Omics Approaches in Understanding and Enhancing Antioxidant Defense. , 2018, , 267-307.		21
2559	Cross Talk Between Phytohormone Signaling Pathways Under Abiotic Stress Conditions and Their Metabolic Engineering for Conferring Abiotic Stress Tolerance. , 2018, , 329-350.		9
2560	Second Messengers: Central Regulators in Plant Abiotic Stress Response. , 2018, , 47-94.		10
2561	Deciphering drought-induced metabolic responses and regulation in developing maize kernels. Plant Biotechnology Journal, 2018, 16, 1616-1628.	4.1	70
2562	Plant Physiology: FERONIA Defends the Cell Walls against Corrosion. Current Biology, 2018, 28, R215-R217.	1.8	9
2563	Communication Within Plant Cells. Plant Cell Monographs, 2018, , 205-219.	0.4	0

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2565	Desi chickpea genotypes tolerate drought stress better than kabuli types by modulating germination metabolism, trehalose accumulation, and carbon assimilation. <i>Plant Physiology and Biochemistry</i> , 2018, 126, 47-54.	2.8	48
2566	Concepts in Cell Biology - History and Evolution. <i>Plant Cell Monographs</i> , 2018, , .	0.4	0
2567	Sleep: Eye-Opener Highlights Sleep's Organization. <i>Current Biology</i> , 2018, 28, R217-R220.	1.8	1
2568	Transcriptome analysis of flax (<i>Linum usitatissimum</i> L.) undergoing osmotic stress. <i>Industrial Crops and Products</i> , 2018, 116, 215-223.	2.5	22
2569	Physiological and growth responses of <i>Calendula officinalis</i> L. plants to the interaction effects of polyamines and salt stress. <i>Scientia Horticulturae</i> , 2018, 234, 312-317.	1.7	72
2570	Effect of deficit irrigation on drip-irrigated wheat grown in semi-arid conditions of Upper Egypt. <i>Journal of Plant Nutrition</i> , 2018, 41, 1576-1586.	0.9	15
2571	A WRKY transcription factor, PcWRKY33, from <i>Polygonum cuspidatum</i> reduces salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2018, 37, 1033-1048.	2.8	44
2572	Q&A: How do gene regulatory networks control environmental responses in plants?. <i>BMC Biology</i> , 2018, 16, 38.	1.7	15
2573	Overexpression of Zm-HINT1 Confers Salt and Drought Tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology Reporter</i> , 2018, 36, 310-325.	1.0	1
2574	Transcriptomic identification of salt-related genes and de novo assembly in common buckwheat (<i>F. t. tetragynum</i>). <i>Plant Physiology</i> , 2018, 174, 1000-1011.	2.8	11
2575	Expression of TaGF14b, a 14-3-3 adaptor protein gene from wheat, enhances drought and salt tolerance in transgenic tobacco. <i>Planta</i> , 2018, 248, 117-137.	1.6	41
2576	An Overview of the Genetics of Plant Response to Salt Stress: Present Status and the Way Forward. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 306-334.	1.4	62
2577	Effects of sodium chloride salinity on ecophysiological and biochemical parameters of oak seedlings (<i>Quercus robur</i> L.) from use of de-icing salts for winter road maintenance. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 266.	1.3	10
2578	Oxidative and genotoxic damages in plants in response to heavy metal stress and maintenance of genome stability. <i>Plant Signaling and Behavior</i> , 2018, 13, 1-49.	1.2	81
2579	A DEAD-box RNA helicase, RH8, is critical for regulation of ABA signalling and the drought stress response via inhibition of PP2CA activity. <i>Plant, Cell and Environment</i> , 2018, 41, 1593-1604.	2.8	45
2580	Salinity stress on various physiological and biochemical attributes of two distinct maize (<i>Zea mays</i> L.) genotypes. <i>Plant Physiology</i> , 2018, 174, 1000-1011.	0.9	29
2581	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants. <i>Journal of Plant Physiology</i> , 2018, , 85-136.		52

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2583	A novel gene of <i>Kalanchoe daigremontiana</i> confers plant drought resistance. <i>Scientific Reports</i> , 2018, 8, 2547.	1.6	7
2584	Glutamate Receptor Homolog3.4 is Involved in Regulation of Seed Germination Under Salt Stress in Arabidopsis. <i>Plant and Cell Physiology</i> , 2018, 59, 978-988.	1.5	52
2585	Overexpression of ALTMP2 gene from the halophyte grass <i>Aeluropus litoralis</i> in transgenic tobacco enhances tolerance to different abiotic stresses by improving membrane stability and deregulating some stress-related genes. <i>Protoplasma</i> , 2018, 255, 1161-1177.	1.0	24
2586	Functional analysis of a type 2C protein phosphatase gene from <i>Ammopiptanthus mongolicus</i> . <i>Gene</i> , 2018, 653, 29-42.	1.0	5
2587	OsERF71 confers drought tolerance via modulating ABA signaling and proline biosynthesis. <i>Plant Science</i> , 2018, 270, 131-139.	1.7	78
2588	The Gene Network That Regulates Salt Tolerance in Rice. , 2018, , 297-316.		1
2589	Co-expression of AtNHX1 and TsVP improves the salt tolerance of transgenic cotton and increases seed cotton yield in a saline field. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	17
2590	Comparative analysis of DNA methylation changes in two contrasting wheat genotypes under water deficit. <i>Biologia Plantarum</i> , 2018, 62, 471-478.	1.9	14
2591	Orange: a target gene for regulating carotenoid homeostasis and increasing plant tolerance to environmental stress in marginal lands. <i>Journal of Experimental Botany</i> , 2018, 69, 3393-3400.	2.4	63
2592	Plasma membrane proteome analysis identifies a role of barley membrane steroid binding protein in root architecture response to salinity. <i>Plant, Cell and Environment</i> , 2018, 41, 1311-1330.	2.8	36
2593	Small rubber particle proteins from <i>Taraxacum brevicorniculatum</i> promote stress tolerance and influence the size and distribution of lipid droplets and artificial poly(<i>cis</i> -1,4-isoprene) bodies. <i>Plant Journal</i> , 2018, 93, 1045-1061.	2.8	25
2594	Silicon promotes growth and root yield of <i>Glycyrrhiza uralensis</i> under salt and drought stresses through enhancing osmotic adjustment and regulating antioxidant metabolism. <i>Crop Protection</i> , 2018, 107, 1-11.	1.0	60
2595	Interaction network of core ABA signaling components in maize. <i>Plant Molecular Biology</i> , 2018, 96, 245-263.	2.0	51
2596	Characterization and expression patterns of a cinnamate-4-hydroxylase gene involved in lignin biosynthesis and in response to various stresses and hormonal treatments in <i>Ginkgo biloba</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	24
2597	A Negative Regulator in Response to Salinity in Rice: <i>Oryza sativa</i> Salt-, ABA- and Drought-Induced RING Finger Protein 1 (OsSADR1). <i>Plant and Cell Physiology</i> , 2018, 59, 575-589.	1.5	47
2598	Methyl jasmonate effects on volatile oil compounds and antioxidant activity of leaf extract of two basil cultivars under salinity stress. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	44
2599	Characterization of the rubber tree metallothionein family reveals a role in mitigating the effects of reactive oxygen species associated with physiological stress. <i>Tree Physiology</i> , 2018, 38, 911-924.	1.4	15

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2601	CsATAF1 Positively Regulates Drought Stress Tolerance by an ABA-Dependent Pathway and by Promoting ROS Scavenging in Cucumber. <i>Plant and Cell Physiology</i> , 2018, 59, 930-945.	1.5	74
2602	Harnessing the Plant Microbiome for Improved Abiotic Stress Tolerance. <i>Microorganisms for Sustainability</i> , 2018, , 21-43.	0.4	35
2603	Drought stress impact on leaf proteome variations of faba bean (<i>Vicia faba</i> L.) in the Qinghaiâ€“Tibet Plateau of China. <i>3 Biotech</i> , 2018, 8, 110.	1.1	33
2604	Overexpression of <i>Fagopyrum tataricum</i> FtbHLLH2 enhances tolerance to cold stress in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 125, 85-94.	2.8	62
2605	Induction of abiotic stress tolerance in plants by endophytic microbes. <i>Letters in Applied Microbiology</i> , 2018, 66, 268-276.	1.0	360
2606	Exploring the role of Inositol 1,3,4-trisphosphate 5/6 kinase-2 (GmlTPK2) as a dehydration and salinity stress regulator in <i>Glycine max</i> (L.) Merr. through heterologous expression in <i>E. coli</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 123, 331-341.	2.8	16
2607	Ionic, metabolomic and proteomic analyses reveal molecular mechanisms of root adaption to salt stress in Tibetan wild barley. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 319-330.	2.8	55
2608	Abscisic Acid Signaling Inhibits Brassinosteroid Signaling through Dampening the Dephosphorylation of BIN2 by ABI1 and ABI2. <i>Molecular Plant</i> , 2018, 11, 315-325.	3.9	160
2609	Genome-wide identification of PHD-finger genes and expression pattern analysis under various treatments in moso bamboo (<i>Phyllostachys edulis</i>). <i>Plant Physiology and Biochemistry</i> , 2018, 123, 378-391.	2.8	41
2610	The sHSP22 Heat Shock Protein Requires the ABI1 Protein Phosphatase to Modulate Polar Auxin Transport and Downstream Responses. <i>Plant Physiology</i> , 2018, 176, 2406-2425.	2.3	39
2611	Enhanced multiple stress tolerance in <i>Arabidopsis</i> by overexpression of the polar moss peptidyl prolyl isomerase FKBP12 gene. <i>Plant Cell Reports</i> , 2018, 37, 453-465.	2.8	37
2612	Ameliorative effects of <i>Trichoderma harzianum</i> on monocot crops under hydroponic saline environment. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	26
2613	Quantitative trait locus mapping of drought and salt tolerance in an introgressed recombinant inbred line population of Upland cotton under the greenhouse and field conditions. <i>Euphytica</i> , 2018, 214, 1.	0.6	38
2614	Yield production functions of irrigated sugarbeet in an arid climate. <i>Agricultural Water Management</i> , 2018, 200, 1-9.	2.4	12
2615	Transcriptomic analysis reveals the molecular mechanisms of <i>Camellia sinensis</i> in response to salt stress. <i>Plant Growth Regulation</i> , 2018, 84, 481-492.	1.8	54
2616	NaCl-induced expression of <i>AtVHA-c5</i> gene in the roots plays a role in response of <i>Arabidopsis</i> to salt stress. <i>Plant Cell Reports</i> , 2018, 37, 443-452.	2.8	23
2617	Novel biotin linker with alkyne and amino groups for chemical labelling of a target protein of a bioactive small molecule. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 783-786.	1.0	6

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2619	Identification of differentially expressed genes in two grape varieties cultivated in semi-arid and temperate regions from West-Bank, Palestine. <i>Agri Gene</i> , 2018, 7, 34-42.	1.9	6
2620	A salinity-tolerant japonica cultivar has Na ⁺ exclusion mechanism at leaf sheaths through the function of a Na ⁺ transporter OsHKT1;4 under salinity stress. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 274-284.	1.7	36
2621	bZIP17 regulates the expression of genes related to seed storage and germination, reducing seed susceptibility to osmotic stress. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6857-6868.	1.2	16
2622	Comparative analysis of root transcriptome profiles between drought-tolerant and susceptible wheat genotypes in response to water stress. <i>Plant Science</i> , 2018, 272, 276-293.	1.7	73
2623	Comparative analysis of alfalfa (<i>Medicago sativa</i> L.) leaf transcriptomes reveals genotype-specific salt tolerance mechanisms. <i>BMC Plant Biology</i> , 2018, 18, 35.	1.6	93
2624	Predicting the distribution of <i>Stipa purpurea</i> across the Tibetan Plateau via the MaxEnt model. <i>BMC Ecology</i> , 2018, 18, 10.	3.0	106
2625	Transcriptome Analysis of the Heritable Salt Tolerance of Prairie Cordgrass (<i>Spartina pectinata</i> Link). <i>Bioenergy Research</i> , 2018, 11, 106-114.	2.2	0
2626	De novo transcriptome assembly and identification of salt-responsive genes in sugar beet M14. <i>Computational Biology and Chemistry</i> , 2018, 75, 1-10.	1.1	21
2627	Bioprotection of Soybean Plants from Drought Stress by Application of Bacterial and Fungal Endophytes. <i>Soil Biology</i> , 2018, , 281-301.	0.6	1
2628	Cellular mechanisms to survive salt in the halophyte <i>Cakile maritima</i> . <i>Plant Science</i> , 2018, 272, 173-178.	1.7	12
2629	Genomic adaptation to drought in wild barley is driven by edaphic natural selection at the Tabigha Evolution Slope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5223-5228.	3.3	64
2630	Isolation and expression analysis of Cu/Zn superoxide dismutase genes in sugarcane and the wild species <i>Saccharum arundinaceus</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 41-48.	0.5	2
2631	Construction of a network describing asparagine metabolism in plants and its application to the identification of genes affecting asparagine metabolism in wheat under drought and nutritional stress. <i>Food and Energy Security</i> , 2018, 7, e00126.	2.0	56
2632	Effects of enhanced ultraviolet-B radiation, water deficit, and their combination on UV-absorbing compounds and osmotic adjustment substances in two different moss species. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14953-14963.	2.7	14
2633	Use of plant growth promoting rhizobacteria (PGPRs) with multiple plant growth promoting traits in stress agriculture: Action mechanisms and future prospects. <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 225-246.	2.9	529
2634	BPH1, a novel substrate receptor of CRL3, plays a repressive role in ABA signal transduction. <i>Plant Molecular Biology</i> , 2018, 96, 593-606.	2.0	7
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2637	Influence of foliar application of polyamines on growth, gas-exchange characteristics, and chlorophyll fluorescence in Bakraii citrus under saline conditions. <i>Photosynthetica</i> , 2018, 56, 731-742.	0.9	46
2638	Characterization and comparative expression analysis of CUL1 genes in rice. <i>Genes and Genomics</i> , 2018, 40, 233-241.	0.5	5
2639	Growth, physiological status, and yield of salt-stressed wheat (<i>Triticum aestivum</i> L.) plants affected by biofertilizer and cycocel applications. <i>Arid Land Research and Management</i> , 2018, 32, 71-90.	0.6	19
2640	Stress2TF: a manually curated database of TF regulation in plant response to stress. <i>Gene</i> , 2018, 638, 36-40.	1.0	8
2641	How can salicylic acid and jasmonic acid mitigate salt toxicity in soybean plants?. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 1010-1016.	2.9	158
2642	OsASR2 regulates the expression of a defence-related gene, Os2H16, by targeting the <sc>GT</sc> element. <i>Plant Biotechnology Journal</i> , 2018, 16, 771-783.	4.1	62
2643	Functional dissection and transport mechanism of magnesium in plants. <i>Seminars in Cell and Developmental Biology</i> , 2018, 74, 142-152.	2.3	133
2644	Red and Blue Light Emitting Diodes (LEDs) Participate in Mitigation of Hyperhydricity in In Vitro-Grown Carnation Genotypes (<i>Dianthus Caryophyllus</i>). <i>Journal of Plant Growth Regulation</i> , 2018, 37, 370-379.	2.8	25
2645	Overexpression of the maize E3 ubiquitin ligase gene ZmAIRP4 enhances drought stress tolerance in Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 34-42.	2.8	37
2646	Physiological and biochemical changes in <i>Periploca angustifolia</i> plants under withholding irrigation and rewatering conditions. <i>South African Journal of Botany</i> , 2018, 114, 241-249.	1.2	13
2647	Ectopic expression of <i>Limonium bicolor</i> (Bag.) Kuntze DREB (LbDREB) results in enhanced salt stress tolerance of transgenic <i>Populus ussuriensis</i> Kom. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 132, 123-136.	1.2	17
2648	The pepper dehydration-responsive homeobox 1, CaDRHB1, plays a positive role in the dehydration response. <i>Environmental and Experimental Botany</i> , 2018, 147, 104-115.	2.0	10
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2651	Over-expression of a grape WRKY transcription factor gene, VWRKY48, in Arabidopsis thaliana increases disease resistance and drought stress tolerance. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 132, 359-370.	1.2	37
2652	Can interaction between silicon and plant growth promoting rhizobacteria benefit in alleviating abiotic and biotic stresses in crop plants?. <i>Agriculture, Ecosystems and Environment</i> , 2018, 253, 98-112.	2.5	130
2653	<sc>RNA</sc>Seq of <i>Agropyron mongolicum</i> Keng in response to drought stress. <i>Grassland Science</i> , 2018, 64, 3-15.	0.6	4

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2655	Protein degradation mechanisms modulate abscisic acid signaling and responses during abiotic stress. <i>Plant Science</i> , 2018, 267, 48-54.	1.7	18
2656	Environmental sensing and morphological plasticity in plants. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 69-77.	2.3	26
2657	Identification of phosphorylation proteins in response to water deficit during wheat flag leaf and grain development. , 2018, 59, 28.		18
2658	OsHKT1;3 gene sequence polymorphisms and expression profile in rice (<i>Oryza sativa</i> L.). <i>African Journal of Agricultural Research Vol Pp</i> , 2018, 13, 2659-2667.	0.2	2
2659	Identification and characterization of a novel abiotic stress responsive OsTHIC gene from rice. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 874-880.	0.5	3
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2664	Two lncRNAs Expression Profiles in Salt Stressed Barley (<i>Hordeum vulgare</i> L.) Roots. <i>Cytologia</i> , 2018, 83, 37-43.	0.2	11
2665	Role of Osmolytes and Antioxidant Enzymes for Drought Tolerance in Wheat. , 0, , .		17
2666	Gas exchange and water relations of young potted loquat cv. Algeria under progressive drought conditions. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1360-1368.	1.7	4
2670	Assessment of groundwater quality for drinking and irrigation purposes in arid areas of Rajasthan, India. <i>Applied Water Science</i> , 2018, 8, 1.	2.8	48
2671	Label-free quantitative proteomic analysis revealed a positive effect of ectopic over-expression of PeaT1 from <i>Alternaria tenuissima</i> on rice (<i>Oryza sativa</i>) response to drought. <i>3 Biotech</i> , 2018, 8, 480.	1.1	4
2672	Role of Ca ²⁺ in Mediating Plant Responses to Extracellular ATP and ADP. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3590.	1.8	25
2673	Development and Application of Genetic Engineering for Wheat Improvement. <i>Critical Reviews in Plant Sciences</i> , 2018, 37, 335-421.	2.7	26
2674	<i>Picea wilsonii</i> transcription factor NAC2 enhanced plant tolerance to abiotic stress and participated in RFCP1-regulated flowering time. <i>Plant Molecular Biology</i> , 2018, 98, 471-493.	2.0	18
2675	Molecular Dynamics Simulations Reveal Differentiated Context-Dependent Conformational Dynamics of Two Proteins of the Same Family. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10686-10699.	1.2	0
2676	Comparative transcriptome analysis reveals that photosynthesis contributes to drought tolerance of <i>Nostoc flagelliforme</i> (Nostocales, Cyanobacteria). <i>Phycologia</i> , 2018, 57, 113-120.	0.6	15

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2678	Root Abscisic Acid Contributes to Defending Photoinhibition in Jerusalem Artichoke (Helianthus Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.8	15
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2686	Genotype×Environment interactions of Nagina22 rice mutants for yield traits under low phosphorus, water limited and normal irrigated conditions. Scientific Reports, 2018, 8, 15530.	1.6	15
2687	Comparative proteomic investigation of drought responses in foxtail millet. BMC Plant Biology, 2018, 18, 315.	1.6	59
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2690	The Protective Effect of Exogenous Putrescine in the Response of Tea Plants (Camellia sinensis) to Salt Stress. Hortscience: A Publication of the American Society for Horticultural Science, 2018, 53, 1640-1646.	0.5	22
2691	OsDIRP1, a Putative RING E3 Ligase, Plays an Opposite Role in Drought and Cold Stress Responses as a Negative and Positive Factor, Respectively, in Rice (Oryza sativa L.). Frontiers in Plant Science, 2018, 9, 1797.	1.7	22
2692	Genome-wide characterization of protein phosphatase 2C genes in Populus euphratica and their expression profiling under multiple abiotic stresses. Tree Genetics and Genomes, 2018, 14, 1.	0.6	7
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2698	The effects of salinity on growth and survival of mangrove seedlings changes with age. <i>Acta Botanica Brasilica</i> , 2018, 32, 37-46.	0.8	63
2699	Can WRKY transcription factors help plants to overcome environmental challenges?. <i>Genetics and Molecular Biology</i> , 2018, 41, 533-544.	0.6	41
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2701	Miscanthus NAC transcription factor MINAC12 positively mediates abiotic stress tolerance in transgenic Arabidopsis. <i>Plant Science</i> , 2018, 277, 229-241.	1.7	41
2702	Overexpression of PeHKT1;1 Improves Salt Tolerance in Populus. <i>Genes</i> , 2018, 9, 475.	1.0	31
2703	Transcriptome analysis provides novel insights into high-soil-moisture-elevated susceptibility to <i>Ralstonia solanacearum</i> infection in ginger (<i>Zingiber officinale</i> Roscoe cv. Southwest). <i>Plant Physiology and Biochemistry</i> , 2018, 132, 547-556.	2.8	15
2704	Morph-physiological responses of cotton interspecific chromosome substitution lines to low temperature and drought stresses. <i>Euphytica</i> , 2018, 214, 1.	0.6	6
2705	Pathways and Network Based Analysis of Candidate Genes to Reveal Cross-Talk and Specificity in the Sorghum (<i>Sorghum bicolor</i> (L.) Moench) Responses to Drought and It's Co-occurring Stresses. <i>Frontiers in Genetics</i> , 2018, 9, 557.	1.1	22
2706	Structural and Functional Dynamics of Dehydrins: A Plant Protector Protein under Abiotic Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3420.	1.8	95
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2708	Multiple Regression Analysis Reveals MicroRNA Regulatory Networks in <i>Oryza sativa</i> under Drought Stress. <i>International Journal of Genomics</i> , 2018, 2018, 1-12.	0.8	13
2709	Sensing of Abiotic Stress and Ionic Stress Responses in Plants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3298.	1.8	67
2710	Genome-Wide Investigation of the Role of MicroRNAs in Desiccation Tolerance in the Resurrection Grass <i>Tripsodactylon daniellii</i> . <i>Plants</i> , 2018, 7, 68.	1.6	8
2711	Genes Encoding Transcription Factors TaDREB5 and TaNFYC-A7 Are Differentially Expressed in Leaves of Bread Wheat in Response to Drought, Dehydration and ABA. <i>Frontiers in Plant Science</i> , 2018, 9, 1441.	1.7	21
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2714	Effect of Drought Stress on Growth and Yield of Wheat Genotypes. <i>Bangladesh Agronomy Journal</i> , 2018, 20, 97-105.	0.2	5
2715	Increased salt and drought tolerance by D-pinitol production in transgenic <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 315-320.	1.0	32
2716	Copper-caused oxidative stress triggers the activation of antioxidant enzymes via ZmMPK3 in maize leaves. <i>PLoS ONE</i> , 2018, 13, e0203612.	1.1	86
2717	The sucrose non-fermenting-1-related protein kinases SAPK1 and SAPK2 function collaboratively as positive regulators of salt stress tolerance in rice. <i>BMC Plant Biology</i> , 2018, 18, 203.	1.6	83
2718	Transcriptome Analysis of <i>Gossypium hirsutum</i> L. Reveals Different Mechanisms among NaCl, NaOH and Na ₂ CO ₃ Stress Tolerance. <i>Scientific Reports</i> , 2018, 8, 13527.	1.6	36
2719	Critical Evaluation of the Benefits and Risks of Genetically Modified Horticultural Crops. , 2018, , 315-351.		0
2720	A Sweetpotato Auxin Response Factor Gene (<i>IbARF5</i>) Is Involved in Carotenoid Biosynthesis and Salt and Drought Tolerance in Transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1307.	1.7	89
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2722	Physiological Roles of Plant Methionine Sulfoxide Reductases in Redox Homeostasis and Signaling. <i>Antioxidants</i> , 2018, 7, 114.	2.2	65
2723	Whole-Transcriptome Sequence Analysis of <i>Verbena bonariensis</i> in Response to Drought Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1751.	1.8	10
2724	<i>Populus trichocarpa</i> PtNF-YA9, A Multifunctional Transcription Factor, Regulates Seed Germination, Abiotic Stress, Plant Growth and Development in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 954.	1.7	38
2725	Both NaCl and H ₂ O ₂ Long-Term Stresses Affect Basal Cytosolic Ca ²⁺ Levels but Only NaCl Alters Cytosolic Ca ²⁺ Signatures in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1390.	1.7	5
2726	Genetic variation in drought tolerance at seedling stage and grain yield in low rainfall environments in wheat (<i>Triticum aestivum</i> L.). <i>Euphytica</i> , 2018, 214, 1.	0.6	43
2727	QTLs for seedling traits under salinity stress in hexaploid wheat. <i>Ciencia Rural</i> , 2018, 48, .	0.3	11
2728	Transcript profiling of salt tolerant tobacco mutants generated via mutation breeding. <i>Gene Expression Patterns</i> , 2018, 29, 59-64.	0.3	2
2729	Antarctic rhizobacteria improve salt tolerance and physiological performance of the Antarctic vascular plants. <i>Polar Biology</i> , 2018, 41, 1973-1982.	0.5	33
2730	An endosymbiont <i>Piriformospora indica</i> reduces adverse effects of salinity by regulating cation transporter genes, phytohormones, and antioxidants in <i>Brassica campestris</i> ssp. <i>Chinensis</i> . <i>Environmental and Experimental Botany</i> , 2018, 153, 89-99.	2.0	38

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2732	A lycopene β -cyclase gene, IbLCYB2, enhances carotenoid contents and abiotic stress tolerance in transgenic sweetpotato. <i>Plant Science</i> , 2018, 272, 243-254.	1.7	81
2733	The transcription factor Fc<scp>WRKY</scp>40 of <i>Fortunella crassifolia</i> functions positively in salt tolerance through modulation of ion homeostasis and proline biosynthesis by directly regulating <i><scp>SOS</scp>2</i> and <i><scp>P5</scp>CS</scp>1</i> homologs. <i>New Phytologist</i> , 2018, 219, 972-989.	3.5	157
2734	Nutrient Homeostasis and Salt Stress Tolerance. , 2018, , 391-413.		5
2735	Genome-Wide Identification of Drought Response Genes in Soybean Seedlings and Development of Biomarkers for Early Diagnoses. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 350-362.	1.0	5
2736	The combination of arbuscular mycorrhizal fungi inoculation (<i>Glomus versiforme</i>) and 28 μ m homobrassinolide spraying intervals improves growth by enhancing photosynthesis, nutrient absorption, and antioxidant system in cucumber (<i>Cucumis sativus</i> L.) under salinity. <i>Ecology and Evolution</i> , 2018, 8, 5724-5740.	0.8	39
2737	Developing Stress-Tolerant Plants Through In Vitro Tissue Culture: Family Brassicaceae. , 2018, , 327-372.		15
2738	Genome-Wide Expression Profiles of Hemp (<i>Cannabis sativa</i> L.) in Response to Drought Stress. <i>International Journal of Genomics</i> , 2018, 2018, 1-13.	0.8	23
2739	Up-regulation of antioxidative defense systems by glycine betaine foliar application in onion plants confer tolerance to salinity stress. <i>Scientia Horticulturae</i> , 2018, 240, 614-622.	1.7	75
2740	Salinity Responses and Tolerance in Plants, Volume 2. , 2018, , .		5
2741	Quantitative proteomic analysis using iTRAQ to identify salt-responsive proteins during the germination stage of two Medicago species. <i>Scientific Reports</i> , 2018, 8, 9553.	1.6	18
2742	Rapid monitoring of proline accumulation in paprika leaf sap relative to leaf position and water stress. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 483-489.	0.7	2
2743	Proteomics Perspectives in Post-Genomic Era for Producing Salinity Stress-Tolerant Crops. , 2018, , 239-266.		4
2744	miRNAs: The Game Changer in Producing Salinity Stress-Tolerant Crops. , 2018, , 143-188.		3
2745	Increasing the abscisic acid level in maize grains induces precocious maturation by accelerating grain filling and dehydration. <i>Plant Growth Regulation</i> , 2018, 86, 65-79.	1.8	21
2746	Ectopic expression of FvWRKY42, a WRKY transcription factor from the diploid woodland strawberry (<i>Fragaria vesca</i>), enhances resistance to powdery mildew, improves osmotic stress resistance, and increases abscisic acid sensitivity in <i>Arabidopsis</i> . <i>Plant Science</i> , 2018, 275, 60-74.	1.7	53
2747	Effect of salicylic acid and potassium application on yield and grain nutritional quality of wheat under drought stress condition. <i>Cereal Research Communications</i> , 2018, 46, 558-568.	0.8	12
2748	<i>Arabidopsis</i> calcineurin B-like proteins differentially regulate phosphorylation activity of CBL-interacting protein kinase 9. <i>Biochemical Journal</i> , 2018, 475, 2621-2636.	1.7	29

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2750	Functional characterization of two myo-inositol-1-phosphate synthase (MIPS) gene promoters from the halophytic wild rice (<i>Porteresia coarctata</i>). <i>Planta</i> , 2018, 248, 1121-1141.	1.6	7
2751	Plant Abiotic Stress Proteomics: The Major Factors Determining Alterations in Cellular Proteome. <i>Frontiers in Plant Science</i> , 2018, 9, 122.	1.7	240
2752	Physiological and Molecular Processes Associated with Long Duration of ABA Treatment. <i>Frontiers in Plant Science</i> , 2018, 9, 176.	1.7	22
2753	Identification of Metabolites and Transcripts Involved in Salt Stress and Recovery in Peanut. <i>Frontiers in Plant Science</i> , 2018, 9, 217.	1.7	81
2754	Water Deficit and Salinity Stress Reveal Many Specific QTL for Plant Growth and Fruit Quality Traits in Tomato. <i>Frontiers in Plant Science</i> , 2018, 9, 279.	1.7	66
2755	Genomics-Enabled Next-Generation Breeding Approaches for Developing System-Specific Drought Tolerant Hybrids in Maize. <i>Frontiers in Plant Science</i> , 2018, 9, 361.	1.7	43
2756	Comparative Proteome Analysis of Wheat Flag Leaves and Developing Grains Under Water Deficit. <i>Frontiers in Plant Science</i> , 2018, 9, 425.	1.7	42
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2759	The Grape V1WRKY3 Gene Promotes Abiotic and Biotic Stress Tolerance in Transgenic <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 545.	1.7	44
2760	Genotype-Specific Growth and Proteomic Responses of Maize Toward Salt Stress. <i>Frontiers in Plant Science</i> , 2018, 9, 661.	1.7	20
2761	Regulation of Seed Germination and Abiotic Stresses by Gibberellins and Abscisic Acid. <i>Frontiers in Plant Science</i> , 2018, 9, 838.	1.7	197
2762	Conserved and differential transcriptional responses of peroxisome associated pathways to drought, dehydration and ABA. <i>Journal of Experimental Botany</i> , 2018, 69, 4971-4985.	2.4	42
2763	Roles of pepper ZIP protein CaDILZ1 and its interacting partner RING-type E3 ligase CaDSR1 in modulation of drought tolerance. <i>Plant Journal</i> , 2018, 96, 452-467.	2.8	68
2764	Abscisic acid influences tillering by modulation of strigolactones in barley. <i>Journal of Experimental Botany</i> , 2018, 69, 3883-3898.	2.4	51
2765	A Growth-Promoting Bacteria, <i>Paenibacillus yonginensis</i> DCY84T Enhanced Salt Stress Tolerance by Activating Defense-Related Systems in <i>Panax ginseng</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 813.	1.7	63
2766	Transcriptome profiling and identification of functional genes involved in H ₂ S response in grapevine tissue cultured plantlets. <i>Genes and Genomics</i> , 2018, 40, 1287-1300.	0.5	16

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2768	Sustainable Agriculture“Enhancing Environmental Benefits, Food Nutritional Quality and Building Crop Resilience to Abiotic and Biotic Stresses. <i>Agriculture (Switzerland)</i> , 2018, 8, 8.	1.4	72
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2833	Microbes mediated plant stress tolerance in saline agricultural ecosystem. <i>Plant and Soil</i> , 2019, 442, 1-22.	1.8	43
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2908	Versatility of Cyclophilins in Plant Growth and Survival: A Case Study in Arabidopsis. <i>Biomolecules</i> , 2019, 9, 20.	1.8	23
2909	Transcriptome analysis of salt-stress response in three seedling tissues of common wheat. <i>Crop Journal</i> , 2019, 7, 378-392.	2.3	26
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2911	Overexpression of Rice Rab7 Gene Improves Drought and Heat Tolerance and Increases Grain Yield in Rice (<i>Oryza sativa</i> L.). <i>Genes</i> , 2019, 10, 56.	1.0	107
2912	Comprehensive Analysis of Differentially Expressed Unigenes under NaCl Stress in Flax (<i>Linum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262	1.8	34
2913	Transgenic Arabidopsis overexpressing MsSNAT enhances salt tolerance via the increase in autophagy, and the reestablishment of redox and ion homeostasis. <i>Environmental and Experimental Botany</i> , 2019, 164, 20-28.	2.0	30
2914	Application of Nano-Silicon Dioxide Improves Salt Stress Tolerance in Strawberry Plants. <i>Agronomy</i> , 2019, 9, 246.	1.3	131
2915	Overexpression of a Multiprotein Bridging Factor 1 Gene DgMBF1 Improves the Salinity Tolerance of Chrysanthemum. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2453.	1.8	9
2916	Research Progress and Perspective on Drought Stress in Legumes: A Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2541.	1.8	214
2917	Abscisic Acid Regulates Auxin Distribution to Mediate Maize Lateral Root Development Under Salt Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 716.	1.7	66

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2919	Transcriptome sequencing and functional analysis of <i>Sedum lineare</i> Thunb. upon salt stress. <i>Molecular Genetics and Genomics</i> , 2019, 294, 1441-1453.	1.0	6
2920	Transcriptomic and metabolomic profiling of drought-tolerant and susceptible sesame genotypes in response to drought stress. <i>BMC Plant Biology</i> , 2019, 19, 267.	1.6	162
2921	Constitutive expression of GmF6 α H1 from soybean improves salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 446-455.	2.8	8
2922	The Interaction Between Plants and Bacterial Endophytes Under Salinity Stress. <i>Reference Series in Phytochemistry</i> , 2019, , 591-607.	0.2	13
2923	Rice NAC transcription factor ONAC066 functions as a positive regulator of drought and oxidative stress response. <i>BMC Plant Biology</i> , 2019, 19, 278.	1.6	128
2924	The adaptation strategies of <i>Herpetospermum pedunculatum</i> (Ser.) Baill at altitude gradient of the Tibetan plateau by physiological and metabolomic methods. <i>BMC Genomics</i> , 2019, 20, 451.	1.2	23
2925	Comprehensive Genomic Survey, Characterization and Expression Analysis of the HECT Gene Family in <i>Brassica rapa</i> L. and <i>Brassica oleracea</i> L.. <i>Genes</i> , 2019, 10, 400.	1.0	15
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2927	H ₂ S Alleviates Salinity Stress in Cucumber by Maintaining the Na ⁺ /K ⁺ Balance and Regulating H ₂ S Metabolism and Oxidative Stress Response. <i>Frontiers in Plant Science</i> , 2019, 10, 678.	1.7	138
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2929	Overexpression of AtAGT1 promoted root growth and development during seedling establishment. <i>Plant Cell Reports</i> , 2019, 38, 1165-1180.	2.8	5
2930	Putrescine enhances salt tolerance of cucumber seedlings by regulating ion homeostasis. <i>Environmental and Experimental Botany</i> , 2019, 165, 70-82.	2.0	25
2931	A novel sweetpotato bZIP transcription factor gene, <i>lbbZIP1</i> , is involved in salt and drought tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2019, 38, 1373-1382.	2.8	44
2932	Young seedlings adapt to stress by retaining starch and retarding growth through ABA-Dependent and -independent pathways in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 699-705.	1.0	20
2933	Functional characterization of LkERF-B2 for improved salt tolerance ability in <i>Arabidopsis thaliana</i> . <i>3 Biotech</i> , 2019, 9, 263.	1.1	5
2934	Auxin biosynthesis: spatial regulation and adaptation to stress. <i>Journal of Experimental Botany</i> , 2019, 70, 5041-5049.	2.4	66
2935	Sodium nitroprusside enhances regeneration and alleviates salinity stress in soybean [<i>Glycine max</i> (L.) Merrill]. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101173.	1.5	13

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2937	Roles of plant CBL-CIPK systems in abiotic stress responses. <i>Turkish Journal of Botany</i> , 2019, 43, 271-280.	0.5	14
2939	Use of Phytohormones to Improve Abiotic Stress Tolerance in Wheat. , 2019, , 465-479.		2
2940	A Cryophyte Transcription Factor, CbABF1, Confers Freezing, and Drought Tolerance in Tobacco. <i>Frontiers in Plant Science</i> , 2019, 10, 699.	1.7	9
2941	Calcineurin B-Like Proteins CBL4 and CBL10 Mediate Two Independent Salt Tolerance Pathways in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2421.	1.8	49
2942	Molecular and Biotechnological Tools in Developing Abiotic Stress Tolerance in Wheat. , 2019, , 283-341.		1
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2947	AtSIZ1 improves salt tolerance by maintaining ionic homeostasis and osmotic balance in Arabidopsis. <i>Plant Science</i> , 2019, 285, 55-67.	1.7	47
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2952	Hydrogel-based transparent soils for root phenotyping in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11063-11068.	3.3	58
2953	The microtubule cytoskeleton acts as a sensor for stress response signaling in plants. <i>Molecular Biology Reports</i> , 2019, 46, 5603-5608.	1.0	24
2954	AtEDT1/HDG11 regulates stomatal density and water-use efficiency via <i>ERECTA</i> and <i>E2Fa</i> . <i>New Phytologist</i> , 2019, 223, 1478-1488.	3.5	57

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2956	Overexpression of PbrNHX2 gene, a Na ⁺ /H ⁺ antiporter gene isolated from <i>Pyrus betulaefolia</i> , confers enhanced tolerance to salt stress via modulating ROS levels. <i>Plant Science</i> , 2019, 285, 14-25.	1.7	16
2957	Arabidopsis translation initiation factors eIF4G1/2 link repression of mRNA cap-binding complex eIF4F assembly with RNA-binding protein SOAR1-mediated ABA signaling. <i>New Phytologist</i> , 2019, 223, 1388-1406.	3.5	19
2958	Behavior of Halophytes and Their Tolerance Mechanism Under Different Abiotic Stresses. , 2019, , 25-38.		1
2959	OsANN3, a calcium-dependent lipid binding annexin is a positive regulator of ABA-dependent stress tolerance in rice. <i>Plant Science</i> , 2019, 284, 212-220.	1.7	33
2960	Effect of Drought Stress and Utility of Transcriptomics in Identification of Drought Tolerance Mechanisms in Maize. <i>Sustainable Development and Biodiversity</i> , 2019, , 73-97.	1.4	1
2961	Overexpression of the NAC transcription factor JUNGBRUNNEN1 (JUB1) increases salinity tolerance in tomato. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 113-121.	2.8	42
2962	Phosphatase GhDsPTP3a interacts with annexin protein GhANN8b to reversely regulate salt tolerance in cotton (<i>Gossypium</i> spp.). <i>New Phytologist</i> , 2019, 223, 1856-1872.	3.5	39
2963	Salinity and ABA Seed Responses in Pepper: Expression and Interaction of ABA Core Signaling Components. <i>Frontiers in Plant Science</i> , 2019, 10, 304.	1.7	20
2964	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.	2.3	149
2965	Nitrate reductase-dependent nitric oxide is crucial for multi-walled carbon nanotube-induced plant tolerance against salinity. <i>Nanoscale</i> , 2019, 11, 10511-10523.	2.8	60
2966	Research Article Expression of transcription factors involved with dehydration in contrasting rice genotypes submitted to different levels of soil moisture. <i>Genetics and Molecular Research</i> , 2019, 18, .	0.3	2
2967	Endoplasmic Reticulum Plays a Critical Role in Integrating Signals Generated by Both Biotic and Abiotic Stress in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 399.	1.7	62
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2970	CALMODULIN-BINDING TRANSCRIPTION ACTIVATOR 6: A Key Regulator of Na ⁺ Homeostasis during Germination. <i>Plant Physiology</i> , 2019, 180, 1101-1118.	2.3	53
2971	High-throughput sequencing reveals microRNAs and their targets in response to drought stress in wheat (<i>Triticum aestivum</i> L.). <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 465-471.	0.5	17
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2975	Genome-wide comprehensive analysis of transcriptomes and small RNAs offers insights into the molecular mechanism of alkaline stress tolerance in a citrus rootstock. Horticulture Research, 2019, 6, 33.	2.9	26
2976	Spatial and Temporal Calcium Signaling and Its Physiological Effects in Moso Bamboo under Drought Stress. Forests, 2019, 10, 224.	0.9	20
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2978	The stimulatory effects of plant growth promoting rhizobacteria and plant growth regulators on wheat physiology grown in sandy soil. Archives of Microbiology, 2019, 201, 769-785.	1.0	45
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2980	Mechanism of salt-inhibited early seed germination analysed by transcriptomic sequencing. Seed Science Research, 2019, 29, 73-84.	0.8	5
2981	Breeding strategies for structuring salinity tolerance in wheat. Advances in Agronomy, 2019, 155, 121-187.	2.4	53
2982	Genome-Wide Analysis of Multiple Organellar RNA Editing Factor Family in Poplar Reveals Evolution and Roles in Drought Stress. International Journal of Molecular Sciences, 2019, 20, 1425.	1.8	18
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2984	Overexpression of MdEPF2 improves water use efficiency and reduces oxidative stress in tomato. Environmental and Experimental Botany, 2019, 162, 321-332.	2.0	26
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2986	Transcriptomic Changes in Medicago truncatula and Lotus japonicus Root Nodules during Drought Stress. International Journal of Molecular Sciences, 2019, 20, 1204.	1.8	14
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2988	Novel genes in response to varying water deficit in oil crop Camelina sativa. Euphytica, 2019, 215, 1.	0.6	3
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2990	NaCl-induced CsRCI2E and CsRCI2F interact with aquaporin CsPIP2;1 to reduce water transport in Camelina sativa L.. Biochemical and Biophysical Research Communications, 2019, 513, 213-218.	1.0	10

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2992	Genome-wide identification and expression profiling of trihelix gene family under abiotic stresses in wheat. <i>BMC Genomics</i> , 2019, 20, 287.	1.2	43
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2997	Methylglyoxal. , 2019, , 219-233.		5
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3000	Pricing longevity-linked derivatives using a stochastic mortality model. <i>Communications in Statistics - Theory and Methods</i> , 2019, 48, 5923-5942.	0.6	1
3001	A R2R3-type MYB transcription factor gene from soybean, GmMYB12, is involved in flavonoids accumulation and abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Biotechnology Reports</i> , 2019, 13, 219-233.	0.9	24
3002	Ectopic expression of GmZAT4, a putative C2H2-type zinc finger protein, enhances PEG and NaCl stress tolerances in <i>Arabidopsis thaliana</i> . <i>3 Biotech</i> , 2019, 9, 166.	1.1	19
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3005	Identification and Characterization of EDT1 Conferring Drought Tolerance in Rice. <i>Journal of Plant Biology</i> , 2019, 62, 39-47.	0.9	16
3006	Ocimum metabolomics in response to abiotic stresses: Cold, flood, drought and salinity. <i>PLoS ONE</i> , 2019, 14, e0210903.	1.1	58
3007	The distribution pattern of endopolyploidy in maize. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1487-1503.	1.8	6
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3018	Expression of the maize MYB transcription factor ZmMYB3R enhances drought and salt stress tolerance in transgenic plants. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 179-188.	2.8	121
3019	Effects of salinity stress on seed germination and seedling growth of tomato. <i>Journal of the Bangladesh Agricultural University</i> , 2019, 17, 490-499.	0.1	11
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3031	Salinity Tolerance in <i>Fraxinus angustifolia</i> Vahl.: Seed Emergence in Field and Germination Trials. <i>Forests</i> , 2019, 10, 940.	0.9	4
3032	A MYB-related transcription factor from sheepgrass, LcMYB2, promotes seed germination and root growth under drought stress. <i>BMC Plant Biology</i> , 2019, 19, 564.	1.6	33
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3042	Tissue-specific hormone profiles from woody poplar roots under bending stress. <i>Physiologia Plantarum</i> , 2019, 165, 101-113.	2.6	14
3043	Comparison of changes in water status and photosynthetic parameters in wild type and abscisic acid-deficient sitiens mutant of tomato (<i>Solanum lycopersicum</i> cv. Rheinlands Ruhm) exposed to sublethal and lethal salt stress. <i>Journal of Plant Physiology</i> , 2019, 232, 130-140.	1.6	29
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3048	The RCC 1 family protein SAB 1 negatively regulates ABI 5 through multidimensional mechanisms during postgermination in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2019, 222, 907-922.	3.5	26
3049	Advances in Rice Research for Abiotic Stress Tolerance. , 2019, , 585-614.		19
3050	Integrated proteome analyses of wheat glume and awn reveal central drought response proteins under water deficit conditions. <i>Journal of Plant Physiology</i> , 2019, 232, 270-283.	1.6	9
3051	Comparative analysis of microRNAs and their targets in the roots of two cultivars with contrasting salt tolerance in rice (<i>Oryza sativa</i> L.). <i>Plant Growth Regulation</i> , 2019, 87, 139-148.	1.8	11
3052	The Interaction Between Plants and Bacterial Endophytes Under Salinity Stress. <i>Reference Series in Phytochemistry</i> , 2019, , 1-17.	0.2	9
3053	Proteomics Study in Rice Responses and Tolerance to Salt Stress. , 2019, , 781-789.		3
3054	Recent Advancements in Developing Salinity Tolerant Rice. , 2019, , 87-112.		3
3055	Physiological and Molecular Responses for Metalloid Stress in Rice—A Comprehensive Overview. , 2019, , 341-369.		31
3056	Molecular Approaches for Dissecting and Improving Drought and Heat Tolerance in Rice. , 2019, , 839-867.		11
3057	A Synthetic Oxygen Sensor for Plants Based on Animal Hypoxia Signaling. <i>Plant Physiology</i> , 2019, 179, 986-1000.	2.3	26
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3060	A Moso Bamboo Drought-Induced 19 Protein, PeDi19-4, Enhanced Drought and Salt Tolerance in Plants via the ABA-Dependent Signaling Pathway. <i>Plant and Cell Physiology</i> , 2019, 60, e1-e14.	1.5	7
3061	Identification of microRNAs responding to salt stress in barley by high-throughput sequencing and degradome analysis. <i>Environmental and Experimental Botany</i> , 2019, 160, 59-70.	2.0	29
3062	Gracilaria dura extract confers drought tolerance in wheat by modulating abscisic acid homeostasis. <i>Plant Physiology and Biochemistry</i> , 2019, 136, 143-154.	2.8	41
3063	Vitamin C Content in Fruits: Biosynthesis and Regulation. <i>Frontiers in Plant Science</i> , 2018, 9, 2006.	1.7	183

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3064	Transcriptomic analysis of the maize (<i>Zea mays</i> L.) inbred line B73 response to heat stress at the seedling stage. <i>Gene</i> , 2019, 692, 68-78.	1.0	55
3065	Down-regulation of lycopene β -cyclase expression in transgenic sweetpotato plants increases the carotenoid content and tolerance to abiotic stress. <i>Plant Science</i> , 2019, 281, 52-60.	1.7	41
3066	An AP2/ERF gene, <i>IbRAP2-12</i> , from sweetpotato is involved in salt and drought tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 281, 19-30.	1.7	58
3067	Overexpression of a protein kinase gene <i>MpSnRK2.10</i> from <i>Malus prunifolia</i> confers tolerance to drought stress in transgenic <i>Arabidopsis thaliana</i> and apple. <i>Gene</i> , 2019, 692, 26-34.	1.0	28
3068	Mechanisms of the IAA and ACC-deaminase producing strain of <i>Trichoderma longibrachiatum</i> T6 in enhancing wheat seedling tolerance to NaCl stress. <i>BMC Plant Biology</i> , 2019, 19, 22.	1.6	78
3069	The β 5 subunit is essential for intact 26S proteasome assembly to specifically promote plant autotrophic growth under salt stress. <i>New Phytologist</i> , 2019, 221, 1359-1368.	3.5	32
3070	Crosstalk between nitric oxide (NO) and abscisic acid (ABA) signalling molecules in higher plants. <i>Environmental and Experimental Botany</i> , 2019, 161, 41-49.	2.0	109
3071	Leaf epidermis transcriptome reveals drought-induced hormonal signaling for stomatal regulation in wild barley. <i>Plant Growth Regulation</i> , 2019, 87, 39-54.	1.8	29
3072	Role of dehydrin-FK506-binding protein complex in enhancing drought tolerance through the ABA-mediated signaling pathway. <i>Environmental and Experimental Botany</i> , 2019, 158, 136-149.	2.0	34
3073	Methyl jasmonate improves tolerance to high salt stress in the recretohalophyte <i>Limonium bicolor</i> . <i>Functional Plant Biology</i> , 2019, 46, 82.	1.1	41
3074	Brassinosteroids Confer Tolerance to Salt Stress in <i>Eucalyptus urophylla</i> Plants Enhancing Homeostasis, Antioxidant Metabolism and Leaf Anatomy. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 557-573.	2.8	45
3075	Molybdenum improves water uptake via extensive root morphology, aquaporin expressions and increased ionic concentrations in wheat under drought stress. <i>Environmental and Experimental Botany</i> , 2019, 157, 241-249.	2.0	19
3076	A quantitative trait locus, <i>qSE3</i> , promotes seed germination and seedling establishment under salinity stress in rice. <i>Plant Journal</i> , 2019, 97, 1089-1104.	2.8	107
3077	miR1916 plays a role as a negative regulator in drought stress resistance in tomato and tobacco. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 597-602.	1.0	18
3078	Overexpression of <i>LeNHX2</i> and <i>SISOS2</i> increases salt tolerance and fruit production in double transgenic tomato plants. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 77-86.	2.8	28
3079	The moss jasmonate ZIM-domain protein <i>PnJAZ1</i> confers salinity tolerance via crosstalk with the abscisic acid signalling pathway. <i>Plant Science</i> , 2019, 280, 1-11.	1.7	40
3080	Cytokinin action in response to abiotic and biotic stresses in plants. <i>Plant, Cell and Environment</i> , 2019, 42, 998-1018.	2.8	288
3081	An apple transcription factor, <i>MdDREB76</i> , confers salt and drought tolerance in transgenic tobacco by activating the expression of stress-responsive genes. <i>Plant Cell Reports</i> , 2019, 38, 221-241.	2.8	38

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3082	A Comprehensive Review on Rice Responses and Tolerance to Salt Stress. , 2019, , 133-158.		33
3083	Identification of alkali-responsive proteins from early seedling stage of two contrasting <i>Medicago</i> species by iTRAQ-based quantitative proteomic analysis. <i>Environmental and Experimental Botany</i> , 2019, 157, 26-34.	2.0	11
3084	Calmodulin-like gene MtCML40 is involved in salt tolerance by regulating MtHKTs transporters in <i>Medicago truncatula</i> . <i>Environmental and Experimental Botany</i> , 2019, 157, 79-90.	2.0	35
3085	Molecular cloning and functional characterization of the Aluminum-activated malate transporter gene MdALMT14. <i>Scientia Horticulturae</i> , 2019, 244, 208-217.	1.7	10
3086	Elevated carbon dioxide and drought modulate physiology and storage-root development in sweet potato by regulating microRNAs. <i>Functional and Integrative Genomics</i> , 2019, 19, 171-190.	1.4	16
3087	Germination profiling of lentil genotypes subjected to salinity stress. <i>Plant Biology</i> , 2019, 21, 480-486.	1.8	31
3088	Controllability Analysis of a Gene Network for <i>Arabidopsis thaliana</i> Reveals Characteristics of Functional Gene Families. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 912-924.	1.9	37
3089	The involvement of wheat E3 ubiquitin ligase TaPUB1 in salt stress tolerance. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 631-651.	4.1	59
3090	Rice plastidial NAD-dependent malate dehydrogenase 1 negatively regulates salt stress response by reducing the vitamin B6 content. <i>Plant Biotechnology Journal</i> , 2020, 18, 172-184.	4.1	45
3091	Synthesis and plant growth regulatory activities of 2,3-PhABA and iso-2,3-PhABA esters. <i>Molecular Diversity</i> , 2020, 24, 119-130.	2.1	2
3092	Impact of overexpression of 9-cis-epoxycarotenoid dioxygenase on growth and gene expression under salinity stress. <i>Plant Science</i> , 2020, 295, 110268.	1.7	29
3093	A R2R3-MYB transcription factor VvMYBF1 from grapevine (<i>Vitis vinifera</i> L.) regulates flavonoids accumulation and abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Journal of Horticultural Science and Biotechnology</i> , 2020, 95, 147-161.	0.9	13
3094	<i>Arabidopsis</i> CPK6 positively regulates ABA signaling and drought tolerance through phosphorylating ABA-responsive element-binding factors. <i>Journal of Experimental Botany</i> , 2020, 71, 188-203.	2.4	59
3095	PGDH family genes differentially affect <i>Arabidopsis</i> tolerance to salt stress. <i>Plant Science</i> , 2020, 290, 110284.	1.7	12
3096	In silico study revealed major conserve architectures and novel features of pyrabactin binding to <i>Oryza sativa</i> ABA receptors compare to the <i>Arabidopsis thaliana</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3211-3224.	2.0	2
3097	Season specificity in the cold-induced calcium signal and the volatile chemicals in the atmosphere. <i>Physiologia Plantarum</i> , 2020, 168, 803-818.	2.6	2
3098	Antioxidant Enzymatic Activity and Its Related Genes Expression in Cassava Leaves at Different Growth Stages Play Key Roles in Sustaining Yield and Drought Tolerance Under Moisture Stress. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 594-607.	2.8	4
3099	Dehydrin MtCAS31 promotes autophagic degradation under drought stress. <i>Autophagy</i> , 2020, 16, 862-877.	4.3	59

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3100	Microbial Volatile Organic Compounds Produced by <i>Bacillus amyloliquefaciens</i> GBO3 Ameliorate the Effects of Salt Stress in <i>Mentha piperita</i> Principally Through Acetoin Emission. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 764-775.	2.8	41
3101	The poplar R2R3 MYB transcription factor PtrMYB94 coordinates with abscisic acid signaling to improve drought tolerance in plants. <i>Tree Physiology</i> , 2020, 40, 46-59.	1.4	35
3102	Rice lectin receptor-like kinase provides salinity tolerance by ion homeostasis. <i>Biotechnology and Bioengineering</i> , 2020, 117, 498-510.	1.7	23
3103	<i>Chrysanthemum</i> (<i>Chrysanthemum morifolium</i>) CmICE2 conferred freezing tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 146, 31-41.	2.8	19
3104	The HKT Transporter HvHKT1;5 Negatively Regulates Salt Tolerance. <i>Plant Physiology</i> , 2020, 182, 584-596.	2.3	57
3105	Up-regulation of lipid metabolism and glycine betaine synthesis are associated with choline-induced salt tolerance in halophytic seashore paspalum. <i>Plant, Cell and Environment</i> , 2020, 43, 159-173.	2.8	35
3106	Maize WRKY114 gene negatively regulates salt-stress tolerance in transgenic rice. <i>Plant Cell Reports</i> , 2020, 39, 135-148.	2.8	42
3107	Photosynthesis, fluorescence and mesophyll conductance responses to increasing salinity levels in <i>Jatropha curcas</i> at early vegetative stages. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 52-63.	1.7	5
3108	AtWRKY21 negatively regulates tolerance to osmotic stress in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2020, 169, 103920.	2.0	21
3109	Overexpression of <i>Arabidopsis</i> aspartic protease APA1 gene confers drought tolerance. <i>Plant Science</i> , 2020, 292, 110406.	1.7	25
3110	Agonist, antagonist and signaling modulators of ABA receptor for agronomic and post-harvest management. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 10-25.	2.8	26
3111	Differentially expressed bZIP transcription factors confer multi-tolerances in <i>Gossypium hirsutum</i> L.. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 569-578.	3.6	50
3112	Transcriptomic and metabolomic analysis reveals the role of CoA in the salt tolerance of <i>Zygophyllum</i> spp. <i>BMC Plant Biology</i> , 2020, 20, 9.	1.6	14
3113	The protein turnover of <i>Arabidopsis</i> BPM1 is involved in regulation of flowering time and abiotic stress response. <i>Plant Molecular Biology</i> , 2020, 102, 359-372.	2.0	13
3114	Stomatal traits as a determinant of superior salinity tolerance in wild barley. <i>Journal of Plant Physiology</i> , 2020, 245, 153108.	1.6	41
3115	Histone Deacetylase HDA9 and WRKY53 Transcription Factor Are Mutual Antagonists in Regulation of Plant Stress Response. <i>Molecular Plant</i> , 2020, 13, 598-611.	3.9	65
3116	Genome-wide analysis of ethylene-response factor family in adzuki bean and functional determination of VaERF3 under saline-alkaline stress. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 215-222.	2.8	22
3117	Morpho-physiological and biochemical responses of finger millet (<i>Eleusine coracana</i> (L.) Gaertn.) genotypes to PEG-induced osmotic stress. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101488.	1.5	26

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3118	Functional analysis of mTERF5 and mTERF9 contribution to salt tolerance, plastid gene expression and retrograde signalling in <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2020, 22, 459-471.	1.8	9
3121	Cyclophilin OsCYP20 with a novel variant integrates defense and cell elongation for chilling response in rice. <i>New Phytologist</i> , 2020, 225, 2453-2467.	3.5	19
3122	Abscisic acid-triggered guard cell cysteine desulfhydrase function and in situ hydrogen sulfide production contributes to heme oxygenase-modulated stomatal closure. <i>Plant, Cell and Environment</i> , 2020, 43, 624-636.	2.8	57
3123	Rootstocks modulate the physiology and growth responses to water deficit and long-term recovery in grafted stone fruit trees. <i>Agricultural Water Management</i> , 2020, 228, 105897.	2.4	29
3124	The cloning and characterization of hypersensitive to salt stress mutant, affected in quinolinate synthase, highlights the involvement of NAD in stress-induced accumulation of ABA and proline. <i>Plant Journal</i> , 2020, 102, 85-98.	2.8	31
3125	Comparative analysis of salt responsive gene regulatory networks in rice and <i>Arabidopsis</i> . <i>Computational Biology and Chemistry</i> , 2020, 85, 107188.	1.1	5
3126	Overexpression of Caffeic Acid O-Methyltransferase 1 (COMT1) Increases Melatonin Level and Salt Stress Tolerance in Tomato Plant. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1221-1235.	2.8	47
3127	Quantitative proteomic analysis of <i>Malus halliana</i> exposed to salt-alkali mixed stress reveals alterations in energy metabolism and stress regulation. <i>Plant Growth Regulation</i> , 2020, 90, 205-222.	1.8	19
3128	The dynamic responses of plant physiology and metabolism during environmental stress progression. <i>Molecular Biology Reports</i> , 2020, 47, 1459-1470.	1.0	41
3129	Insights into endoplasmic reticulum-associated degradation in plants. <i>New Phytologist</i> , 2020, 226, 345-350.	3.5	51
3131	Seed germination, antioxidant enzymes activity and proline content in medicinal plant <i>Tagetes minuta</i> under salinity stress. <i>Plant Biosystems</i> , 2020, 154, 835-842.	0.8	23
3132	The <i>Arabidopsis</i> kinase-associated protein phosphatase KAPP, interacting with protein kinases SnRK2.2/2.3/2.6, negatively regulates abscisic acid signaling. <i>Plant Molecular Biology</i> , 2020, 102, 199-212.	2.0	14
3133	OsABA8ox2, an ABA catabolic gene, suppresses root elongation of rice seedlings and contributes to drought response. <i>Crop Journal</i> , 2020, 8, 480-491.	2.3	40
3134	A WRKY transcription factor, FtWRKY46, from Tartary buckwheat improves salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 147, 43-53.	2.8	36
3135	Ionic and metabolomic analyses reveal the resistance response mechanism to saline-alkali stress in <i>Malus halliana</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 77-90.	2.8	48
3136	Dynamics of the leaf endoplasmic reticulum modulate β -glucosidase-mediated stress-activated ABA production from its glucosyl ester. <i>Journal of Experimental Botany</i> , 2020, 71, 2058-2071.	2.4	43
3137	Growth regulation and proteomic approaches of exogenous abscisic acid induced changes on salt tolerance factors in <i>Suaeda maritima</i> . <i>Plant Physiology Reports</i> , 2020, 25, 33-50.	0.7	4
3138	The chaperone MeHSP90 recruits MeWRKY20 and MeCatalase1 to regulate drought stress resistance in cassava. <i>New Phytologist</i> , 2020, 226, 476-491.	3.5	69

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3139	AtKATANIN1 Modulates Microtubule Depolymerization and Reorganization in Response to Salt Stress in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 138.	1.8	9
3140	The plasma membrane polyamine transporter PUT3 is regulated by the Na ⁺ /H ⁺ antiporter SOS1 and protein kinase SOS2. <i>New Phytologist</i> , 2020, 226, 785-797.	3.5	36
3141	Alterations in stomatal response to fluctuating light increase biomass and yield of rice under drought conditions. <i>Plant Journal</i> , 2020, 104, 1334-1347.	2.8	26
3142	Genome-wide identification and characterization of ABA receptor PYL gene family in rice. <i>BMC Genomics</i> , 2020, 21, 676.	1.2	42
3143	Implications of Abscisic Acid in the Drought Stress Tolerance of Plants. <i>Agronomy</i> , 2020, 10, 1323.	1.3	82
3144	MdbHLH130, an Apple bHLH Transcription Factor, Confers Water Stress Resistance by Regulating Stomatal Closure and ROS Homeostasis in Transgenic Tobacco. <i>Frontiers in Plant Science</i> , 2020, 11, 543696.	1.7	50
3145	The UBC27- ¹ AIRP3 ubiquitination complex modulates ABA signaling by promoting the degradation of ABI1 in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27694-27702.	3.3	36
3146	RNA-seq reveals the salt tolerance of Ipomoea pes-caprae, a wild relative of sweet potato. <i>Journal of Plant Physiology</i> , 2020, 255, 153276.	1.6	17
3147	Amelioration of salt induced toxicity in pearl millet by seed priming with silver nanoparticles (AgNPs): The oxidative damage, antioxidant enzymes and ions uptake are major determinants of salt tolerant capacity. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 221-232.	2.8	190
3148	ScAOC1, an allene oxide cyclase gene, confers defense response to biotic and abiotic stresses in sugarcane. <i>Plant Cell Reports</i> , 2020, 39, 1785-1801.	2.8	13
3149	Changes in physiological and photosynthetic parameters in tomato of different ethylene status under salt stress: Effects of exogenous 1-aminocyclopropane-1-carboxylic acid treatment and the inhibition of ethylene signalling. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 345-356.	2.8	26
3150	Morphological and proteomic analyses of Zea mays in response to water stress. <i>African Journal of Biotechnology</i> , 2020, 19, 223-230.	0.3	1
3151	An Arabidopsis Cytokinin-Modifying Glycosyltransferase UGT76C2 Improves Drought and Salt Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2020, 11, 560696.	1.7	30
3152	Induced anti-oxidation efficiency and others by salt stress in Rosa damascena Miller. <i>Scientia Horticulturae</i> , 2020, 274, 109681.	1.7	26
3153	Overexpression of Maize ZmHDZIV14 Increases Abscisic Acid Sensitivity and Mediates Drought and Salt Stress in Arabidopsis and Tobacco. <i>Plant Molecular Biology Reporter</i> , 2021, 39, 275-287.	1.0	4
3154	Elevated air temperature damage to photosynthetic apparatus alleviated by enhanced cyclic electron flow around photosystem I in tobacco leaves. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111136.	2.9	13
3155	Hydrochemical evolution of high uranium, fluoride and nitrate groundwaters of Namakwaland, South Africa. <i>Journal of African Earth Sciences</i> , 2020, 172, 104002.	0.9	9
3156	AaABCG40 Enhances Artemisinin Content and Modulates Drought Tolerance in Artemisia annua. <i>Frontiers in Plant Science</i> , 2020, 11, 950.	1.7	11

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3157	CRISPR/Cas-Mediated Genome Editing for the Improvement of Oilseed Crop Productivity. <i>Critical Reviews in Plant Sciences</i> , 2020, 39, 195-221.	2.7	10
3158	<i>Arabidopsis</i> Plastid-RNA Polymerase RPOtp Is Involved in Abiotic Stress Tolerance. <i>Plants</i> , 2020, 9, 834.	1.6	3
3159	TGase regulates salt stress tolerance through enhancing bound polyamines-mediated antioxidant enzymes activity in tomato. <i>Environmental and Experimental Botany</i> , 2020, 179, 104191.	2.0	27
3160	Melatonin enhances drought resistance by regulating leaf stomatal behaviour, root growth and catalase activity in two contrasting rapeseed (<i>Brassica napus</i> L.) genotypes. <i>Plant Physiology and Biochemistry</i> , 2020, 149, 86-95.	2.8	77
3161	Transcriptome analysis of grape leaves reveals insights into response to heat acclimation. <i>Scientia Horticulturae</i> , 2020, 272, 109554.	1.7	17
3162	How Plant Hormones Mediate Salt Stress Responses. <i>Trends in Plant Science</i> , 2020, 25, 1117-1130.	4.3	426
3163	MdINT1 enhances apple salinity tolerance by regulating the antioxidant system, homeostasis of ions, and osmosis. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 689-698.	2.8	9
3164	Endophytic Microbes and Their Role to Overcome Abiotic Stress in Crop Plants. , 2020, , 109-122.		5
3165	Proteomic profiling of developing wheat heads under water-stress. <i>Functional and Integrative Genomics</i> , 2020, 20, 695-710.	1.4	3
3166	Biotechnological applications of seed microbiomes for sustainable agriculture and environment. , 2020, , 127-143.		5
3167	A Salt-Signaling Network Involving Ethylene, Extracellular ATP, Hydrogen Peroxide, and Calcium Mediates K ⁺ /Na ⁺ Homeostasis in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 8683.	1.8	17
3168	H ₂ S pretreatment mitigates the alkaline salt stress on <i>Malus hupehensis</i> roots by regulating Na ⁺ /K ⁺ homeostasis and oxidative stress. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 233-241.	2.8	39
3169	Temporal salt stress-induced transcriptome alterations and regulatory mechanisms revealed by PacBio long-reads RNA sequencing in <i>Gossypium hirsutum</i> . <i>BMC Genomics</i> , 2020, 21, 838.	1.2	19
3170	Thriving under Stress: How Plants Balance Growth and the Stress Response. <i>Developmental Cell</i> , 2020, 55, 529-543.	3.1	283
3171	Ethylene mediated physiological response for in vitro development of salinity tolerant tomato. <i>Journal of Plant Interactions</i> , 2020, 15, 406-416.	1.0	5
3172	The Use of Red Shade Nets Improves Growth in Salinized Pepper (<i>Capsicum annum</i> L.) Plants by Regulating Their Ion Homeostasis and Hormone Balance. <i>Agronomy</i> , 2020, 10, 1766.	1.3	6
3173	Role of Raf-like kinases in SnRK2 activation and osmotic stress response in plants. <i>Nature Communications</i> , 2020, 11, 6184.	5.8	59
3174	Dual role of MdSND1 in the biosynthesis of lignin and in signal transduction in response to salt and osmotic stress in apple. <i>Horticulture Research</i> , 2020, 7, 204.	2.9	34

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3176	Major transcription factor families involved in salinity stress tolerance in plants. , 2020, , 99-109.		5
3178	PeSNAC-1 a NAC transcription factor from moso bamboo (<i>Phyllostachys edulis</i>) confers tolerance to salinity and drought stress in transgenic rice. <i>Tree Physiology</i> , 2020, 40, 1792-1806.	1.4	19
3179	S-adenosylmethionine synthetase 1 confers drought and salt tolerance in transgenic tomato. <i>Environmental and Experimental Botany</i> , 2020, 179, 104226.	2.0	23
3180	Mediation of arbuscular mycorrhizal fungi on growth and biochemical parameters of <i>Ligustrum vicaryi</i> in response to salinity. <i>Physiological and Molecular Plant Pathology</i> , 2020, 112, 101522.	1.3	19
3181	AcoMYB4, an <i>Ananas comosus</i> L. MYB Transcription Factor, Functions in Osmotic Stress through Negative Regulation of ABA Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5727.	1.8	27
3182	APA, a Class of ABA Receptor Agonism/Antagonism Switching Probes. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8524-8534.	2.4	7
3183	Transcriptome Analysis of <i>ppdnmt2</i> and Identification of Superoxide Dismutase as a Novel Interactor of DNMT2 in the Moss <i>Physcomitrella patens</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1185.	1.7	7
3184	Physiological and antioxidant responses of cultivated and wild barley under salt stress. <i>Plant, Soil and Environment</i> , 2020, 66, 334-344.	1.0	16
3185	Glycine Betaine Accumulation, Significance and Interests for Heavy Metal Tolerance in Plants. <i>Plants</i> , 2020, 9, 896.	1.6	84
3186	Agricultural Homoeopathy: A New Insight into Organics. , 0, , .		2
3187	Mitigation of Salinity-Induced Damages in <i>Capsicum Annum</i> L. (Sweet Pepper) Seedlings Using Priming Techniques: A Future Perspective of Climate Change in the Region. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 1602-1625.	0.6	12
3188	A new phenomenological model to describe root-soil interactions based on percolation theory. <i>Ecological Modelling</i> , 2020, 433, 109205.	1.2	9
3189	MdHAL3, a 4-phosphopantothienoylcysteine decarboxylase, is involved in the salt tolerance of autotetraploid apple. <i>Plant Cell Reports</i> , 2020, 39, 1479-1491.	2.8	8
3190	<i>Arabidopsis thaliana</i> CRK41 negatively regulates salt tolerance via H ₂ O ₂ and ABA cross-linked networks. <i>Environmental and Experimental Botany</i> , 2020, 179, 104210.	2.0	6
3191	Photosynthetic and transcriptomic responses of two C ₄ grass species with different NaCl tolerance. <i>Journal of Plant Physiology</i> , 2020, 253, 153244.	1.6	7
3192	Overexpression of plant ferredoxin-like protein promotes salinity tolerance in rice (<i>Oryza sativa</i>). <i>Plant Physiology and Biochemistry</i> , 2020, 155, 136-146.	2.8	17
3193	Molecular Cloning and the Expression Pattern of a Phospholipid Hydroperoxide Glutathione Peroxidase in <i>Kalidium foliatum</i> under NaCl Treatment. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 750-757.	0.5	1
3194	Comparative transcriptome analyses reveal different mechanism of high- and low-tillering genotypes controlling tiller growth in orchardgrass (<i>Dactylis glomerata</i> L.). <i>BMC Plant Biology</i> , 2020, 20, 369.	1.6	7

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3195	Comparative Study of the Abscisic Acid Metabolism Using Analogue Tritium-Labeled in the Cyclohexene or Side Moiety. <i>Doklady Chemistry</i> , 2020, 491, 41-44.	0.2	0
3196	Dynamic proteome changes of wheat developing grains in response to water deficit and high-nitrogen fertilizer conditions. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 471-483.	2.8	9
3197	Strawberry FaNAC2 Enhances Tolerance to Abiotic Stress by Regulating Proline Metabolism. <i>Plants</i> , 2020, 9, 1417.	1.6	8
3198	The HD-Zip I transcription factor MdHB-7 regulates drought tolerance in transgenic apple (<i>Malus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	2.0	30
3199	Exogenous spermine-induced expression of SISPMS gene improves salinity-alkalinity stress tolerance by regulating the antioxidant enzyme system and ion homeostasis in tomato. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 79-92.	2.8	19
3200	GmNFYA13 Improves Salt and Drought Tolerance in Transgenic Soybean Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 587244.	1.7	16
3201	The bZIP Transcription Factor GmbZIP15 Negatively Regulates Salt- and Drought-Stress Responses in Soybean. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7778.	1.8	45
3202	Genetic elucidation of hydrogen signaling in plant osmotic tolerance and stomatal closure via hydrogen sulfide. <i>Free Radical Biology and Medicine</i> , 2020, 161, 1-14.	1.3	26
3203	Ectopic expression of DJ-1/Pfpl domain containing <i>Erianthus arundinaceus</i> Glyoxalase III (EaGly III) enhances drought tolerance in sugarcane. <i>Plant Cell Reports</i> , 2020, 39, 1581-1594.	2.8	20
3204	HEAT SHOCK FACTOR A8a Modulates Flavonoid Synthesis and Drought Tolerance. <i>Plant Physiology</i> , 2020, 184, 1273-1290.	2.3	92
3205	Characterization of the Poplar R2R3-MYB Gene Family and Over-Expression of PsnMYB108 Confers Salt Tolerance in Transgenic Tobacco. <i>Frontiers in Plant Science</i> , 2020, 11, 571881.	1.7	36
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3210	Biomechanics in plant resistance to drought. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 1142-1157.	1.5	2
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3214	Transcriptomic Analysis of Short-Term Salt Stress Response in Watermelon Seedlings. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6036.	1.8	24
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3216	Effect of Overexpression of JERFs on Intracellular K ⁺ /Na ⁺ Balance in Transgenic Poplar (<i>Populus alba</i>) Tj ETQq1 1 0.784314 rgBT /Over	1.7	10
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3233	Copalyl Diphosphate Synthase Mutation Improved Salt Tolerance in Maize (<i>Zea mays</i> . L) via Enhancing Vacuolar Na ⁺ Sequestration and Maintaining ROS Homeostasis. <i>Frontiers in Plant Science</i> , 2020, 11, 457.	1.7	11
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3250	Regulation of genes and transcriptional factors involved in plant responses to abiotic stress. , 2020, , 825-833.		1
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3271	The F-box protein EST1 modulates salt tolerance in <i>Arabidopsis</i> by regulating plasma membrane Na ⁺ /H ⁺ antiport activity. <i>Journal of Plant Physiology</i> , 2020, 251, 153217.	1.6	17
3272	Exogenous Abscisic Acid Modulates Reactive Oxygen Metabolism and Related Gene Expression in <i>Platycladus orientalis</i> under H ₂ O ₂ -induced Stress. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 85-93.	0.5	11
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3282	Specific functions for Mediator complex subunits from different modules in the transcriptional response of <i>Arabidopsis thaliana</i> to abiotic stress. <i>Scientific Reports</i> , 2020, 10, 5073.	1.6	24
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3287	Transcriptional analyses of two soybean cultivars under salt stress. <i>Molecular Biology Reports</i> , 2020, 47, 2871-2888.	1.0	15
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3289	Exogenous Brassinolide Alleviates Salt Stress in <i>Malus hupehensis</i> Rehd. by Regulating the Transcription of NHX-Type Na ⁺ (K ⁺)/H ⁺ Antiporters. <i>Frontiers in Plant Science</i> , 2020, 11, 38.	1.7	69
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3293	Fennel and ammi seed extracts modulate antioxidant defence system and alleviate salinity stress in cowpea (<i>Vigna unguiculata</i>). <i>Scientia Horticulturae</i> , 2020, 272, 109576.	1.7	42
3294	<i>SISTE1</i> promotes abscisic acidâ€”dependent salt stressâ€”responsive pathways via improving ion homeostasis and reactive oxygen species scavenging in tomato. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1942-1966.	4.1	19
3295	Plant Growth Enhancement using Rhizospheric Halotolerant Phosphate Solubilizing Bacterium <i>Bacillus licheniformis</i> QA1 and <i>Enterobacter asburiae</i> QF11 Isolated from <i>Chenopodium quinoa</i> Willd. <i>Microorganisms</i> , 2020, 8, 948.	1.6	72
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3297	Reactive oxygen species (ROS) management in engineered plants for abiotic stress tolerance. , 2020, , 241-262.		5
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3299	Water and salt stresses do not trigger bottom-up effects on plant-mediated indirect interactions between a leaf chewer and a sap-feeder. <i>Journal of Pest Science</i> , 2020, 93, 1267-1280.	1.9	7
3300	Ectopic Expression of <i>Gs5PTase8</i> , a Soybean Inositol Polyphosphate 5-Phosphatase, Enhances Salt Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1023.	1.8	9
3301	Poplar <i>PdPTP1</i> Gene Negatively Regulates Salt Tolerance by Affecting Ion and ROS Homeostasis in <i>Populus</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 1065.	1.8	12
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3304	<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.	0.9	11
3305	Genome-wide analysis of long non-coding RNAs (lncRNAs) in two contrasting rapeseed (<i>Brassica napus</i>) Tj ETQq0 0.0 rgBT /Overlock 10	1.6	30
3306	Overexpression of Grapevine VvIAA18 Gene Enhanced Salt Tolerance in Tobacco. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1323.	1.8	19
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3311	Root Physiological Traits and Transcriptome Analyses Reveal that Root Zone Water Retention Confers Drought Tolerance to <i>Opisthoppappus taihangensis</i> . <i>Scientific Reports</i> , 2020, 10, 2627.	1.6	25
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3318	The Soybean bZIP Transcription Factor Gene GmbZIP2 Confers Drought and Salt Resistances in Transgenic Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 670.	1.8	60
3319	Development and characterization of an EMS-mutagenized wheat population and identification of salt-tolerant wheat lines. <i>BMC Plant Biology</i> , 2020, 20, 18.	1.6	34
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3322	<i>Bacillus subtilis</i> strain GOT9 confers enhanced tolerance to drought and salt stresses in <i>Arabidopsis thaliana</i> and <i>Brassica campestris</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 148, 359-367.	2.8	58
3323	Mapping proteome-wide targets of protein kinases in plant stress responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3270-3280.	3.3	102
3324	Subtly Manipulated Expression of ZmMiR156 in Tobacco Improves Drought and Salt Tolerance Without Changing the Architecture of Transgenic Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1664.	1.7	33
3325	Transcriptome Analysis of Drought-Resistant and Drought-Sensitive Sorghum (<i>Sorghum bicolor</i>) Genotypes in Response to PEG-Induced Drought Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 772.	1.8	79
3326	Negative regulation by transcription factor VvWRKY13 in drought stress of <i>Vitis vinifera</i> L. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 114-121.	2.8	16
3327	Exploring the Potential of Nitric Oxide and Hydrogen Sulfide (NOSH)-Releasing Synthetic Compounds as Novel Priming Agents against Drought Stress in <i>Medicago sativa</i> Plants. <i>Biomolecules</i> , 2020, 10, 120.	1.8	70
3328	Plant-Growth Promoting <i>Bacillus oryzicola</i> YC7007 Modulates Stress-Response Gene Expression and Provides Protection From Salt Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 1646.	1.7	34
3329	Identification of new QTL for salt tolerance from rice variety Pokkali. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 202-213.	1.7	31
3330	Screening of maize hybrids against salt stress under hydroponic culture. <i>Cereal Research Communications</i> , 2020, 48, 49-55.	0.8	7
3331	Melatonin application enhances biochar efficiency for drought tolerance in maize varieties: Modifications in physio-chemical and biochemical machinery. <i>Agronomy Journal</i> , 2020, 112, 2826-2847.	0.9	64
3332	Epigenetic memory and priming in plants. <i>Genetica</i> , 2020, 148, 47-54.	0.5	53
3333	Salt and Drought Stress Tolerance in Plants. <i>Signaling and Communication in Plants</i> , 2020, . .	0.5	24
3334	Comparative analysis of overexpressed <i>Fragaria vesca</i> S-adenosyl-L-methionine synthase (FvSAMS) and decarboxylase (FvSAMDC) during salt stress in transgenic <i>Nicotiana benthamiana</i> . <i>Plant Growth Regulation</i> , 2020, 91, 53-73.	1.8	12
3336	Transcriptome analysis of genes and pathways associated with salt tolerance in alfalfa under non-uniform salt stress. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 323-333.	2.8	19
3337	PeSTZ1 confers salt stress tolerance by scavenging the accumulation of ROS through regulating the expression of PeZAT12 and PeAPX2 in <i>Populus</i> . <i>Tree Physiology</i> , 2020, 40, 1292-1311.	1.4	40
3338	Alfalfa MsCBL4 enhances calcium metabolism but not sodium transport in transgenic tobacco under salt and saline-alkali stress. <i>Plant Cell Reports</i> , 2020, 39, 997-1011.	2.8	24
3339	Evaluation of chlorophyll fluorescence parameters and proline content in tomato seedlings grown under different salt stress conditions. <i>Horticulture Environment and Biotechnology</i> , 2020, 61, 433-443.	0.7	34

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3341	Molecular mechanism of drought tolerance in wheat. , 2020, , 129-154.		2
3342	Early Drought-Responsive Genes Are Variable and Relevant to Drought Tolerance. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1657-1670.	0.8	13
3343	A Moso bamboo gene VQ28 confers salt tolerance to transgenic <i>Arabidopsis</i> plants. <i>Planta</i> , 2020, 251, 99.	1.6	29
3344	MicroRNA-mediated regularity functions under salinity stress in plants. , 2020, , 415-434.		0
3345	Phytohormonal signaling under abiotic stress. , 2020, , 397-466.		5
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3347	Characterization of the response to abiotic stresses of high ascorbate <i>Arabidopsis</i> lines using phenomic approaches. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 500-515.	2.8	5
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3349	Overexpression of Small Heat Shock Protein LimHSP16.45 in <i>Arabidopsis hsp17.6II</i> Mutant Enhances Tolerance to Abiotic Stresses. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 231-241.	0.5	14
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3351	Silicon in Horticultural Crops: Cross-talk, Signaling, and Tolerance Mechanism under Salinity Stress. <i>Plants</i> , 2020, 9, 460.	1.6	46
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3353	Vetiver grass-microbe interactions for soil remediation. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 897-938.	6.6	17
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3793	The Effect of Salinity on Gas Exchange on Different Developmental Stages of Mung Bean (<i>Vigna radiata</i>) Tj ETQq0 0.0 rgBT /Overlock 10	0.2	6
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4128	Salt Stress Induced Changes in Photosynthesis and Metabolic Profiles of One Tolerant (<i>Bonica</i> ™) and One Sensitive (<i>Black Beauty</i> ™) Eggplant Cultivars (<i>Solanum melongena</i> L.). <i>Plants</i> , 2022, 11, 590.	1.6	26

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4155	Assessment of Salinity Tolerance Deploying Antioxidant Defense Systems in <i>Gerbera Jamesonii</i> . <i>Biosciences, Biotechnology Research Asia</i> , 2022, 19, 243-254.	0.2	3
4156	Salt Stress Tolerance-Promoting Proteins and Metabolites under Plant-Bacteria-Salt Stress Tripartite Interactions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3126.	1.3	13
4157	Non-Expresser of PR-Genes 1 Positively Regulates Abscisic Acid Signaling in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2022, 11, 815.	1.6	3
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4159	Effects of <i>Azorhizobium caulinodans</i> and <i>Piriformospora indica</i> Co-Inoculation on Growth and Fruit Quality of Tomato (<i>Solanum lycopersicum</i> L.) under Salt Stress. <i>Horticulturae</i> , 2022, 8, 302.	1.2	22
4160	Quantitative phosphoproteomics reveals the role of wild soybean GsSnRK1 as a metabolic regulator under drought and alkali stresses. <i>Journal of Proteomics</i> , 2022, 258, 104528.	1.2	6
4161	Candidate Genes and Pathways in Rice Co-Responding to Drought and Salt Identified by gcHap Network. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4016.	1.8	6
4162	C2H2-type zinc finger OsZFP15 accelerates seed germination and confers salinity and drought tolerance of rice seedling through ABA catabolism. <i>Environmental and Experimental Botany</i> , 2022, 199, 104873.	2.0	8
4163	Spectral monitoring of salinity stress in tomato plants. <i>Biosystems Engineering</i> , 2022, 217, 26-40.	1.9	6
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4166	Overexpression of MdVQ37 reduces salt stress tolerance in <i>Malus domestica</i> . <i>Scientia Horticulturae</i> , 2022, 300, 111077.	1.7	6
4167	GRAS-type transcription factor CaGRAS1 functions as a positive regulator of the drought response in <i>Capsicum annuum</i> . <i>Environmental and Experimental Botany</i> , 2022, 198, 104853.	2.0	2
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4169	Role of Exogenous Melatonin, Hydrogen Sulfide and Nitric Oxide on Organic Acid Content of <i>Eruca sativa</i> L. under Salt Stress. <i>International Journal of Scientific Research and Management</i> , 2021, 9, 330-335.	0.0	0
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4171	Multiple linear regression and linear mixed models identify novel traits of salinity tolerance in <i>Olea europaea</i> L.. <i>Tree Physiology</i> , 2022, 42, 1029-1042.	1.4	4
4172	Genome-Wide Discovery of miRNAs with Differential Expression Patterns in Responses to Salinity in the Two Contrasting Wheat Cultivars. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12556.	1.8	10
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4174	Genome-wide discovery of DNA polymorphisms via resequencing of chickpea cultivars with contrasting response to drought stress. <i>Physiologia Plantarum</i> , 2022, 174, e13611.	2.6	5
4175	Reducing the Halotolerance Gap between Sensitive and Resistant Tomato by Spraying Melatonin. <i>Agronomy</i> , 2022, 12, 84.	1.3	5
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4177	Makedonya meÅyesi (<i>Quercus trojana</i> P.B. Webb.) fidanlarında kuraklık stresinin su potansiyeli ve gaz deÅiÅim parametreleri üzerindeki etkisi. <i>Turkish Journal of Forestry Trkiye Ormancılık Dergisi</i> , 0, , 366-370.	0.1	0
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4179	Effect of Salt Stress and Foliar Application of Salicylic Acid on Morphological, Biochemical, Anatomical, and Productivity Characteristics of Cowpea (<i>Vigna unguiculata</i> L.) Plants. <i>Plants</i> , 2022, 11, 115.	1.6	39
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4181	How salt stress-responsive proteins regulate plant adaptation to saline conditions. <i>Plant Molecular Biology</i> , 2022, 108, 175-224.	2.0	28
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4187	Synergistic interaction between ABA and IAA due to moderate soil drying promotes grain filling of inferior spikelets in rice. <i>Plant Journal</i> , 2022, 109, 1457-1472.	2.8	20
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4358	Prospecting potential of endophytes for modulation of biosynthesis of therapeutic bioactive secondary metabolites and plant growth promotion of medicinal and aromatic plants. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 699-730.	0.7	19
4359	A dirigent family protein confers variation of Casparian strip thickness and salt tolerance in maize. <i>Nature Communications</i> , 2022, 13, 2222.	5.8	55
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4364	Nanotechnologies for microbial inoculants as biofertilizers in the horticulture. , 2022, , 201-261.		1
4366	Microbial behavior, responses toward salinity stress, mechanism of microbe-mediated remediation for sustainable crop production. , 2022, , 103-127.		1
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4374	Green-Synthesized Zinc Oxide Nanoparticles Mitigate Salt Stress in <i>Sorghum bicolor</i> . <i>Agriculture (Switzerland)</i> , 2022, 12, 597.	1.4	25
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4376	Superoxide dismutase (SOD) family in durum wheat: promising candidates for improving crop resilience. <i>Protoplasma</i> , 2023, 260, 145-158.	1.0	7
4377	Genome-Wide Association Studies of Salt-Alkali Tolerance at Seedling and Mature Stages in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 857149.	1.7	5
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4381	Comparative Analysis of Transcriptomes of Diploid and Tetraploid <i>Miscanthus lutarioriparius</i> under Drought Stress. <i>Genes</i> , 2022, 13, 873.	1.0	0
4382	Identification of PP2C Genes in Tibetan Hulless Barley (<i>Hordeum vulgare</i> var. <i>nudum</i>) Under Dehydration Stress and Initiatory Expression and Functional Analysis of HvPP2C59. <i>Plant Molecular Biology Reporter</i> , 2022, 40, 611-627.	1.0	3
4383	Induction of polyploid <i>Malus prunifolia</i> and analysis of its salt tolerance. <i>Tree Physiology</i> , 2022, , .	1.4	4
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4387	SlSnRK2.3 interacts with SlSUI1 to modulate high temperature tolerance via Abscisic acid (ABA) controlling stomatal movement in tomato. <i>Plant Science</i> , 2022, 321, 111305.	1.7	7
4388	Variation in morphophysiological responses and differential expression of sennoside biosynthesis pathway genes under water stress in <i>Cassia angustifolia</i> Vahl. <i>Industrial Crops and Products</i> , 2022, 184, 115047.	2.5	3
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4400	Selenium Nanoparticles (Se-NPs) Alleviates Salinity Damages and Improves Phytochemical Characteristics of Pineapple Mint (<i>Mentha suaveolens</i> Ehrh.). <i>Plants</i> , 2022, 11, 1384.	1.6	15
4401	Root Breeding in the Post-Genomics Era: From Concept to Practice in Apple. <i>Plants</i> , 2022, 11, 1408.	1.6	4
4402	Proline metabolism regulation in <i>Spartina alterniflora</i> and <i>SaP5CS2</i> gene positively regulates salt stress tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Journal of Plant Interactions</i> , 2022, 17, 632-642.	1.0	3
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4407	Metabolomics reveals primary response of wheat (<i>Triticum aestivum</i>) to irrigation with oilfield produced water. <i>Environmental Research</i> , 2022, 212, 113547.	3.7	6
4408	From Soil Amendments to Controlling Autophagy: Supporting Plant Metabolism under Conditions of Water Shortage and Salinity. <i>Plants</i> , 2022, 11, 1654.	1.6	1
4409	How do plants remember drought?. <i>Planta</i> , 2022, 256, .	1.6	27
4410	Insights into the Response of Perennial Ryegrass to Abiotic Stress: Underlying Survival Strategies and Adaptation Mechanisms. <i>Life</i> , 2022, 12, 860.	1.1	1
4411	Exploring Suitability of <i>Salsola imbricata</i> (Fetid Saltwort) for Salinity and Drought Conditions: A Step Toward Sustainable Landscaping Under Changing Climate. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
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4414	Genome Editing Targets for Improving Nutrient Use Efficiency and Nutrient Stress Adaptation. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	14
4415	Physiological and Biochemical Basis of Stress Tolerance in Soybean. , 0, , .		0
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4418	Transcriptome data mining towards characterization of single nucleotide polymorphisms (SNPs) controlling salinity tolerance in bread wheat. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 389-400.	0.5	3
4419	Genome wide association study and haplotype analysis reveals the role of HvHKT1;5 in potassium retention but not Na ⁺ exclusion in barley (<i>Hordeum vulgare</i> L.). <i>Environmental and Experimental Botany</i> , 2022, 201, 104973.	2.0	2
4420	Physiological and Proteomic Analysis Responsive Mechanisms for Salt Stress in Oat. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
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4425	<i>Arabidopsis Toxicos en Levadura 12</i> Modulates Salt Stress and ABA Responses in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7290.	1.8	10
4427	Progress and Applications of Plant Growth-Promoting Bacteria in Salt Tolerance of Crops. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7036.	1.8	19
4428	Molecular Mechanisms of Plant Responses to Salt Stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	26
4429	Zinc Oxide Nanoparticles Improve Salt Tolerance in Rice Seedlings by Improving Physiological and Biochemical Indices. <i>Agriculture (Switzerland)</i> , 2022, 12, 1014.	1.4	27
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4431	Identification and Characterization of the Core Region of ZmDi19-5 Promoter Activity and Its Upstream Regulatory Proteins. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7390.	1.8	0
4432	Abscisic acid-dependent <i>PMT1</i> expression regulates salt tolerance by alleviating abscisic acid-mediated reactive oxygen species production in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1803-1820.	4.1	4
4433	Rice and <i>Arabidopsis</i> BBX proteins: toward genetic engineering of abiotic stress resistant crops. <i>3 Biotech</i> , 2022, 12, .	1.1	1
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4435	Cap-binding complex assists RNA polymerase II transcription in plant salt stress response. <i>Plant, Cell and Environment</i> , 2022, 45, 2780-2793.	2.8	13
4436	The <i>Arabidopsis</i> <i>IDD14</i> transcription factor interacts with <i>bZIP</i> -type <i>ABFs</i> / <i>AREBs</i> and cooperatively regulates <i>ABA</i> -mediated drought tolerance. <i>New Phytologist</i> , 2022, 236, 929-942.	3.5	13
4437	Comparative Analysis of Salt Responsive MicroRNAs in Two Sweetpotato [<i>Ipomoea batatas</i> (L.) Lam.] Cultivars With Different Salt Stress Resistance. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
4438	Physiological and Molecular Adaptation of Sugarcane under Drought vis-a-vis Root System Traits. , 0, , .		2
4439	Physiological Measurements and Transcriptome Survey Reveal How Semi-mangrove <i>Clerodendrum inerme</i> Tolerates Saline Adversity. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
4440	Auxin response factor gene <i>MdARF2</i> is involved in ABA signaling and salt stress response in apple. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2264-2274.	1.7	5
4441	Overexpression of a cotton nonspecific lipid transfer protein gene, <i>GhLTP4</i> , enhances drought tolerance by remodeling lipid profiles, regulating abscisic acid homeostasis and improving tricarboxylic acid cycle in cotton. <i>Environmental and Experimental Botany</i> , 2022, 201, 104991.	2.0	8
4442	5-Aminolevulinic acid-induced salt tolerance in strawberry (cv. ‘Benihoppe’): Possible role of nitric oxide on interception of salt ions in roots. <i>Scientia Horticulturae</i> , 2022, 304, 111294.	1.7	4

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4445	Phytochemical composition, cytotoxicity, antioxidant and antimicrobial responses of <i>Lavandula dentata</i> L. grown under different levels of heavy metals stress condition. <i>Drug and Chemical Toxicology</i> , 2023, 46, 864-878.	1.2	4
4446	SISNAT2, a chloroplast-localized acetyltransferase, is involved in Rubisco lysine acetylation and negatively regulates drought stress tolerance in tomato. <i>Environmental and Experimental Botany</i> , 2022, 201, 105003.	2.0	8
4447	Overexpression of a sugarcane ScCaM gene negatively regulates salinity and drought stress responses in transgenic <i>Arabidopsis thaliana</i> . <i>Biocell</i> , 2022, .	0.4	0
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4449	Genomewide identification and analysis of the OSCA gene family in barley (<i>Hordeum vulgare</i> L.). <i>Journal of Genetics</i> , 2022, 101, .	0.4	1
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4451	Exogenous Melatonin Improves Seed Germination of Wheat (<i>Triticum aestivum</i> L.) under Salt Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8436.	1.8	24
4452	Drought-Induced Oxidative Stress in Pearl Millet (<i>Cenchrus americanus</i> L.) at Seedling Stage: Survival Mechanisms through Alteration of Morphophysiological and Antioxidants Activity. <i>Life</i> , 2022, 12, 1171.	1.1	19
4453	Three strategies of transgenic manipulation for crop improvement. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
4454	<i>Actinomucor elegans</i> and <i>Podospira bulbillosa</i> Positively Improves Endurance to Water Deficit and Salinity Stresses in Tomato Plants. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 785.	1.5	7
4455	OsSIDP301, a Member of the DUF1644 Family, Negatively Regulates Salt Stress and Grain Size in Rice. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
4456	Saline-alkali stress tolerance is enhanced by MhPR1 in <i>Malus halliana</i> leaves as shown by transcriptomic analyses. <i>Planta</i> , 2022, 256, .	1.6	4
4457	OsMas1, a novel maspardin protein gene, confers tolerance to salt and drought stresses by regulating ABA signaling in rice. <i>Journal of Integrative Agriculture</i> , 2023, 22, 341-359.	1.7	9
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4471	Comprehensive functional analysis of the PYL-PP2C-SnRK2s family in <i>Bletilla striata</i> reveals that BsPP2C22 and BsPP2C38 interact with BsPYLs and BsSnRK2s in response to multiple abiotic stresses. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
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4484	A novel ABA-insensitive mutant in <i>Arabidopsis</i> reveals molecular network of ABA-induced anthocyanin accumulation and abiotic stress tolerance. <i>Journal of Plant Physiology</i> , 2022, 278, 153810.	1.6	9

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4582	Identification and Characterization of AP2/ERF Transcription Factors in Yellow Horn. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14991.	1.8	3
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4600	Genome-wide identification and stress response analysis of cyclophilin gene family in apple (<i>Malus</i> Å—) Tj ETQq1 1 0,784314 4µgBT /Over 1,2		
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4620	Genome-wide analysis of the 6B-INTERACTING PROTEIN1 gene family with functional characterization of MdSIP1-2 in <i>Malus domestica</i> . <i>Plant Physiology and Biochemistry</i> , 2023, 195, 89-100.	2.8	4
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4626	Molecular insights into stress-responsive genes in the mitigation of environmental stresses. , 2023, , 87-117.		0
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4628	Functions and interaction of plant lipid signalling under abiotic stresses. <i>Plant Biology</i> , 2023, 25, 361-378.	1.8	8
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4630	Rice DST transcription factor negatively regulates heat tolerance through ROS-mediated stomatal movement and heat-responsive gene expression. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
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4634	Ethionine-mitigation of drought stress associated with changes in root viability, antioxidant defense, osmotic adjustment, and endogenous hormones in tall fescue. <i>Plant Growth Regulation</i> , 2023, 100, 119-132.	1.8	5
4635	SbNAC9 Improves Drought Tolerance by Enhancing Scavenging Ability of Reactive Oxygen Species and Activating Stress-Responsive Genes of Sorghum. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2401.	1.8	9
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4638	Genetics and Genomics of Drought and Heat Tolerance in Cowpea, Mung Bean and Black Gram. , 2023, , 203-233.		0
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4643	Mutation Breeding in Date Palm (<i>Phoenix dactylifera</i> L.). , 2023, , 735-778.		0
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4653	SUMO protease GmOTSa positively regulates drought tolerance in transgenic tobacco and soybean hairy roots. <i>Environmental and Experimental Botany</i> , 2023, 210, 105329.	2.0	1
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4663	Screening and Verification of Reference Genes for Analysis of Gene Expression in Garlic (<i>Allium Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66</i>)	1.6	6
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4712	Receptor-Like Cytoplasmic Kinase STK Confers Salt Tolerance in Rice. <i>Rice</i> , 2023, 16, .	1.7	0
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4759	Mutagenesis in Somatic Cell and Tissue. , 2023, , 137-150.		0
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4802	Light signaling as cellular integrator of multiple environmental cues in plants. <i>Physiology and Molecular Biology of Plants</i> , 2023, 29, 1485-1503.	1.4	0
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4812	Plant breeding for harmony between sustainable agriculture, the environment, and global food security: an era of genomicsâ€assisted breeding. <i>Planta</i> , 2023, 258, .	1.6	5
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4822	Genetic Fidelity Assessment of Micropropagated Woody Plants Through Molecular Analysis. , 2023, , 151-179.		0
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4904	Plant growth coordination during stress conditions: Role of phytohormones. , 2024, , 249-275.		0
4905	Root-colonizing endophytes as biostimulants: context, mechanisms of actions, and their potential use for ensuring agricultural sustainability. , 2024, , 331-374.		0
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4916	Salinity Stress in Pearl Millet: From Physiological to Molecular Responses. , 2024, , 361-394.		0
4918	Physiological and Molecular Bases of Drought and Heat Tolerance in Pearl Millet. , 2024, , 247-278.		0
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4933	Regulatory role of strigolactones in abiotic stress tolerance. , 2024, , 201-220.		0
4934	Regulatory role of strigolactones in biotic stress tolerance. , 2024, , 189-200.		0
4935	Lentil breeding. , 2024, , 43-92.		0
4942	Chemistry and properties of Physalis peruviana roots. , 2024, , 191-197.		0
4943	Conventional and Advance Breeding Approaches for Developing Abiotic Stress Tolerant Maize. , 2024, , 281-302.		0